

# Arizona State University

Academic Catalog Archive

2019-2020



This document provides an archival record of the academic programs offered during the 2019-2020 academic year. It is a printable option of the online catalog for accreditation organizations, agencies and university offices for data collection, evaluation purposes and referencing. The information and links presented in this archive may no longer be accurate. For current catalog information, refer to the online version of the academic catalog.

Corrections or additions to the Academic Catalog Archive 2019-2020 program information and major maps, as of August 2019, may be provided in a future addendum. For inquiries or questions, please contact [academic.catalog@asu.edu](mailto:academic.catalog@asu.edu).

## **About this Document**

To navigate this version of the Academic Catalog 2019-2020 refer to the table of contents and the bookmarks provided. The table of contents provides a hyperlinked listing of resources in the order in which they appear in this document. Keyword searches may be employed as an additional means of locating resources within this document.

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



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# Our Approach: ASU Mission and Goals

## ASU Charter

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

ASU Charter Video [1] on Youtube.

## Mission & Goals

### Demonstrate leadership in academic excellence and accessibility

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

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

Improve freshmen persistence to **greater than 90 percent**.

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

Enhance quality while reducing the cost of a degree.

Enroll **100,000** online and distance-education degree-seeking students.

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

Engage all learners on all levels.

### Establish ASU as a leading global center for interdisciplinary research, discovery and development by 2025

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

Enhance research competitiveness to more than **\$815 million** in annual research expenditures.

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

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

### Enhance our local impact and social embeddedness

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

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

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

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

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

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

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

## **A New American University**

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

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

Learn more [2]

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

### **Leverage Our Place**

ASU embraces its culture, socioeconomic and physical setting.

### **Enable Student Success**

ASU is committed to the success of each unique student.

### **Transform Society**

ASU catalyzes social change by being connected to social needs.

### **Fuse Intellectual Disciplines**

ASU creates knowledge by transcending academic disciplines

### **Value Entrepreneurship**

ASU uses its knowledge and encourages innovation.

### **Be Socially Embedded**

ASU connects with communities through mutually beneficial partnerships.

### **Conduct Use-Inspired Research**

ASU research has purpose and impact.

### **Engage Globally**

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

## Download ASU Charter

- English (PDF) [3]
- Spanish (PDF) [4]
- Arabic (PDF) [5]

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

### Links:

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

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

[3] [https://president.asu.edu/sites/default/files/asu\\_charter\\_jan\\_2019\\_web\\_0.pdf](https://president.asu.edu/sites/default/files/asu_charter_jan_2019_web_0.pdf)

[4] [https://president.asu.edu/sites/default/files/asu\\_charter\\_jan\\_2019\\_spanish.pdf](https://president.asu.edu/sites/default/files/asu_charter_jan_2019_spanish.pdf)

[5] [https://president.asu.edu/sites/default/files/asu\\_charter\\_jan\\_2019\\_arabic.pdf](https://president.asu.edu/sites/default/files/asu_charter_jan_2019_arabic.pdf)

# Diversity

## Diversity Philosophy

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

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

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

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

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

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

## Diversity Initiatives at ASU

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

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

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

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

### Links:

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

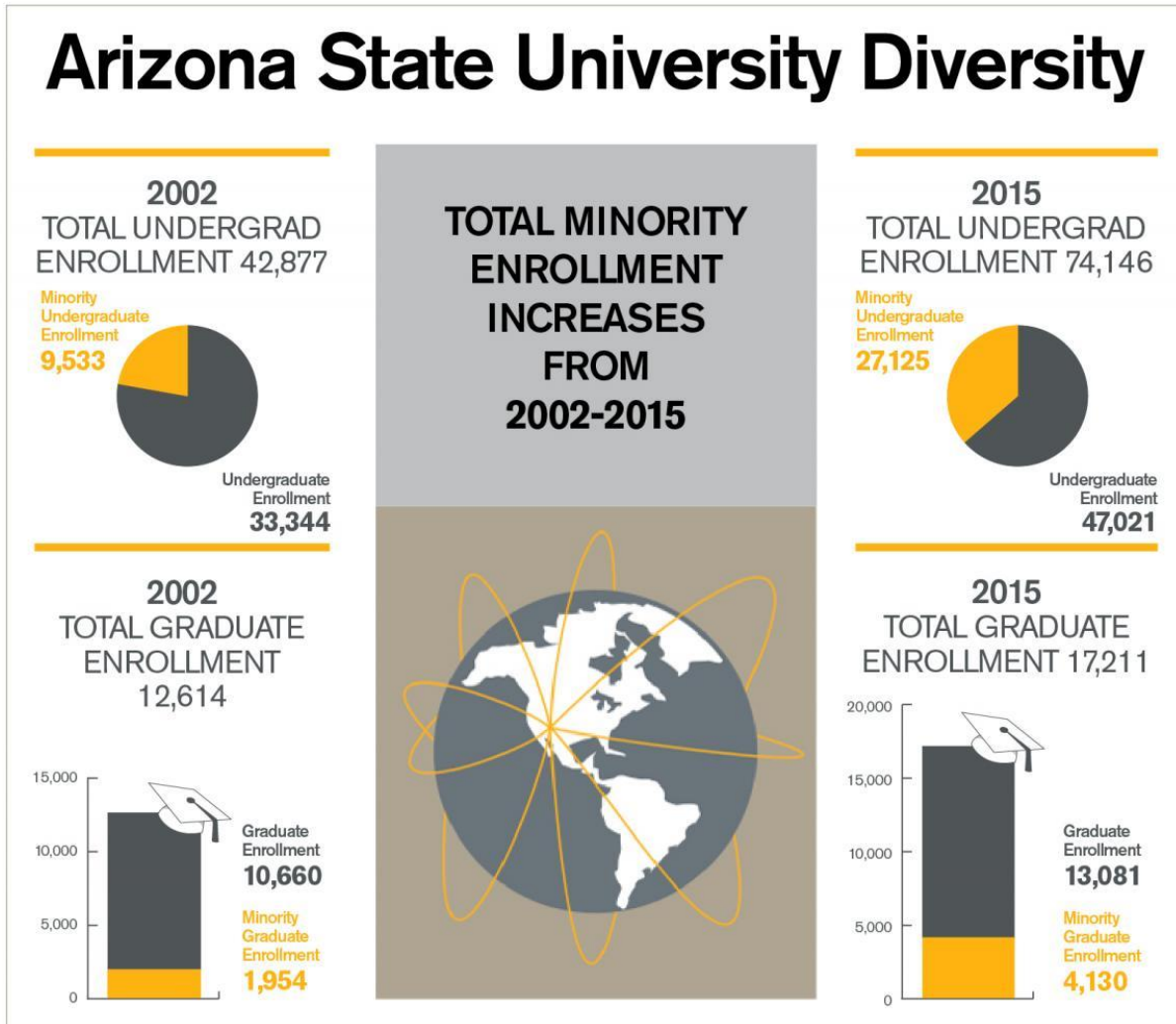
[2] <https://provost.asu.edu/initiatives/southwest-borderlands>

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

## Facts about ASU

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

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



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

### Links:

[1] <https://www.asu.edu/facts/#/>

[2] <https://www.asu.edu/about/faculty-excellence>

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

# Academic Accreditation

## University Program Review and Accreditation Office

### Academic program are fully accredited

All Arizona State University academic programs are fully accredited by the Higher Learning Commission. The institution has been continuously accredited by the Higher Learning Commission since 1931.

This accreditation is reviewed for reaffirmation every ten years, with the next review in 2022-23. The official letter from the Higher Learning Commission communicating the status of ASU's accreditation is available for public viewing: Higher Learning Commission Letter [1].

A number of programs also have specialized accreditations [2] by professional and national accrediting agencies.

### Purpose of accreditation

Accreditation serves as public recognition that an institution has met accepted standards of quality and demonstrates an ongoing commitment to self-study and external peer review. Maintaining accreditation affirms that quality standards are being met and that the excellence of an ASU education is continually enhanced.

ASU is on the HLC Open Pathway [3], a process that includes a number of components over a ten-year cycle. ASU will prepare an evidence-based assurance argument that is the basis for reaffirmation of accreditation in the tenth year of the cycle, 2022-23. You can view the ten-year cycle here [4]. The components of the comprehensive evaluation in the Open Pathway include:

1. Regular monitoring and compliance
2. Assurance review [5] (Year 4, 2016-17)  
ASU Assurance Review has been approved [6] without concern by the HLC
3. Quality initiative project [7] (Years 5-9, 2018-2022)
4. Comprehensive evaluation [8] (Year 10, 2023)

The reaffirmation process will culminate in a site visit (2022-23) by a team of HLC peer reviewers made up of faculty and staff from other universities with similar missions.

### Criteria for accreditation

Institutions are accredited based on demonstration that they meet the criteria for accreditation [9] and the assumed practices [10].

#### *Criterion 1: Mission*

The institution's mission is clear and articulated publicly; it guides the institution's operations.

#### *Criterion 2: Integrity, ethical and responsible conduct*

The institution acts with integrity; its conduct is ethical and responsible.

#### *Criterion 3: Teaching and learning: quality, resources and support*

The institution provides high quality education, wherever and however its offerings are delivered.

#### *Criterion 4: Teaching and learning: evaluation and improvement*

The institution demonstrates responsibility for the quality of its educational programs, learning environments, and support services, and it evaluates their effectiveness for student learning through processes designed to promote continuous improvement.



## **Criterion 5: Resources, planning and institutional effectiveness**

The institution's resources, structures, and processes are sufficient to fulfill its mission, improve the quality of its educational offerings, and respond to future challenges and opportunities. The institution plans for the future.

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

### **Links:**

[1] <https://provost.asu.edu/sites/default/files/page/2437/arizonastateuniversitypeaqreaffirmationactionletter9-24-13.pdf>

[2] <https://provost.asu.edu/accreditation/specialized-accreditation>

[3] <https://www.hlcommission.org/Accreditation/open-overview.html>

[4] <https://www.hlcommission.org/Accreditation/open-pathway-cycle.html>

[5] <https://www.hlcommission.org/Accreditation/assurance-review.html>

[6] <https://www.hlcommission.org/component/directory/?Action=ShowBasic&Itemid=&instid=1002>

[7] <https://www.hlcommission.org/Accreditation/quality-initiative.html>

[8] <https://www.hlcommission.org/Accreditation/comprehensive-evaluation.html>

[9] <http://www.hlcommission.org/Policies/criteria-and-core-components.html>

[10] <http://www.hlcommission.org/Policies/assumed-practices.html>

## **Functions of the University Program Review and Accreditation Office**

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

The UPRA monitors institutional compliance with HLC requirements and coordinates the institutional evaluation for continuing accreditation by the HLC every ten years. The UPRA also facilitates HLC approval of program and/or institutional changes where required. As a program prepares for accreditation, it is encouraged to visit the Higher Learning Commission website [1] to find information about HLC standards and procedures for accreditation.

### **Professional accreditation oversight**

The UPRA works closely with academic units and programs that seek new accreditation or seek re-accreditation. This oversight includes:

1. Coordination of site visitors schedule and university administrators. All programs are asked to coordinate the site visitors schedules/itinerary with the UPRA – this to insure that appropriate university administrators will be available at the time of the site visit.
2. Review of self-study draft. The UPRA will conduct a review of the self-study draft to assure a self-study that meets the accreditation criteria and guidelines and addresses any problems from previous accreditation and other issues that may be present. A written report will be returned to the program with recommendations and edits.
3. Briefing paper. The UPRA will review the briefing paper draft (prepared by the program) and submit recommendations and edits before the final paper is distributed to university administrators and other appropriate officials. The briefing paper is an in-house confidential resource and not shared with the site visitors.
4. The site visit report and response to the report. The UPRA will review the site visit report and the program's draft response, looking for accuracy, completeness, and tone. Based on this review, written recommendations for the program response will be made.
5. Accreditation Status Letter. The original letter is held in the UPRA as part of the accreditation permanent records. The UPRA will send copies of this letter to the program and supervising administrator. The UPRA will enter the date of the next accreditation review into the university calendar, which is maintained, by this office.

**Note: Repository for all accreditation documents.**

All programs are asked to provide copies of all accreditation records, reports and other documentation to the UPRA, as they become available. Records will be held in the UPRA until sent to University Archives.

## **Academic program review oversight**

The Arizona Board of Regents (2-208) requires Academic Program Reviews [2] at least once every seven years. Periodic program reviews provide a mechanism for faculty to evaluate the effectiveness, progress and status of their academic programs on a continuous basis.

At Arizona State University, the Executive Director for Accreditation and Program Review serves as the University Program Review/Accreditation Officer and is responsible for oversight of program reviews. The Office of the University Provost coordinates the Academic Program Review process, which covers all program inventory of an academic unit including undergraduate and graduate programs as well as other curricular offerings such as certificates.

## **Centers and institutes oversight**

Arizona State University is home to various centers and institutes that blend the passions of exceptional teachers and scholars across disciplines. University Program Review/Accreditation Office provides oversight for these centers and institutes. For a complete list, please visit Centers and Institutes [3].

For questions or updates to the centers and institutes, please contact [centers-institutes@asu.edu](mailto:centers-institutes@asu.edu) [4].

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

**Links:**

[1] <https://www.hlcommission.org/>

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

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

[4] <mailto:centers-institutes@asu.edu>

October 3, 2013

President Michael M. Crow  
Arizona State University  
PO Box 2203  
Tempe, AZ 85287-2203

Dear President Crow:

This letter is formal notification of the action taken concerning Arizona State University by the Higher Learning Commission. At its meeting on September 24, 2013, the Institutional Actions Council (IAC) acted on the items below. This letter serves as the official record of this action, and the date of this action constitutes the effective date of your new status with the Commission.

**Action.** IAC continued the accreditation of Arizona State University with the next Reaffirmation of Accreditation in 2022-23.

If the current Commission action includes changes to your institution's *Statement of Affiliation Status (SAS)* or *Organizational Profile (OP)*, the changes will appear in these documents within three weeks of the date of action. The *SAS* is a summary of your institution's ongoing relationship with the Commission. The *OP* is generated from data you provided in your most recent Institutional Update.

The Commission posts the SAS, OP and this action letter with the institution's directory listing on its website. Information for institutions on notifying the public of this action is available at <http://ncahlc.org/Information-for-Institutions/institutional-reporting-of-actions.html>.

If you have questions about these documents after viewing them, please contact Susan Devine. On behalf of the Board of Trustees, I thank you and your associates for your cooperation.

Sincerely,



Sylvia Manning  
President

## Programs with Specialized Accreditation

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

### College of Health Solutions

#### Accredited programs

Nutrition (didactic program in dietetics)  
Nutrition (dietetic Internship)

#### Accrediting agencies

Accreditation Council for Education in Nutrition and Dietetics (ACEND)

Last Accreditation: 2011-12  
Next Accreditation: 2017-18 (in process)

MS, Communication Disorders  
AuD, Audiology

American Speech-Language-Hearing Association (ASHA)

Last Accreditation: 2011-12  
Next Accreditation 2018-19

### College of Integrative Sciences and Arts

#### Accredited programs

PhD in Counseling Psychology

#### Accrediting agencies

American Psychology Association (APA)

Last Accreditation: 2013-14  
Next Accreditation: 2019-20

### The College of Liberal Arts and Sciences

#### *Department of Psychology*

#### Accredited programs

PhD, Psychology (with concentration in Clinical Psychology)

#### Accrediting agencies

American Psychology Association (APA)

Last Accreditation: 2015-16  
Next Accreditation: 2020-21

#### *School of Geographical Sciences and Urban Planning*

#### Accredited programs

MUEP, Urban and Environmental Planning

#### Accrediting agencies

Planning Accreditation Board (PAB)

Last Accreditation: 2017-18  
Next Accreditation: 2022-23

## Edson College of Nursing and Health Innovation

### Accredited programs

### Accrediting agencies

PhD, BSN, MS, Nursing;  
Master of Healthcare Innovation

Arizona State Board of Nursing/Commission of Collegiate  
Nursing Education (CCNE)

Last Accreditation: 2013-14  
Next Accreditation: 2022-23

BAS, Medical Laboratory Science

National Accrediting Agency for Clinical Laboratory  
Sciences (NAACLS)

Last Accreditation: 2012-13  
Next Accreditation: 2017-18 (in process)

## Watts College of Public Service and Community Solutions

### *School of Community Resources and Development*

### Accredited programs

### Accrediting agencies

BS, Parks and Recreation Management

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

Last Accreditation: 2013-14  
Next Accreditation: 2020-21

### *School of Public Affairs*

### Accredited programs

### Accrediting agencies

MPA, Public Administration

National Association of Schools of Public Affairs and  
Administration (NASPAA)

Last Accreditation: 2017-18  
Next Accreditation: 2023-24

### *School of Social Work*

### Accredited programs

### Accrediting agencies

BSW, MSW Social Work

Council of Social Work Education (CSWE)

Last Accreditation: 2015-16  
Next Accreditation: 2023-24

## Herberger Institute for Design and the Arts

### *The Design School*

#### Accredited programs

BSD, Interior Design

BSD, Graphic Design, Industrial Design  
MSD, Design (with concentrations in Industrial Design,  
Interior Design and Visual Communication)  
PhD Environmental Design and Planning

#### Accrediting agencies

Council for Interior Design Accreditation (CIDA)

Last Accreditation: 2014-15  
Next Accreditation: 2020-21

National Association of Schools of Art and Design  
(NASAD)

Last Accreditation: 2012-13  
Next Accreditation: 2017-18 (in process)

### *School of Architecture and Landscape Architecture*

#### Accredited programs

MLA, BSLA, Landscape Architecture

MArch, Architecture

#### Accrediting agencies

Landscape Architectural Accreditation Board (LAAB)

Last Accreditation: 2014-15  
Next Accreditation:

National Architectural Accrediting Board (NAAB)

Last Accreditation: 2011-12  
Next Accreditation: 2017-18 (in process)

### *School of Music*

#### Accredited programs

BMus in: Collaborative Piano; Composition; Jazz  
Performance; Music Education; Music Therapy; Musical  
Theatre; Performance; and Theory  
MA in: Ethnomusicology; Music History and Literature  
MM in: Collaborative Piano; Composition; Conducting;  
Music Education; Musical Theatre; Performance;  
Performance Pedagogy; Music Therapy  
DMA in: Composition; Conducting; Performance  
PhD in Music Education  
DMA in Music (Interdisciplinary Digital Media)

#### Accrediting agencies

National Association of Schools of Music (NASM)

Last Accreditation: 2015-16  
Next Accreditation: 2024-25

## Ira A. Fulton Schools of Engineering

### Accredited programs

### Accrediting agencies

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BS, Computer Science

Computing Accreditation Commission (CAC) of ABET

Last Accreditation: 2016-17

Next Accreditation: 2021-22

BS, Construction

American Council for Construction Education (ACCE)

Last Accreditation: 2014-15

Next Accreditation: 2020-21

BS, Aeronautical Management Technology - Professional Flight

Aviation Accreditation Board International (AABI)

BS, Aeronautical Management Technology - Air Transportation Management

Last Accreditation: 2014-15

Next Accreditation: 2018-19

BS, Air Traffic Management

BSE, Aerospace Engineering

Engineering Accreditation Commission of ABET

BSE, Biomedical Engineering

BSE, Chemical Engineering

Last Accreditation: 2015-16

BSE, Civil Engineering

Next Accreditation:

BSE, Computer Systems Engineering

BSE, Electrical Engineering

BSE, Engineering

BSE, Industrial Engineering

BSE, Materials Science and Engineering

BSE, Mechanical Engineering

BSE, Engineering

Engineering Accreditation Commission (EAC)

(Polytechnic campus)

Last Accreditation: 2015-16

Next Accreditation:

## Mary Lou Fulton Teachers College

### Accredited programs

### Accrediting agencies

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PhD, Educational Psychology (with a concentration in School Psychology)

American Psychological Association (APA)

Last Accreditation: 2009-10

Next Accreditation: 2017-18 (in process)

## Sandra Day O'Connor College of Law

### Accredited programs

JD, Law

### Accrediting agencies

American Bar Association (ABA)

Last Accreditation: 2013-14

Next Accreditation:

## W. P. Carey School of Business

### Accredited programs

BA, Business

BS, Business Data Analytics

BS, Business Entrepreneurship

BS, Computer Information System

BS, Economics

BS, Finance

BS, Management

BS, Marketing

BS, Supply Chain Management

MS, Business Administration

MRED, Real Estate Development

MS, Business Analytics

MS, Finance

MS, Global Logistics

MS, Information Management

MS, Management

PhD, Business Administration

PhD, Philosophy in Business Administration

PhD, Philosophy in Economics

### Accrediting agencies

The Association to Advance Collegiate Schools of Business (AACSB International)

Last Accreditation: 2013-14

Next Accreditation: 2018-19

## School of Accountancy

### Accredited programs

BS, Accountancy

MA, Accountancy, Taxation

PhD, Business Administration (w/concentration in Accountancy)

PhD, Philosophy in Economics

### Accrediting agencies

The Association to Advance Collegiate Schools of Business (AACSB International)

Last Accreditation: 2013-14

Next Accreditation: 2018-19



## Walter Cronkite School of Journalism and Mass Communication

### Accredited programs

### Accrediting agencies

BA Journalism and Mass Communication

BA in Sports Journalism

BA in Journalism and Mass Communication with BS in Graphic Information Technology

BA in Journalism and Mass Communication with BA in Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture)

BA in Journalism and Mass Communication with BA in Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health)

BA in Journalism and Mass Communication with BA in Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy)

BA Journalism and Mass Communication with MA in Mass Communication (MMC)

MA Mass Communication (MMC)

MA Sports Journalism

MA Mass Communication (MMC) and Legal Studies (MLS)

MA Mass Communication (MMC) and Sustainability Solutions (MSUS)

PhD Journalism and Mass Communication

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

Last Accreditation: 2016-17

Next Accreditation: 2022-23

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

# Academic Organizations 2019-2020

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## Academic Organizations 2019-2020

**\*Effective May 1, 2019**

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

### **Barrett, the Honors College**

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

Accountancy, School of

Agribusiness, Morrison School of

Economics, Department of

Finance, Department of

Information Systems, Department of

Management and Entrepreneurship, Department of

Marketing, Department of

Supply Chain Management, Department of

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

Art, School of

Arts, Media and Engineering, School of

Design School, The

Film, Dance and Theatre, School of

Music, School of

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

Biological and Health Systems Engineering, School of

Computing, Informatics and Decision Systems  
Engineering, School of

Electrical, Computer and Energy Engineering, School of  
Engineering of Matter, Transport and Energy, School for  
Polytechnic School, The

Sustainable Engineering and the Built Environment,  
School of

#### **Future of Innovation in Society, School for the**

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

#### **Graduate College**

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

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

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

Humanities, Arts and Cultural Studies, School of

Mathematical and Natural Sciences, School of

Social and Behavioral Sciences, School of

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

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

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

Aerospace Studies, Department of

American Indian Studies Program

Civic and Economic Thought and Leadership, School of

Earth and Space Exploration, School of

English, Department of

Geographical Sciences and Urban Planning, School of

Historical, Philosophical and Religious Studies, School  
of

Human Communication, Hugh Downs School of

Human Evolution and Social Change, School of

International Letters and Cultures, School of

Life Sciences, School of

Mathematical and Statistical Sciences, School of

Military Science, Department of

Molecular Sciences, School of

Naval Science, Department of

Physics, Department of

Politics and Global Studies, School of

Psychology, Department of  
Social and Family Dynamics, T. Denny Sanford School  
of  
Social Transformation, School of  
Transborder Studies, School of

**Nursing and Health Innovation, Edson College of**

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

Community Resources and Development, School of

Criminology and Criminal Justice, School of  
Public Affairs, School of  
Social Work, School of

**Sustainability, School of**

**Teachers College, Mary Lou Fulton**

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

**University College**

## Locations of Record

For the 2019-2020 academic year, Arizona State University offered degree-granting programs at the following locations.

### **Downtown Phoenix Campus**

Phoenix, AZ 85004

### **ASU@Pinal**

Casa Grande, AZ 85122

### **Polytechnic Campus**

Mesa, AZ 85212

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

Thatcher, AZ 85552

### **Tempe Campus**

Tempe, AZ 85287

### **ASU@Yavapai**

Prescott Valley, AZ 86314

### **West Campus**

Glendale, AZ 85306

### **ASU@Yuma**

Yuma, AZ 85365

### **ASU@Cochise**

Sierra Vista, AZ 85635

### **ASU Online**

An online campus

### **ASU@Lake Havasu**

Lake Havasu, AZ 86403

### **Tucson**

Tucson, AZ 85745

### **ASU@Pima**

Tucson, AZ 85745

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

Washington, D.C. 20006

# Academic Calendar

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

**Fall/Spring Session A:** first 7.5-week session


**Fall/Spring Session B:** second 7.5-week session

**Fall/Spring Session C:** full semester (15 weeks plus final exams)

**Summer Session A:** first 6-week session

**Summer Session B:** second 6-week session

**Summer Session C:** 8-week session

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

## Fall 2019

**Session A:** Thursday, 8/22/2019 – Friday, 10/11/2019

**Session B:** Wednesday, 10/16/2019 – Friday, 12/6/2019

**Session C:** Thursday, 8/22/2019 – Friday, 12/6/2019 (Final exams 12/9/2019 – 12/14/2019)

Schedule of Classes Available [2]	February 18, 2019		
Registration and Tuition Guide Available [12]	February 18, 2019		
Registration Dates Begin [3]	February 21, 2019		
\$50.00 Late Registration Fee Begins [4] (does not apply to ASU Online students)	Session A August 14, 2019	Session B October 8, 2019	Session C August 14, 2019
<b>Tuition Fee Payment Deadline</b> – For registration through 8/18/2019. For more information see Tuition and Deadlines [10]	August 25, 2019		
<b>Classes Begin</b>	Session A <b>August 22, 2019</b>	Session B <b>October 16, 2019</b>	Session C <b>August 22, 2019</b>
Academic Status Reports [13] – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in My ASU within 24 hours after each weekly reporting period closes on Sunday.	Session A Aug 22 - Sept 29, 2019	Session B Oct 16 - Nov 24, 2019	Session C Aug 22 - Nov 24, 2019
Extended Hours (Registration Sites Only)	TBD		
Last Day to Register or Drop/Add Without College Approval [5]	Session A August 23, 2019	Session B October 17, 2019	Session C August 28, 2019
Residency Classification Petition Deadline [6]	August 28, 2019		
Labor Day Observed	September 2, 2019		

<b>Classes excused/University closed</b>			
<b>Tuition &amp; Fees 100% Refund Deadline</b> - For more information see Tuition and Refund Policy. [7] <b>Note:</b> If you choose to drop a class [8] or withdraw from ASU [9] after this deadline, you may receive a bill for the financial aid used to cover those classes.	Session A August 28, 2019	Session B October 22, 2019	Session C September 4, 2019
University 21st Day	Session A September 11, 2019	Session B November 5, 2019	Session C September 11, 2019
<b>Tuition Fee Payment Deadline</b> – For registration from 8/19/2019 to 9/18/19. For more information see Tuition and Deadlines [10]	September 25, 2019		
Deadline to Apply for Graduation [14]	October 1, 2019		
University 45th Day	October 5, 2019		
Fall Break <b>Classes excused/University open</b>	October 12 - 15, 2019		
<b>Tuition Fee Payment Deadline</b> – For registration from 9/19/2019 to 10/25/19. For more information see Tuition and Deadlines [10]	October 25, 2019		
Course Withdrawal Deadline [5]	Session A September 11, 2019	Session B November 5, 2019	Session C November 6, 2019
Veterans Day Observed <b>Classes excused/University closed</b>	November 11, 2019		
Thanksgiving Holiday Observed <b>Classes excused/University closed</b>	November 28 - 29, 2019		
Complete Session Withdrawal Deadline [11] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here. [15]	Session A October 11, 2019	Session B December 6, 2019	Session C December 6, 2019
Classes End/ Last Day to Process Transactions	Session A October 11, 2019	Session B December 6, 2019	Session C December 6, 2019
Study Days	Session A N/A	Session B N/A	Session C December 7 - 8, 2019
Final Exams [16]	Session A Last day of classes	Session B Last day of classes	Session C December 9 - 14, 2019

Final Grades Due	Session A October 14, 2019	Session B December 9 - 16, 2019	Session C December 9 - 16, 2019
Commencement [17] - (Graduate and Undergraduate)	December 16, 2019		
Degree Conferral Date	December 16, 2019		
Grade Replacement/Academic Standing Processing	December 17 - 18, 2019		
Holiday Break <b>Classes excused/University closed</b>	December 24-25, 2019		

## Spring 2020

**Session A:** Monday, 1/13/2020 – Tuesday, 3/3/2020

**Session B:** Monday, 3/16/2020 – Friday, 5/1/2020 (ASU Online and iCourses may end on Tuesday, 5/5/2020)

**Session C:** Monday, 1/13/2020 – Friday, 5/1/2020 (Final Exams 5/4/2020 – 5/9/2020)

Schedule of Classes Available [2]	September 23, 2019		
Registration and Tuition Guide Available [12]	September 23, 2019		
Registration Dates Begin [3]	ASU Online students: September 30, 2019 (tentative) In-Person students: October 21, 2019 (tentative)		
\$50.00 Late Registration Fee Begins [4] (does not apply to ASU Online students)	Session A January 5, 2020	Session B March 8, 2020	Session C January 5, 2020
<b>Tuition Fee Payment Deadline</b> - for registration through 1/18/2020. For more information see Tuition and Deadlines [10]	January 25, 2020		
<b>Classes Begin</b>	<b>Session A</b> January 13, 2020	<b>Session B</b> March 16, 2020	<b>Session C</b> January 13, 2020
Academic Status Reports [13] – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in My ASU within 24 hours after each weekly reporting period closes on Sundays	Session A January 13 - February 23, 2020	Session B March 16 - April 26, 2020	Session C January 13 - April 26, 2020
Last Day to Register or Drop/Add Without College Approval [5]	Session A January 14, 2020	Session B March 17, 2020	Session C January 19, 2020
Residency Classification Petition Deadline [6]	January 17, 2020		

<b>Tuition &amp; Fees 100% Refund Deadline</b> - For more information see Tuition and Refund Policy. [7] <b>Note:</b> If you choose to drop a class [8] or withdraw from ASU [9] after this deadline, you may receive a bill for the financial aid used to cover those classes.	Session A January 19, 2020	Session B March 22, 2020	Session C January 26, 2020
Martin Luther King Jr. Holiday Observed <b>Classes excused/University closed</b>	January 20, 2020		
University 21st Day	Session A February 3, 2020	Session B April 6, 2020	Session C February 3, 2020
<b>Tuition Fee Payment Deadline</b> – For registration from 1/19/2020 to 2/18/2020. For more information see Tuition and Deadlines [10]	February 25, 2020		
Deadline to Apply for Graduation	February 17, 2020		
University 45th Day	February 26, 2020		
Spring Break <b>Classes excused/University open</b>	March 8 - 15, 2020		
<b>Tuition Fee Payment Deadline</b> – For registration from 2/19/2020 to 3/18/2020. For more information see Tuition and Deadlines [10]	March 25, 2020		
Course Withdrawal Deadline [5]	Session A January 31, 2020	Session B April 3, 2020	Session C April 5, 2020
Complete Session Withdrawal Deadline [11] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here. [15]	Session A March 3, 2020	Session B May 1, 2020	Session C May 1, 2020
<b>Classes End/</b> Last Day to Process Transactions (Session B ASU Online & iCourses may end Tuesday, 5/5/2020)	Session A March 3, 2020	Session B May 1, 2020	Session C May 1, 2020
Study Days	Session A N/A	Session B N/A	Session C May 2-3, 2020
Final Exams [18]	Session A Last day of classes	Session B Last day of classes	Session C May 4-9, 2020

Final Grades Due	Session A March 6, 2020	Session B May 4-11, 2020	Session C May 4-11, 2020
Commencement [17] - (Graduate and Undergraduate)	May 11, 2020		
Degree Conferral Date	May 11, 2020		
Grade Replacement/Academic Standing Processing	May 12-13, 2020		

## Summer 2020

**Session A:** Monday, 5/18/2020 – Friday, 6/26/2020

**Session B:** Wednesday, 7/1/2020 – Tuesday, 8/11/2020

**Session C:** Monday, 5/18/2020 – Friday, 7/10/2020

Schedule of Classes Available [2]	February 4, 2020		
Registration Begins [3]	February 5, 2020		
Suggested Postmark to Meet Tuition Fee Payment Deadline	May 9, 2020		
<b>Tuition Fee Payment Deadline</b> - for registration through 5/18/2020. For more information see Tuition and Deadlines [10]	May 25, 2020		
\$50.00 Late Registration Fee Begins [4] (does not apply to ASU Online students)	Session A May 10, 2020	Session B June 23, 2020	Session C May 10, 2020
<b>Classes Begin</b>	<b>Session A May 18, 2020</b>	<b>Session B July 1, 2020</b>	<b>Session C May 18, 2020</b>
Academic Status Reports [13] – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in My ASU within 24 hours after each weekly reporting period closes on Sundays	Session A May 18 - June 21, 2020	Session B July 1 - August 2, 2020	Session C May 18 - August 2, 2020
Last Day to Register or Drop/Add Without College Approval [5]	Session A May 19, 2020	Session B July 2, 2020	Session C May 19, 2020
Residency Classification Petition Deadline [6]	May 19, 2020		
<b>Tuition &amp; Fees 100% Refund Deadline</b> - For more information see Tuition and Refund Policy. [7] <b>Note:</b> If you choose to drop a class [8] or withdraw from ASU [9] after this deadline, you may receive a bill for the financial aid used to cover those classes.	Session A May 22, 2020	Session B July 5, 2020	Session C May 22, 2020



Memorial Day Observed <b>Classes excused/University closed</b>	May 25, 2020		
Course Withdrawal Deadline [5]	Session A June 7, 2020	Session B July 21, 2020	Session C June 7, 2020
Deadline to Apply for Graduation	June 15, 2020		
<b>Tuition Fee Payment Deadline</b> - for registration from 5/19/2020 to 6/18/2020. For more information see Tuition and Deadlines [10]	June 25, 2020		
Independence Day Observed <b>Classes excused/University closed</b>	July 3, 2020		
<b>Tuition Fee Payment Deadline</b> - for registration from 6/19/2020 to 7/18/2020. For more information see Tuition and Deadlines [10]	July 25, 2020		
Complete Session Withdrawal Deadline [11]	Session A June 26, 2020	Session B August 11, 2020	Session C July 10, 2020
<b>Classes End/</b> Last Day to Process Transactions	Session A June 26, 2020	Session B August 11, 2020	Session C July 10, 2020
Final Grades Due	Session A June 28, 2020	Session B August 13, 2020	Session C July 12, 2020
Degree Conferral Date	August 11, 2020		
Grade Replacement/Academic Standing Processing	August 14, 2020		

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

**Links:**

- [1] <https://my.asu.edu>
- [2] <https://webapp4.asu.edu/catalog/>
- [3] <https://students.asu.edu/registration>
- [4] <https://students.asu.edu/tuitiondescriptions>
- [5] <https://students.asu.edu/drop-add>
- [6] <https://students.asu.edu/residency>
- [7] <http://students.asu.edu/tuitionrefundpolicy>
- [8] <http://students.asu.edu/policies/census>
- [9] <http://students.asu.edu/policies/fa-withdrawal>
- [10] <https://students.asu.edu/tuitiondeadlines>
- [11] <https://students.asu.edu/drop-add#comp%20wd>
- [12] <https://students.asu.edu/registration-tuitionpayment-guide>
- [13] <http://asu.force.com/kb/articles/FAQ/What-is-an-Academic-Status-Report>

- [14] <https://students.asu.edu/graduation>
- [15] <http://students.asu.edu/forms/withdrawal>
- [16] <https://students.asu.edu/final-exam-schedule#Fall%202019>
- [17] <http://graduation.asu.edu/>
- [18] <https://students.asu.edu/final-exam-schedule#Spring>
- [19] <https://students.asu.edu/taxonomy/term/244>

# Residency

## Residency for Tuition Purposes

In Arizona, tuition at publicly supported universities is lower for residents than non-residents. Residency classification is determined

for all students in accordance with guidelines provided by the Arizona Board of Regents' (ABOR) [1], which reflect current

Arizona revised statutes [2]. Refer to Non-Resident Tuition Rate for Arizona High School Graduates [3] for additional information.

### *Residency navigator*

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

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

### *Residency petition*

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

#### **Independent student**

##### **Eligibility**

You're considered an independent student if:

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

Read more about the specific requirements [4].

##### **Petition and required docs**

Independent student petition:

1. Review the residency requirements [4] and required documentation [5].
2. Submit your online petition [6] prior to the deadline [7].
3. Submit your required documentation [8], including your fee receipt.

##### **Deadlines**

Submit your petition prior to the semester deadline [7].

- You will not be able to access the online petition after the semester deadline, i.e. don't miss the deadline.
- Your residency classification can affect tuition, fees and financial aid – use the Academic Calendar [9] to find additional deadlines.

#### **Dependent student**

##### **Eligibility**

This 12-month exception applies to a dependent student if:

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

Read more about the specific requirements [4].

### **Petition and required docs**

Dependent student petition:

1. Review the residency requirements [4] and required documentation [10].
2. Submit your online petition [6] prior to the deadline [7].
3. Submit your required documentation [10], including your fee receipt.

### **Deadlines**

Submit your petition prior to the semester deadline [7].

- You will not be able to access the online petition after the semester deadline, i.e. don't miss the deadline.
- Your residency classification can affect tuition, fees and financial aid – use the Academic Calendar [9] to find additional deadlines.

## **Spouse**

### **Eligibility**

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

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

Read more about the specific requirements [4].

### **Petition and required docs**

Spouse petition:

1. Review the residency requirements [4] and required documentation [11].
2. Submit your online petition [6] prior to the deadline [7].
3. Submit your required documentation [11], including your fee receipt.

### **Deadlines**

Submit your petition prior to the semester deadline [7].

- You will not be able to access the online petition after the semester deadline, i.e. don't miss the deadline.
- Your residency classification can affect tuition, fees and financial aid – use the Academic Calendar [9] to find additional deadlines.

## **Transferred employee**

### **Eligibility**

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

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

Read more about the specific requirements [4].

### **Petition and required docs**

Transferred employee petition:

1. Review the residency requirements [4] and required documentation [12].
2. Submit your online petition [6] prior to the deadline [7].
3. Submit your required documentation [12], including your fee receipt.

## **Deadlines**

Submit your petition prior to the semester deadline [7].

- You will not be able to access the online petition after the semester deadline, i.e. don't miss the deadline.
- Your residency classification can affect tuition, fees and financial aid – use the Academic Calendar [9] to find additional deadlines.

## **Military**

### **Eligibility**

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

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

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

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

Read more about the specific requirements [4].

### **Petition and required docs**

Military petition:

1. Review the residency requirements [4] and required documentation [13].
2. Submit your online petition [6] prior to the deadline [7].
3. Submit your required documentation [13].

## **Deadlines**

Submit your petition prior to the semester deadline [7].

- You will not be able to access the online petition after the semester deadline, i.e. don't miss the deadline.
- Your residency classification can affect tuition, fees and financial aid – use the Academic Calendar [9] to find additional deadlines.

## **Veteran**

### **Eligibility**

Veterans qualify for residency if:

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

Dependents of veterans qualify if:

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

Read more about the specific requirements [4].

### **Petition and required docs**

Veterans petition:

1. Review the residency requirements [4] and required documentation [14].
2. Submit your online petition [6] prior to the deadline [7].
3. Submit your required documentation [14].

### **Deadlines**

Submit your petition prior to the semester deadline [7].

- You will not be able to access the online petition after the semester deadline, i.e. don't miss the deadline.
- Your residency classification can affect tuition, fees and financial aid – use the Academic Calendar [9] to find additional deadlines.

## **Native American**

### **Eligibility**

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

Read more about the specific requirements [4].

### **Petition and required docs**

Native American petition:

1. Review the residency requirements [4] and required documentation [15].
2. Submit your online petition [6] prior to the deadline [7].
3. Submit your required documentation [15].

### **Deadlines**

Submit your petition prior to the semester deadline [7].

- You will not be able to access the online petition after the semester deadline, i.e. don't miss the deadline.
- Your residency classification can affect tuition, fees and financial aid – use the Academic Calendar [9] to find additional deadlines.

## **Teacher**

### **Eligibility**

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

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

Read more about the specific requirements [4].

## Petition and required docs

Teacher petition:

1. Review the residency requirements [4] and required documentation [16].
2. Submit your online petition [6] prior to the deadline [7].
3. Submit your required documentation [16].

## Deadlines

Submit your petition prior to the semester deadline [7].

- You will not be able to access the online petition after the semester deadline, i.e. don't miss the deadline.
- Your residency classification can affect tuition, fees and financial aid – use the Academic Calendar [9] to find additional deadlines.

## AmeriCorps/VISTA

### Eligibility

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

Read more about the specific requirements [4].

## Petition and required docs

AmeriCorps/VISTA petition:

1. Review the residency requirements [4] and required documentation [17].
2. Submit your online petition [6] prior to the deadline [7].
3. Submit your required documentation [17].

## Deadlines

Submit your petition prior to the semester deadline [7].

You will not be able to access the online petition after the semester deadline, i.e. don't miss the deadline.

Your residency classification can affect tuition, fees and financial aid – use the Academic Calendar [9] to find additional deadlines.

## *Requesting residency reclassification*

Now that you have determined your student type, here's what to do next.

1. Review the residency requirements and guidelines [4]
2. Gather required documents and submit your petition
3. Submit your required documents

## Common residency questions

Still have unanswered questions? Take a look through our frequently asked questions below to see if your question is listed there. If not, we're happy to help [18].

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

Your residency classification is determined by a review of all of the information provided on your admissions application in accordance with guidelines provided by the Arizona Board of Regents. Your status as a non-resident is a result of one or more factors used to determine this classification. Please review the Residency Classification [19] webpage and contact a residency specialist [20] if you have any questions.

I AM CURRENTLY ATTENDING A COMMUNITY COLLEGE IN ARIZONA AS A RESIDENT; DOES THAT MAKE ME A RESIDENT AT ASU?

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

I AM A CONTINUING STUDENT; WILL MY RESIDENCY AUTOMATICALLY CHANGE AFTER ONE YEAR?

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

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

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

MY PARENT IS AN ASU ALUMNUS; DOES IT HAVE ANY EFFECT ON MY RESIDENCY CLASSIFICATION?

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

More FAQs [21]

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

### Links:

[1] [www.azregents.edu/board-committees/policy-manual](http://www.azregents.edu/board-committees/policy-manual)

[2] <https://www.azleg.gov/arstitle/>

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

[4] <https://students.asu.edu/residency-requirements>

[5] [https://students.asu.edu/files/in\\_docs\\_may21\\_2019.pdf](https://students.asu.edu/files/in_docs_may21_2019.pdf)

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



- [7] <https://students.asu.edu/residency-deadlines>
- [8] [https://students.asu.edu/files/in\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/in_docs_feb1_2018.pdf)
- [9] <https://students.asu.edu/academic-calendar>
- [10] [https://students.asu.edu/files/de\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/de_docs_feb1_2018.pdf)
- [11] [https://students.asu.edu/files/sp\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/sp_docs_feb1_2018.pdf)
- [12] [https://students.asu.edu/files/tr\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/tr_docs_feb1_2018.pdf)
- [13] [https://students.asu.edu/files/mi\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/mi_docs_feb1_2018.pdf)
- [14] [https://students.asu.edu/files/vt\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/vt_docs_feb1_2018.pdf)
- [15] [https://students.asu.edu/files/na\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/na_docs_feb1_2018.pdf)
- [16] [https://students.asu.edu/files/tw\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/tw_docs_feb1_2018.pdf)
- [17] [https://students.asu.edu/files/am\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/am_docs_feb1_2018.pdf)
- [18] <https://students.asu.edu/residency-contact>
- [19] <https://students.asu.edu/residency>
- [20] <mailto:residency@asu.edu>
- [21] <https://students.asu.edu/faq/156>

## Residency Requirements

### Student/Petition types

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

#### *Independent student*

You're considered an independent student if:

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

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

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

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

- No individual has established residency for tuition purposes in Arizona while attending any education institution in Arizona as a full-time student in the absence of objective evidence to the contrary.

- If an individual is absent from Arizona for more than 30 days they must provide objective evidence that they retained their Arizona domicile.

### *Dependent student*

This 12-month exception applies to a dependent student if:

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

### *Spouse*

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

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

### *Transferred employee*

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

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

### *Military*

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

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

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

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

### *Veteran*

Veterans qualify for residency if:

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

Dependents of veterans qualify if:

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

- the dependent is receiving benefits certified under the Marine Gunnery Sergeant John David Fry Scholarship and provides proof of intent to be an Arizona resident

### *Native American*

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

- Ak Chin Indian Community of Maricopa
- Cocopah Tribe of Arizona
- Colorado River Indian Tribes of the Colorado River
- Indian Reservation
- Fort McDowell Yavapai Nation
- Fort Mojave Indian Tribe
- Gila River Indian Community
- Havasupai Tribe
- Hopi Tribe
- Hualapai Indian Tribe
- Kaibab Band of Paiute Indians
- Navajo Nation
- Pascua Yaqui Tribe
- Quechan Tribe
- Salt River Pima-Maricopa Indian Community
- San Carlos Apache Tribe
- San Juan Southern Paiute Tribe
- Tohono O'odham Nation
- Tonto Apache Tribe
- White Mountain Apache Tribe
- Yavapai-Apache Nation
- Yavapai-Prescott Tribe

### *Americorp/Vista*

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

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

### *Teacher*

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

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

## Residency guidelines

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

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

## Requesting residency reclassification

The process for requesting reclassification (submitting a petition) requires you to:

1. Understand ABOR requirements (see above) and ask questions, if needed.
2. Submit an online petition [4] prior to the semester deadline [5].
3. Gather and submit your required documentation [6].

A residency petition includes the reclassification application and the required documentation. The application and required documentation must be submitted to complete the residency petition and to initiate the review of the student's residency reclassification request.

## Documentation

You must submit all required documentation to complete your petition. Delaying the submission of your documents will either delay the review of your petition or cause your petition to be withdrawn. Supporting your request with adequate documentation is your responsibility and petitions without sufficient supporting documents will be denied or withdrawn. Use the document checklist [6] for your petition to organize and track what you are providing in support of your petition (the checklist is not the petition). If there is something you do not have or cannot provide, please provide a short explanation.

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

## Petition fee

There is a \$50 non-refundable petition fee for Independent, Dependent, Spouse and Transferred Employee petitions. Your receipt confirming payment of this fee must be provided with your supporting documentation. There are no fees associated with the following petition types: Military, Veteran, Native American, AmeriCorps/VISTA and Teacher Waiver. Petition fees can be paid at the Student Account and Cashiering Services [8]. The Residency Classification Office cannot accept or process fee payments.

## Processing time

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

## Checking your petition status

The status of your request will be one of the following and can be viewed from the residency reclassification application portal [4]:

- **Submitted:** Your online petition has been submitted and received by the Residency Classification Office.
- **In Queue:** Supporting documentation has been received, but has not yet been reviewed by a Residency Classification Specialist.
- **Pending:** New supporting documentation has been received, but has not yet been reviewed by a Residency Classification Specialist.
- **In Review:** Your petition is under review and no further action is required from you at this time. A decision or contact from the Residency Classification Office should occur within 10 days.
- **Documents Needed:** Your petition is under review, but you have not yet submitted all of the required supporting documentation. An email was sent to your ASU email with additional information.
- **Contact Residency:** Your petition is under review, but we need to speak with you. Please contact the Residency Classification Office at 480-965-7712. An email was sent to your ASU email with more information.
- **Withdrawal Warning:** Your petition is in danger of being withdrawn because you have not provided the required supporting documentation. If supporting documentation is not received within the next seven days your petition will be withdrawn. An email was sent to your ASU email with more information.
- **Withdrawn:** Your petition has been withdrawn from consideration and will not be evaluated. An email was sent to your ASU email with more information.
- **Approved:** Your petition was approved and your status has been changed to resident. A formal notification was sent to your ASU email.
- **Denied:** Your petition was denied. A formal notification was sent to your ASU email with a summary of why your request was denied.

## Petition outcome

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

If your residency petition is denied and you believe this decision is erroneous, you can request an appeal [9]. The deadline to appeal your denial will be indicated on your denial notification. Your appeal should be requested as soon as possible; appeal requests made after the posted deadline will not be processed.

## Tuition and fees

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

## Financial aid

Financial aid is calculated based partly on cost of attendance. Changes to your residency classification may cause your financial aid to be recalculated and adjusted accordingly. In some cases, your aid may be reduced or cancelled and you may be required to return funds that have already been disbursed to you. If you have questions, contact Financial Aid and Scholarship Services [10].

## Citizenship and lawful immigration status

State law requires all students who are classified as residents for tuition purposes to provide verification of citizenship, permanent residency, or other lawful immigration status. Students that cannot meet this requirement cannot be classified as residents for tuition purposes. Visit Citizenship/Status Verification [11] for more information. If required from you, you will see a priority task on your My ASU [12] page with additional instructions.

## Visa types and residency for international students

Per ABOR 4-102, non-U.S. citizens who are in Arizona on temporary, non-immigrant visas cannot be classified as residents for tuition purposes. If applicable, see Visa Types and Residency Eligibility [13] for a list of eligible visa types. If you have an eligible visa, you must also meet qualify for in-state status per current ABOR policies. If you change to a non-eligible visa type, your classification will be automatically changed to non-resident.

## Additional information

Arizona Board of Regents (ABOR) Policy Manual, Section B: Tuition Classification (4.201-208) [1]

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

Verification of Citizenship or Lawful Presence [15]

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

### Links:

- [1] <http://www.azregents.edu/board-committees/policy-manual>
- [2] <https://go.oasis.asu.edu/residencypetition/>
- [3] <https://students.asu.edu/academic-calendar>
- [4] <https://www.asu.edu/go/residencypetition>
- [5] <https://students.asu.edu/residency-deadlines>
- [6] <https://students.asu.edu/residency-forms>
- [7] <https://eoss.asu.edu/dos/srr>
- [8] <https://students.asu.edu/contact-tuition-billing>
- [9] <https://students.asu.edu/residency-appeal>
- [10] <https://students.asu.edu/financial-aid/contact>
- [11] <https://students.asu.edu/verification-citizenship>
- [12] <https://webapp4.asu.edu/myasu/student>
- [13] <https://students.asu.edu/forms/visa-types-and-residency-eligibility>
- [14] [www.azleg.gov/ArizonaRevisedStatutes.asp?Title=15](http://www.azleg.gov/ArizonaRevisedStatutes.asp?Title=15)
- [15] <https://students.asu.edu/statusverification>

# Residency Forms

## Residency petition

Use the residency navigator [1] to help determine which petition type is most applicable to your situation.

If you're still not sure, contact the residency office [2] for help.

You can access the petition from here [1]. Your petition is completed online and should be submitted prior to submitting any documents or paying your fee (if applicable). A "complete" petition requires A) your online petition and, B) all of your supporting documents.

## Petition documents and fees

Your required documents are dependent on which petition type you selected. Use the document checklist (below) to organize and track the documents you are submitting. But, don't confuse the checklist with your petition — they go together, but are not the same thing and serve different purposes. If you don't submit appropriate documentation, your petition will be denied or withdrawn.

Documents can be submitted in-person at any University Registrar Services location [3] or electronically as email attachments to [residencydocs@asu.edu](mailto:residencydocs@asu.edu) [4].

### *\$50 fee required*

- Independent Student [5]
- Dependent Student [6]
- Spouse of an Arizona Resident [7]
- Transferred Employee [8]

### *No fee*

- Military Exception Checklist [9]
- Veteran Exception Checklist [10]
- Native American Exception Checklist [11]
- Teacher Waiver Checklist [12]
- AmeriCorps/VISTA Exception Checklist [13]

Petition fees can be paid at the Student Account and Cashiering Services [14]. A copy of your receipt must be given to the residency office to confirm payment. The Residency Classification Office cannot accept or process fee payments.

## Things to know

- Petitions are processed in the order they are received. Submit your petition and supporting documents as early as possible.
- When you submit a petition, a priority task will appear in My ASU [15] to remind you to support your petition with appropriate documentation. Once we have what we need, this task will be removed.
- The university considers all information relevant to your request. We will verify the authenticity of all documents provided and may seek additional information. If you can't provide something, please explain what is missing and why.
- Documents must be legible. Originals are not required.
- Submitting documents electronically carries some risk and students are advised to redact sensitive information prior to submission.

- Please do not use three-ring binders or have your documents spiral bound.
- Additional documents may be requested by the Residency Classification Office.
- The burden of proof belongs to the student. It is your responsibility to support your petition with appropriate documentation.
- Applications and accompanying documentation will be retained by Arizona State University in accordance with university-approved requirements. All information will be kept confidential as required by law and university policy.

## Resources

- Moving to Arizona? Arizona Department of Revenue [16]
- New to Arizona? Arizona Motor Vehicle Division [17]
- Request a copy of an Arizona tax return from the Arizona Department of Revenue [18]
- Request a motor vehicle record from the Arizona Motor Vehicle Division [19]
- Request a tax transcript from the Internal Revenue Service [20]
- U.S. Citizenship and Immigration Services [21]
- Deferred Action for Childhood Arrivals (DACA) [22]
- Arizona Board of Regents Residency Classification [23]

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

### Links:

- [1] <https://students.asu.edu/residency>
- [2] <mailto:residency@asu.edu?subject=ResidencyPetition%2FNavigator>
- [3] <https://students.asu.edu/residency-contact>
- [4] <mailto:residencydocs@asu.edu?subject=ResidencyDocumentation>
- [5] [https://students.asu.edu/files/in\\_docs\\_may21\\_2019.pdf](https://students.asu.edu/files/in_docs_may21_2019.pdf)
- [6] [https://students.asu.edu/files/de\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/de_docs_feb1_2018.pdf)
- [7] [https://students.asu.edu/files/sp\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/sp_docs_feb1_2018.pdf)
- [8] [https://students.asu.edu/files/tr\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/tr_docs_feb1_2018.pdf)
- [9] [https://students.asu.edu/files/mi\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/mi_docs_feb1_2018.pdf)
- [10] [https://students.asu.edu/files/vt\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/vt_docs_feb1_2018.pdf)
- [11] [https://students.asu.edu/files/na\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/na_docs_feb1_2018.pdf)
- [12] [https://students.asu.edu/files/tw\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/tw_docs_feb1_2018.pdf)
- [13] [https://students.asu.edu/files/am\\_docs\\_feb1\\_2018.pdf](https://students.asu.edu/files/am_docs_feb1_2018.pdf)
- [14] <https://students.asu.edu/tuitionandbillingcontact>
- [15] <https://my.asu.edu>
- [16] <https://azdor.gov/individual-income-tax-information/moving-arizona>
- [17] [www.azdot.gov/mvd/driver-services/NewtoAZ](http://www.azdot.gov/mvd/driver-services/NewtoAZ)
- [18] <https://azdor.gov/forms/other-forms/request-copies-tax-documents>
- [19] [www.azdot.gov/mvd/driver-services/driver-license-information/motor-vehicle-records](http://www.azdot.gov/mvd/driver-services/driver-license-information/motor-vehicle-records)
- [20] [www.irs.gov/Individuals/Get-Transcript](http://www.irs.gov/Individuals/Get-Transcript)
- [21] [www.uscis.gov](http://www.uscis.gov)
- [22] [www.dhs.gov/deferred-action-childhood-arrivals](http://www.dhs.gov/deferred-action-childhood-arrivals)
- [23] <https://students.asu.edu/residency-appeal>



# Residency Deadlines

## Deadlines

Petition requests for reclassification submitted (and supported by all required documentation) before the priority deadline, will be reviewed prior to the petition deadline for that term. Requests for reclassification will not be accepted after posted deadlines for each semester.

Semester	Petition Deadline	Priority Deadline <sup>1</sup>
Spring 2019	January 11, 2019	November 1, 2018
Summer 2019	May 21, 2019	April 1, 2019
Fall 2019	August 28, 2019	June 1, 2019
Spring 2020	January 17, 2020	November 1, 2019

Failure to submit a request for reclassification by the deadline constitutes a waiver of your right to petition for that term.

<sup>1</sup> Petitions submitted after this date will be reviewed in the order in which they are received and may not be evaluated until after classes begin.

You will not be permitted to submit a request for reclassification after the posted deadline. Late requests cannot be accepted and there is no option to appeal a petition submitted after the deadline.

Summer petitions are only evaluated for students registered for summer classes.

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

# Residency Appeal

## Appeal

The residency classification appeal process affords students who have had their residency petition denied the opportunity to present new evidence or testimony before the University Residency Appeals Committee, who will subsequently render a final decision. An appeal is only for students that have had petitions formally denied by the Residency Office. This committee is bound to the same ABOR policies as the Residency Office and does not have authority to make exceptions. The committee is staffed by faculty, staff and students from across the university. Staff members from the Residency Office are not permitted to serve on this committee.

- A residency appeal should be submitted if you believe the decision is erroneous based on ABOR requirements, not because you do not agree with the denied decision or with the requirements.
- A residency appeal form should be submitted along with a written statement explaining why you believe the decision is erroneous (based on ABOR requirements) and all new supporting documentation, no later than the provided appeal deadline date.

## Appeal deadlines

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

Semester	Appeal Deadline
Spring 2019	February 15, 2019
Summer 2019	June 25, 2019
Fall 2019	October 2, 2019
Spring 2020	February 21, 2020

## The appeal process

Review your denial letter, decision summary and Arizona Board of Regents (ABOR) requirements [1].

- Submit a written request for an appeal hearing using the Residency Appeal Form [2].
- Provide new documentation with your appeal request. All supporting documents must be submitted no later than 10 business days prior to your scheduled hearing.
- Attend your scheduled hearing. Your hearing will be held whether you are present or not.
- Prepare to answer questions about your petition at your appeal hearing.

Submit all supporting documents at the time of the appeal form submission. This gives the evaluator an opportunity to re-evaluate the petition with the new documentation and possibly overturn their decision, negating the necessity of a hearing altogether.

The appeal committee members will review your petition independently in its entirety prior to your hearing and may consider all aspects of your application, not just the points indicated in your decision summary. A decision will be made at the conclusion of your hearing. However, the committee may vote to delay their decision for up to 10 days.

You will receive notification of the date, time and place of the appeal two weeks prior to the hearing. During this time, make arrangements with any outside conflicts, such as work or witness availability. Rescheduling due to these conflicts may not be an option.

Students with pending appeals are subject to petition deadlines for future terms. The decision to petition for future terms must be made prior to the posted deadline for the given term regardless of the appellant's status with any pending appeal.

## Appeal hearing

Appeal hearings are scheduled on a first-come, first-served basis. All students are encouraged to submit their appeal requests within seven days of notification of denial. Prompt requests will be given priority. In all situations, your appeal will be scheduled to avoid conflicts with your current class schedule. Unfortunately, non-course conflicts cannot be considered.

Hearings may be scheduled during spring, fall and winter breaks. If you are going to be out of town during that time, notify the office when you submit your appeal form. Rescheduling due to travel may not be an option. Once an appeal has been

scheduled, cancellations or changes must be submitted in writing to the Residency Classification Office no later than five business days before the scheduled appeal hearing date.

All appeal hearings are open meetings and anyone may attend. To comply with the Arizona Open Meeting law, you must consent to have your information heard by all those in attendance by signing a FERPA waiver (Family Educational Rights and Privacy Act of 1974). Students can elect to be represented by an advisor or counsel at their expense. Please inform the Residency Classification Office if you plan to attend with representation.

## Appeal decision

Decisions of the Residency Classification Appeal Committee are final. Appellants will be notified of the Appeals Committee decision by certified letter.

Appellants who are reclassified as in-state resident students will be refunded the out-of-state portion of the tuition that has been paid for the term in question.

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

### Links:

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

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

## Residency Contact

### Contact us

#### Phone

480-965-7712

#### Email

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

Send documents to [residencydocs@asu.edu](mailto:residencydocs@asu.edu) [2].

#### Mail

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

#### In-Person

Student Services Building, Room 140  
Monday through Friday  
8 a.m. to 5 p.m.

## FAQs

Chances are you will have questions. Here's some of our most commonly asked questions [3].

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

### Links:

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

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

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

## Frequently Asked Questions - Declaring Arizona Residency

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

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

I AM CURRENTLY ATTENDING A COMMUNITY COLLEGE IN ARIZONA AS A RESIDENT; DOES THAT MAKE ME A RESIDENT AT ASU?

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

I AM A CONTINUING STUDENT; WILL MY RESIDENCY AUTOMATICALLY CHANGE AFTER ONE YEAR?

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

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

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

MY PARENT IS AN ASU ALUMNUS; DOES IT HAVE ANY EFFECT ON MY RESIDENCY CLASSIFICATION?

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

DOES LIVING IN ARIZONA WITH A RELATIVE OTHER THAN MY PARENTS HAVE ANY EFFECT ON RESIDENCY STATUS?

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

I AM A DUAL RESIDENT OF ARIZONA; CAN I BE CONSIDERED A RESIDENT FOR TUITION PURPOSES?

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

MY PARENTS LIVE OUT-OF-STATE BUT I ATTEND AN ARIZONA HIGH SCHOOL; WILL I BE CONSIDERED A RESIDENT IF I GRADUATE FROM AN ARIZONA HIGH SCHOOL?

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

I ATTENDED AN ARIZONA INSTITUTION USING THE WUE (WESTERN UNIVERSITY EXCHANGE) OR WICHE (WESTERN INTERSTATE COMMISSION FOR HIGHER EDUCATION) PROGRAM; WILL I BE CONSIDERED A RESIDENT?

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

ARE THERE ANY HARDSHIP EXCEPTIONS?

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

I OWN PROPERTY IN ARIZONA; DOESN'T THAT MAKE ME A RESIDENT?

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

IF I MARRY AN ARIZONA RESIDENT, CAN I BE CLASSIFIED AS A RESIDENT?

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

I AM A RESEARCH ASSISTANT, TEACHING ASSISTANT OR GRADUATE ASSISTANT AND HAVE BEEN PAYING RESIDENT TUITION. AM I A RESIDENT?

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

I'M AN ASU EMPLOYEE WHO IS CLASSIFIED AS A NONRESIDENT FOR TUITION PURPOSES, BUT AM OTHERWISE ELIGIBLE FOR THE QUALIFIED TUITION REDUCTION PROGRAM. HOW SHOULD I PROCEED?

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

HOW DO I CHECK THE STATUS OF MY RESIDENCY PETITION?

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

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

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

**Links:**

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

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

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

[4] <https://students.asu.edu/tuition-reduction>

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

## Verification of Citizenship or Lawful Immigration Status

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

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

### Verification process

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

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

#### *Option 2: Submit documents electronically* [3]

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

#### *Option 3: Submit documents in-person, by mail or via email* [3]

Students can submit documents in-person at any registrar location [4], by mail or by email to registrar@asu.edu [5]. Copies of your documentation is acceptable provided they are legible and unaltered. All documentation is subject to review and students may be asked to provide additional information. Processing time is 2-3 business days.

Mail to:

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

Documentation submitted in-person, by mail or by email must include a signed copy of the Citizenship Verification Form [6].

Completing this requirement is the student's responsibility. Students that do not provide verification will be charged non-resident tuition and will not be eligible for state-funded financial aid. If you have questions or concerns, please contact University Registrar Services at 480.965.3124.

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

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

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

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

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

If you are unable to provide verification or if you have questions, please contact University Registrar Services at 480.965.3124.

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

### Links:

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

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

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

[4] <https://students.asu.edu/contact/office-university-registrar>

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

[6] [https://students.asu.edu/sites/default/files/cv\\_form\\_03282019.pdf](https://students.asu.edu/sites/default/files/cv_form_03282019.pdf)

# Tuition and Fees

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

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

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

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

## ASU Payment Plan

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

## Leaving ASU

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

## IRS Form 1098-T

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

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

### Links:

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

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

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

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

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

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

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

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



## Tuition and Fee Descriptions

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

### Differential Tuition and Program Tuition

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

### Excess Hours Tuition

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

### Undergraduate College Fee 1-4

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

#### Undergraduate College Fee 1

Mary Lou Fulton Teachers College

College of Integrative Sciences and Arts: Humanities and Social Sciences

New College of Interdisciplinary Arts and Sciences: Humanities and Social Sciences

#### Undergraduate College Fee 2

College of Integrative Sciences and Arts: Sciences

New College of Interdisciplinary Arts and Sciences: Sciences

School for the Future of Innovation in Society

School of Sustainability

The College of Liberal Arts and Sciences: Humanities and Social Sciences

Watts College of Public Service and Community Solutions

#### Undergraduate College Fee 3

College of Health Solutions

College of Nursing and Health Innovation\*\*

Herberger Institute for Design and the Arts

#### Undergraduate College Fee 4

Ira A. Fulton Schools of Engineering

The College of Liberal Arts and Sciences: Sciences

Thunderbird School of Global Management

Walter Cronkite School of Journalism and Mass Communication

W.P. Carey School of Business

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

### **Technology Fee**

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

### **Student-initiated Fee**

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

### **Graduate Student Support Fee**

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

### **Special Class, Hybrid, oCourse, iCourse Fees**

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

### **Late Registration Fee**

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

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

### **Links:**

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

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

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

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

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

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

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

## Student Initiated Fee

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

### Recreation Fee

The Recreation Fee supports programs and services at the Sun Devil Fitness Centers. Funds are used to provide intramurals, student employment opportunities, a broad array of fitness classes and workshops, events and programs. Each Fitness Complex has an advisory board that provides routine feedback on services, hours and programs. Students interested in serving on a Sun Devil Fitness Advisory Board are encouraged to apply [1].

### Student Service Facility Fee

The Student Service Facility Fee allows for the enhancements of existing facilities and the planning and development of new student service facilities to meet the needs of a growing student population. For a list of facilities built and supported by the fee, click here. [2]

### Student Programs Fee

The Student Programs Fee provides funding for student programming initiatives. Managed by student government at each location, this fee is used to generate value added programming that supports ASU student needs and interests. Recipients of the programs fee funding typically include: Programming and Activities Board (PAB), Clubs and Organizations, Sports Clubs, travel funding to support research and attend conferences, and large-scale student programs and activities.

### Health and Wellness Fee

The Health and Wellness Fee supports the operation of ASU Health Services. Funding supports health education and promotion, primary care, acute emergency care services, travel medicine services, nutritional counseling and high demand specialty care. The Health Services Advisory Board provides routine feedback to the Director of Health Services on services provided, quality and efficiency of care, new innovations, and student needs. Students interested in serving on the Health Services Advisory Board are encouraged to apply [1].

### Student Athletic Fee

The Student Athletic Fee provides a revenue stream of funds to support the operations of Sun Devil Athletics, in exchange for a reinvestment of university funds into student-identified priorities. These priorities were established by the Athletic Fee Operations Board and include salary increases for Research and Teaching Assistants to a minimum standard, expanding transportation services to include weekends and holidays, free attendance to all ASU football games, free graduate test prep programs and increased university investment for need and merit-based financial aid. Students interested in serving on the Athletic Fee Operations Board are encouraged to apply [1]

### Financial Aid Trust Fee

Included with the Student Initiated Fees is the Financial Aid Trust Fee assessed to all students as authorized by the Arizona Legislature.

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

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

#### Links:

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

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

# Professional Flight Program Fee Schedules

## Background

In September 2015, the VA issued a policy advisory that addressed the use of VA educational benefits for flight programs at Institutes of Higher Learning (IHLs). The policy obligated IHLs to define their curriculum as the minimal amount of flight and ground events required to complete the degree program, along with the duration and cost of each event. Henceforth, the VA would only pay this minimum for approved programs on a per-class basis. An additional policy advisory issued in December 2015 excluded the payment of private pilot instruction for IHLs who use a third party provider for flight training, as is ASU's case. This impacted AMT 105 and AMT 110, two flight classes within the AMT Pro Flight curriculum, which contained Private Pilot curriculum. Finally, it has been a longstanding policy that the VA compliance of any program is dependent upon meeting the "85/15 rule," whereby at least 15% of the students in any given program of study are not receiving VA benefits. While ASU does meet this criterion in terms of non-veterans in the flight program for this catalog year, the intent is that non-veterans be billed in the same way as those receiving VA benefits (i.e., billed directly by ASU for the minimum flight fee cost, excluding private pilot instruction).

## Establishment of a Two-Track System

In response to these requirements, ASU Aviation Programs created two payment tracks for students in the Aviation Management Technology – Professional Flight concentration, as follows:

1. **Direct Pay to Flight Training Provider.** This track enables the student to pay directly to the flight-training provider on a pay-as-you-go basis. Students would select this option if they need to complete the Private Pilot Certification sequence of courses. It is preferred that the majority of students select this option, as the Flight Provider will have the most direct and timely information about students' account status (i.e., that they have funds deposited to cover flight instruction costs as they progress.)
2. **Minimum Course Fee Pay through ASU.** This track enables the minimum cost of eligible flight instruction courses to be paid directly by the VA for VA-eligible students. These students will be billed the minimum course fee by ASU, which in turn will be paid by the VA or the student. As a minimum of 15% of the students utilizing this option must also come from the non-VA population, non-VA students may opt for this track if they already are a licensed Private Pilot and agree to be billed through this process for the minimum flight course fees. These funds will be collected by ASU and passed on to the Flight Training Partner. For all students in this track who need to pay above the minimum to complete the course requirements, those additional fees will be paid directly to the Flight Training Provider.

The following two tables summarize the class structure and corresponding fees:

*Fee tables coming soon.*

**Source:** Pat Tillman Veterans Center

## Tuition Refund Policy

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

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

### Fall and spring semester classes

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

### Summer session classes

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

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

### Medical or compassionate withdrawals

Students withdrawing for medical circumstances or other extenuating circumstances must contact their college to initiate the process. Approved medical or compassionate withdrawals [1] are eligible for up to an 80% refund of tuition if approved within two years of the end of the semester. No tuition refund is provided thereafter.

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

**Links:**

[1] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>

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

## Undergraduate Excess Hours Tuition

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

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

### Exemptions

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

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

### Tuition waivers and scholarships

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

### Academic year 2018–2019 rates

For resident students the surcharge is \$140 per credit hour up to a maximum of \$980 for enrollment in 7 or more hours. For nonresident students the surcharge is \$230 per credit hour up to a maximum of \$2,760 for enrollment in 12 or more credit hours. For online students, the excess hours tuition rate is \$104 per credit hour up to a maximum of \$1,248 for enrollment in 12 or more credit hours.

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

## Polytechnic & West Campus Tuition Discounts

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

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

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

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

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

### Links:

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

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

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

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

## Tuition Payment with Financial Aid

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

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

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

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

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

## Refunds by direct deposit

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

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

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

## Taxability of scholarships and fellowships

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

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

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

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

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

## Financial assistance withdrawal policy

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



## Official complete withdrawal

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

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

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

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

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

### Links:

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

## Qualified Tuition Reduction

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

### Eligibility

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

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

### Qualified tuition reduction form

ASU employees must complete and submit the Qualified Tuition Reduction Form each semester to receive the reduced in-state tuition benefit for classes taken at ASU. Forms can be obtained at Human Resources (University Center A Building), the Student Accounts Office or online at [asu.edu/hr/forms](http://asu.edu/hr/forms) [3]. The form must be received and processed in the Student Accounts Office by the tuition due date. Please submit forms early to ensure timely processing:

- Mail to the Student Accounts Office, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303 (Campus Mail Code 0303).
- Fax to the Student Accounts Office at 480-965-9242.
- E-mail to [tuitionreduction@asu.edu](mailto:tuitionreduction@asu.edu) [4].
- Submit in person at the following locations:
  - Tempe campus Student Accounts Office on the second floor of the Student Services (SSV) building
  - West campus Tuition Payment and Cashiering Services Office in University Center 101
  - Polytechnic campus Tuition Payment and Cashiering Services Office 350
  - Downtown Phoenix campus Cashiering Services and Tuition Payment Office in University Center 112

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

### NAU & U of A classes

There is a separate Qualified Tuition Reduction Form for classes at U of A or NAU and for ASU retirees and employees of affiliate organizations taking classes at U of A, NAU or ASU. This form can be obtained at Human Resources (University Center A Building) or online at [asu.edu/hr/forms](http://asu.edu/hr/forms) [3]. The Qualified Tuition Reduction Form for U of A/NAU/Retired/Affiliate staff must be approved by staff in ASU Human Resources and then submitted to the tuition payment office at the campus where classes are being taken.

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

#### Links:

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

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

[3] <http://www.asu.edu/hr/forms/>

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

## Tuition Receipt

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

### How to view your tuition receipt

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

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

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

#### Links:

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

## Form 1098-T Tuition Tax Statement

Effective for calendar year 2018 and due to federally mandated tax reporting regulations, ASU will now be reporting amounts **paid** for qualified tuition and related expenses on the IRS 1098-T form. In prior years, ASU reported only **billed** amounts for these qualified tuition and related expenses on the IRS 1098-T form. You, or the person who may claim you as a dependent, may be able to take the tuition and fees deduction or claim an education credit on form 1040 or 1040A for the qualified tuition and related expenses that were actually paid during the calendar year. For example, a student who makes payment in 2011 for spring 2012 charges will only be eligible for an education credit for this payment in 2011. The IRS 1098-T form is an informational document and does not need to be attached to your tax return. There is no IRS or ASU requirement that you claim a tuition and fees deduction or an education credit. Please consult your tax advisor for further tax questions or advice.

### How to view your 1098-T

To view your 1098-T tuition statement:

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

### Additional resources

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

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

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

**Links:**

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

## ASU Payment Plan

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

	ASU Payment Plan Due Dates	ASU Payment Plan Enrollment Fee
Fall	August 25	
	September 25	\$100 Resident Students
	October 25	\$200 Nonresident Students
Spring	January 25	
	February 25	\$100 Resident Students
	March 25	\$200 Nonresident Students
Summer*	May 25	
	June 25	\$50 Resident Students
	July 25	\$100 Nonresident Students

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

## My ASU enrollment

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

The screenshot displays the My ASU interface with the 'Finances' tab selected. The main content area is divided into several sections:

- Account Charges:** Shows a total balance of \$0.00 with a 'Make a Payment' button. A message states, 'You have no outstanding charges.' Below this, it lists the 'Tuition Group: Fall 2013 3 Years' and provides links for 'View History', 'Residency: Resident', and 'Citizenship: Verified'.
- Financial Aid and Scholarships:** Includes a 'My Financial Aid Tracker' for the years 2013-2014 and 2014-2015. A progress bar shows steps: 'Submitted FAFSA', 'Completed Your FAFSA', 'Eligibility Review & Award Notice', 'Act On Your Award', and 'Disbursement'. A message indicates that ASU is reviewing submitted documents. The 'Satisfactory Academic Progress Status' is shown as 'Good Standing'.
- Financing Tasks:** A sidebar on the right with two columns: 'Priority Actions' (currently 'None') and 'Additional Actions'. Under 'Additional Actions', there are sections for 'Obtain Funding' (FERPA consent form, search for scholarships/jobs) and 'Manage Payments' (tuition installment plan, ASU payment plan, authorized payer, direct deposit, plan finances). A tooltip for 'Tuition a' explains that for a minimal fee, the ASU Payment Plan allows budgeting tuition and other expenses over several months. Below this are links for 'Help & Support' (call 480-4, submit a, visit us in) and 'Financial Assistance' (call 855-278-5080, guided self help, live chat, visit us in person, visit our webpage).

## Automatic enrollment

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

## Financial aid (scholarships, grants, loans)

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

## Frequently asked questions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Links:**

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

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

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

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

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

## Non-Resident Tuition Rate for Arizona High School Graduates

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

### Arizona Board of Regents (ABOR) policy

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

### ASU procedure for applying

1. Submit final Arizona high school transcript showing at least 3 years of attendance **with graduation date** to Admission Services [1].
2. **DACA students:** submit proof of DACA status, which typically is your Employment Authorization Document (EAD) card, to [residency@asu.edu](mailto:residency@asu.edu) [2]
3. **All other students:** submit your Verification of Citizenship or Lawful Immigration Status [3]

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

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

If you have not received confirmation that you are eligible for this tuition rate, or if you completed the equivalent of a high school degree while physically present in Arizona for a minimum of three years, please complete and submit the Non-Resident Tuition Rate for Arizona High School Graduates Application [4] with supporting documentation.

### Residency classification and financial aid

- Eligible students remain classified as non-residents. Visit Residency [5] for information about requesting reclassification.
- Changes to your tuition can affect financial aid awards. Contact Financial Aid [6] for questions about your aid.

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

#### Links:

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

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

[3] <https://students.asu.edu/verification-citizenship-or-lawful-immigration-status>

[4]

[https://students.asu.edu/sites/default/files/application\\_for\\_nr\\_tuition\\_rate\\_for\\_arizona\\_high\\_school\\_graduates\\_april\\_25\\_2019.pdf](https://students.asu.edu/sites/default/files/application_for_nr_tuition_rate_for_arizona_high_school_graduates_april_25_2019.pdf)

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

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

## **Fall 2019 and Spring 2020 Tuition and Fees Schedules**

All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2019-2020. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

### **Program specific tuition and fees**

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

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

**Links:**

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



## Fall 2019 and Spring 2020 tuition and fee schedules

**General Tuition & Fees**  
**Resident Undergraduate Degree Program**  
**All Campuses**

<b>UNDERGRADUATE COLLEGE FEE 1</b>							
Includes: Education, New College humanities and social sciences, CISA humanities and social sciences							
	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$765	\$1,530	\$2,295	\$3,060	\$3,825	\$4,590	\$5,355
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$922	\$1,687	\$2,452	\$3,217	\$3,982	\$4,747	\$5,669

<b>UNDERGRADUATE COLLEGE FEE 2</b>							
Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability, and Future of Innovation in Society							
	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$765	\$1,530	\$2,295	\$3,060	\$3,825	\$4,590	\$5,355
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$937	\$1,717	\$2,497	\$3,277	\$4,057	\$4,837	\$5,774

<b>UNDERGRADUATE COLLEGE FEE 3</b> Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$765	\$1,530	\$2,295	\$3,060	\$3,825	\$4,590	\$5,355
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$977	\$1,797	\$2,617	\$3,437	\$4,257	\$5,077	\$6,054

<b>UNDERGRADUATE COLLEGE FEE 4</b> Includes: Journalism, Engineering, The College sciences, Thunderbird and Business							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$765	\$1,530	\$2,295	\$3,060	\$3,825	\$4,590	\$5,355
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$997	\$1,837	\$2,677	\$3,517	\$4,357	\$5,197	\$6,194

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

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

<sup>(3)</sup> The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

<sup>(4)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2019-2020 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergraddegreeprogallcampusresident>

**Links:**

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

**General Tuition & Fees**  
**Non-Resident Undergraduate Degree Program**  
**All Campuses**

<b>UNDERGRADUATE COLLEGE FEE 1</b>												
<b>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,200	\$2,400	\$3,600	\$4,800	\$6,000	\$7,200	\$8,400	\$9,600	\$10,800	\$12,000	\$13,200	\$14,400
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,357	\$2,557	\$3,757	\$4,957	\$6,157	\$7,357	\$8,714	\$9,914	\$11,114	\$12,314	\$13,514	\$14,714

**UNDERGRADUATE COLLEGE FEE 2**

**Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability and Future of Innovation in Society**

	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,200	\$2,400	\$3,600	\$4,800	\$6,000	\$7,200	\$8,400	\$9,600	\$10,800	\$12,000	\$13,200	\$14,400
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,372	\$2,587	\$3,802	\$5,017	\$6,232	\$7,447	\$8,819	\$10,034	\$11,249	\$12,464	\$13,679	\$14,894

**UNDERGRADUATE COLLEGE FEE 3**

**Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation**

	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,200	\$2,400	\$3,600	\$4,800	\$6,000	\$7,200	\$8,400	\$9,600	\$10,800	\$12,000	\$13,200	\$14,400
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,412	\$2,667	\$3,922	\$5,177	\$6,432	\$7,687	\$9,099	\$10,354	\$11,609	\$12,864	\$14,119	\$15,374

<b>UNDERGRADUATE COLLEGE FEE 4</b> Includes: Journalism, Engineering, The College Sciences, Thunderbird and Business												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,200	\$2,400	\$3,600	\$4,800	\$6,000	\$7,200	\$8,400	\$9,600	\$10,800	\$12,000	\$13,200	\$14,400
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,432	\$2,707	\$3,982	\$5,257	\$6,532	\$7,807	\$9,239	\$10,514	\$11,789	\$13,064	\$14,339	\$15,614

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

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

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

(4) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2019-2020 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergraddegreeprogallcampusnonresident>

**Links:**

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

**General Tuition & Fees**  
**International Undergraduate Degree Program**  
**All Campuses**

<b>UNDERGRADUATE COLLEGE FEE 1</b>												
Includes: Education, New College humanities and social sciences, CISA humanities and social sciences												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,300	\$2,600	\$3,900	\$5,200	\$6,500	\$7,800	\$9,100	\$10,400	\$11,700	\$13,000	\$14,300	\$15,600
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,457	\$2,757	\$4,057	\$5,357	\$6,657	\$7,957	\$9,414	\$10,714	\$12,014	\$13,314	\$14,614	\$15,914

<b>UNDERGRADUATE COLLEGE FEE 2</b>												
Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability and Future of Innovation in Society												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,300	\$2,600	\$3,900	\$5,200	\$6,500	\$7,800	\$9,100	\$10,400	\$11,700	\$13,000	\$14,300	\$15,600
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314

<b>Total International Undergraduate Tuition and Fees</b>	\$1,472	\$2,787	\$4,102	\$5,417	\$6,732	\$8,047	\$9,519	\$10,834	\$12,149	\$13,464	\$14,779	\$16,094
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<b>UNDERGRADUATE COLLEGE FEE 3</b> Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,300	\$2,600	\$3,900	\$5,200	\$6,500	\$7,800	\$9,100	\$10,400	\$11,700	\$13,000	\$14,300	\$15,600
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,512	\$2,867	\$4,222	\$5,577	\$6,932	\$8,287	\$9,799	\$11,154	\$12,509	\$13,864	\$15,219	\$16,574

<b>UNDERGRADUATE COLLEGE FEE 4</b> Includes: Journalism, Engineering, The College sciences, Thunderbird, and Business												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,300	\$2,600	\$3,900	\$5,200	\$6,500	\$7,800	\$9,100	\$10,400	\$11,700	\$13,000	\$14,300	\$15,600
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314

<b>Total International Undergraduate Tuition and Fees</b>	\$1,532	\$2,907	\$4,282	\$5,657	\$7,032	\$8,407	\$9,939	\$11,314	\$12,689	\$14,064	\$15,439	\$16,814
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(1) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is \$240 per credit hour up to a maximum of \$2,880 for enrollment in 12 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

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

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

(4) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently proposed for the 2019-2020 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19international>

**Links:**

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

**General Tuition & Fees**  
**Undergraduate Degree Program**  
**Online Campus**

RESIDENT	ENROLLED HOURS																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
<b>Resident Undergraduate Online Tuition</b>	\$530	\$1,060	\$1,590	\$2,120	\$2,650	\$3,180	\$3,710	\$4,240	\$4,770	\$5,300	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355
<b>Technology Fee</b>	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>Financial Aid Trust <sup>(4)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54	54



<b>Total Resident Undergraduate Online Tuition and Fees</b>	\$607	\$1,137	\$1,667	\$2,197	\$2,727	\$3,257	\$3,814	\$4,344	\$4,874	\$5,404	\$5,459	\$5,459	\$5,459	\$5,459	\$5,459	\$5,459	\$5,459	\$5,459	\$5,459
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NON-RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Non-Resident Undergraduate Online Tuition</b>	\$530	\$1,060	\$1,590	\$2,120	\$2,650	\$3,180	\$3,710	\$4,240	\$4,770	\$5,300	\$5,830	\$6,360	\$6,890	\$7,420	\$7,950	\$8,480	\$9,010	\$9,540
<b>Technology Fee</b>	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>Financial Aid Trust <sup>(4)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Non-Resident Undergraduate Online Tuition and Fees</b>	\$607	\$1,137	\$1,667	\$2,197	\$2,727	\$3,257	\$3,814	\$4,344	\$4,874	\$5,404	\$5,934	\$6,464	\$6,994	\$7,524	\$8,054	\$8,584	\$9,114	\$9,644

- (1) Students admitted to an ASU Online program are not billed the Student-initiated fee.
- (2) Effective for fall 2018, online tuition for resident students will be capped at 10 credit hours; however, online tuition for non-resident students is billed per credit hour with no cap.
- (3) Special Class fees are dependent on specific class enrollment. Fees are available online through Class Search [1].
- (4) The Financial Aid Trust fee is billed per session, but is not to exceed the seven-hour rate in a term.
- (5) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For online students, the excess hours tuition is \$106 per credit hour up to a maximum of \$1,272 for enrollment in 12 or more hours. Students should see students.asu.edu/tuition-surcharge [2] for additional information regarding the Undergraduate Excess Hours Tuition.
- (6) Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.
- (7) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2019-2020 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
- (8) Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college or program. Students should use the Tuition and Cost of Attendance Estimator [3] to review program-specific tuition and fees.

**Links:**

- [1] <https://webapp4.asu.edu/catalog/>
- [2] <https://students.asu.edu/tuition-surcharge>
- [3] <https://students.asu.edu/tuition>

**General Tuition & Fees**  
**Resident Undergraduate Degree Program**  
**Rural Community College-based Programs\***

<b>UNDERGRADUATE COLLEGE FEE 1</b>												
<b>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Resident Undergraduate Tuition and Fees</b>	\$437	\$719	\$1,001	\$1,283	\$1,565	\$1,847	\$2,171	\$2,453	\$2,735	\$3,017	\$3,297	\$3,297

<b>UNDERGRADUATE COLLEGE FEE 2</b>												
<b>Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability and Future of Innovation in Society</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213

<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Resident Undergraduate Tuition and Fees</b>	\$452	\$749	\$1,046	\$1,343	\$1,640	\$1,937	\$2,276	\$2,573	\$2,870	\$3,167	\$3,462	\$3,477

<b>UNDERGRADUATE COLLEGE FEE 3</b>												
<b>Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Resident Undergraduate Tuition and Fees</b>	\$492	\$829	\$1,166	\$1,503	\$1,840	\$2,177	\$2,556	\$2,893	\$3,230	\$3,567	\$3,902	\$3,957

<b>UNDERGRADUATE COLLEGE FEE 4</b>												
<b>Includes: Journalism, Engineering, The College sciences, Thunderbird and Business</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213

<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Resident Undergraduate Tuition and Fees</b>	\$512	\$869	\$1,226	\$1,763	\$1,940	\$2,297	\$2,696	\$3,053	\$3,410	\$3,767	\$4,122	\$4,197

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

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

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

<sup>(3)</sup> The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

<sup>(4)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2019-2020. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergradcommunitycollegebaseddegreepro>

**Links:**

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

**General Tuition & Fees**  
**Resident Undergraduate Degree Program**  
**ASU @ Lake Havasu**

<b>UNDERGRADUATE COLLEGE FEE 1</b>												
Includes: Education, New College humanities and social sciences, CISA humanities and social sciences												
	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Resident Undergraduate Tuition and Fees</b>	\$437	\$719	\$1,001	\$1,283	\$1,565	\$1,847	\$2,171	\$2,453	\$2,735	\$3,017	\$3,297	\$3,297

<b>UNDERGRADUATE COLLEGE FEE 2</b>												
Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability and Future of Innovation in Society												
	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	105	105	105	105	105
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84

<b>Total Resident Undergraduate Tuition and Fees</b>	\$452	\$749	\$1,046	\$1,343	\$1,640	\$1,937	\$2,276	\$2,558	\$2,840	\$3,122	\$3,402	\$3,402
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<b>UNDERGRADUATE COLLEGE FEE 3</b>												
<b>Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	385	385	385	385	385
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Resident Undergraduate Tuition and Fees</b>	\$492	\$829	\$1,166	\$1,503	\$1,840	\$2,177	\$2,556	\$2,838	\$3,120	\$3,402	\$3,682	\$3,682

<b>UNDERGRADUATE COLLEGE FEE 4</b>												
<b>Includes: Journalism, Engineering, The College sciences, Thunderbird and Business</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	525	525	525	525	525
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84

<b>Total Resident Undergraduate Tuition and Fees</b>	\$512	\$869	\$1,226	\$1,583	\$1,940	\$2,297	\$2,696	\$2,978	\$3,260	\$3,542	\$3,822	\$3,822
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(1) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is \$153 per credit hour up to a maximum of \$1,071 for enrollment in 7 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

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

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

(4) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2019-2020. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergradLHCdegreeproresident>

**Links:**

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

**General Tuition & Fees**  
**Non-Resident Undergraduate Degree Program**  
**ASU @ Lake Havasu**

<b>UNDERGRADUATE COLLEGE FEE 1</b>												
<b>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$591	\$1,011	\$1,431	\$1,851	\$2,271	\$2,691	\$3,111	\$3,531	\$3,951	\$4,371	\$4,791	\$5,184
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0

<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$633	\$1,053	\$1,473	\$1,893	\$2,313	\$2,733	\$3,195	\$3,615	\$4,035	\$4,455	\$4,875	\$5,268

<b>UNDERGRADUATE COLLEGE FEE 2</b>												
<b>Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability and Future of Innovation in Society</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$591	\$1,011	\$1,431	\$1,851	\$2,271	\$2,691	\$3,111	\$3,531	\$3,951	\$4,371	\$4,791	\$5,184
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$648	\$1,083	\$1,518	\$1,953	\$2,388	\$2,823	\$3,300	\$3,735	\$4,170	\$4,605	\$5,040	\$5,448

<b>UNDERGRADUATE COLLEGE FEE 3</b>												
<b>Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$591	\$1,011	\$1,431	\$1,851	\$2,271	\$2,691	\$3,111	\$3,531	\$3,951	\$4,371	\$4,791	\$5,184
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660



<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$688	\$1,163	\$1,638	\$2,113	\$2,588	\$3,063	\$3,580	\$4,055	\$4,530	\$5,005	\$5,480	\$5,928

<b>UNDERGRADUATE COLLEGE FEE 4</b>												
<b>Includes: Journalism, Engineering, The College sciences, Thunderbird and Business</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$591	\$1,011	\$1,431	\$1,851	\$2,271	\$2,691	\$3,111	\$3,531	\$3,951	\$4,371	\$4,791	\$5,184
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee <sup>(5)</sup></b>	42	42	42	42	42	42	84	84	84	84	84	84
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$708	\$1,203	\$1,698	\$2,193	\$2,688	\$3,183	\$3,720	\$4,215	\$4,710	\$5,205	\$5,700	\$6,168

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

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

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

(4) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2019-2020. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

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

Source URL: <https://catalog.asu.edu/tuitionandfees/fall19undergradLHCdegreeprononresident>

**Links:**

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

**General Tuition & Fees**

**Resident Undergraduate Degree Program  
The Polytechnic School, Freshmen and Sophomores\***

<b>UNDERGRADUATE COLLEGE FEE 1</b> Includes: Education, New College humanities and social sciences, CISA humanities and social sciences							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$846	\$1,535	\$2,224	\$2,913	\$3,602	\$4,291	\$5,134

<b>UNDERGRADUATE COLLEGE FEE 2</b> Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability and Future of Innovation in Society							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314

<b>Total Resident Undergraduate Tuition and Fees</b>	\$861	\$1,565	\$2,269	\$2,973	\$3,677	\$4,381	\$5,239
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<b>UNDERGRADUATE COLLEGE FEE 3</b> Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$901	\$1,645	\$2,389	\$3,133	\$3,877	\$4,621	\$5,519

<b>UNDERGRADUATE COLLEGE FEE 4</b> Includes: Journalism, Engineering, The College sciences, Thunderbird and Business							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$921	\$1,685	\$2,449	\$3,213	\$3,977	\$4,741	\$5,659

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

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

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

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

(4) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2019-2020 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergradpolyugtsfreshsophresident>

**Links:**

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

**General Tuition & Fees**  
**Non-Resident Undergraduate Degree Program**  
**The Polytechnic School, Freshmen and Sophomores\***

<b>UNDERGRADUATE COLLEGE FEE 1</b>												
<b>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314

<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,237	\$2,317	\$3,397	\$4,477	\$5,557	\$6,637	\$7,874	\$8,954	\$10,034	\$11,114	\$12,194	\$13,274
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<b>UNDERGRADUATE COLLEGE FEE 2</b>												
<b>Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability, and Future of Innovation in Society</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,252	\$2,347	\$3,442	\$4,537	\$5,632	\$6,727	\$7,979	\$9,074	\$10,169	\$11,264	\$12,359	\$13,454

<b>UNDERGRADUATE COLLEGE FEE 3</b>												
<b>Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314

<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,292	\$2,427	\$3,562	\$4,697	\$5,832	\$6,967	\$8,259	\$9,394	\$10,529	\$11,664	\$12,799	\$13,934
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<b>UNDERGRADUATE COLLEGE FEE 4</b>												
<b>Includes: Journalism, Engineering, The College sciences, Thunderbird and Business</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,312	\$2,467	\$3,622	\$4,777	\$5,932	\$7,087	\$8,399	\$9,554	\$10,709	\$11,864	\$13,019	\$14,174

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

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

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

<sup>(3)</sup> The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

<sup>(4)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2019-2020 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

<sup>(5)</sup> ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and

Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergradpolyugtsfreshsophonres>

**Links:**

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

**General Tuition & Fees**  
**International Undergraduate Degree Program**  
**The Polytechnic School, Freshmen and Sophomores\***

<b>UNDERGRADUATE COLLEGE FEE 1</b>												
Includes: Education, New College humanities and social sciences, CISA humanities and social sciences												
	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,327	\$2,497	\$3,667	\$4,837	\$6,007	\$7,177	\$8,504	\$9,674	\$10,844	\$12,014	\$13,184	\$14,354

**UNDERGRADUATE COLLEGE FEE 2**

**Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability, and Future of Innovation in Society**

	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,342	\$2,527	\$3,712	\$4,897	\$6,082	\$7,267	\$8,609	\$9,794	\$10,979	\$12,164	\$13,349	\$14,534

**UNDERGRADUATE COLLEGE FEE 3**

**Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation**

	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee <sup>(5)</sup></b>	152	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,382	\$2,607	\$3,832	\$5,057	\$6,282	\$7,507	\$8,889	\$10,114	\$11,339	\$12,564	\$13,789	\$15,014



<b>UNDERGRADUATE COLLEGE FEE 4</b>												
<b>Includes: Journalism, Engineering, The College sciences, Thunderbird, and Business</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,402	\$2,647	\$3,892	\$5,137	\$6,382	\$7,627	\$9,029	\$10,274	\$11,519	\$12,764	\$14,009	\$15,254

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

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

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

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

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergradpolyugtsfreshsophinternational>

**Links:**[1] <https://students.asu.edu/tuition-surcharge>**General Tuition & Fees****Resident Undergraduate Degree Program  
New College of Interdisciplinary Arts and Sciences  
Freshman & Sophomores\***

<b>UNDERGRADUATE COLLEGE FEE 1</b> Includes: Education, New College humanities and social sciences, CISA humanities and social sciences							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$846	\$1,535	\$2,224	\$2,913	\$3,602	\$4,291	\$5,134

<b>UNDERGRADUATE COLLEGE FEE 2</b> Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability, and Future of Innovation in Society							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$861	\$1,565	\$2,269	\$2,973	\$3,677	\$4,381	\$5,239

<b>UNDERGRADUATE COLLEGE FEE 3</b> Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$901	\$1,645	\$2,389	\$3,133	\$3,877	\$4,621	\$5,519

<b>UNDERGRADUATE COLLEGE FEE 4</b> Includes: Journalism, Engineering, The College sciences, Thunderbird and Business							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314
<b>Total Resident Undergraduate Tuition and Fees</b>	\$921	\$1,685	\$2,449	\$3,213	\$3,977	\$4,741	\$5,659

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

<sup>(1)</sup> Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is \$153 per credit hour up to

a maximum of \$1,071 for enrollment in 7 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

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

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

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergradwestugasfrshsoph>

**Links:**

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

**General Tuition & Fees**  
**Non-Resident Undergraduate Degree Program**  
**New College of Interdisciplinary Arts and Sciences**  
**Freshmen and Sophomores\***

<b>UNDERGRADUATE COLLEGE FEE 1</b>												
<b>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,237	\$2,317	\$3,397	\$4,477	\$5,557	\$6,637	\$7,874	\$8,954	\$10,034	\$11,114	\$12,194	\$13,274

**UNDERGRADUATE COLLEGE FEE 2**

**Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability, and Future of Innovation in Society**

	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,252	\$2,347	\$3,442	\$4,537	\$5,632	\$6,727	\$7,979	\$9,074	\$10,169	\$11,264	\$12,359	\$13,454

**UNDERGRADUATE COLLEGE FEE 3**

**Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation**

	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,292	\$2,427	\$3,562	\$4,697	\$5,832	\$6,967	\$8,259	\$9,394	\$10,529	\$11,664	\$12,799	\$13,934

<b>UNDERGRADUATE COLLEGE FEE 4</b>												
<b>Includes: Journalism, Engineering, The College sciences, Thunderbird and Business</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,312	\$2,467	\$3,622	\$4,777	\$5,932	\$7,087	\$8,399	\$9,554	\$10,709	\$11,864	\$13,019	\$14,174

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

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

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

<sup>(3)</sup> The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

<sup>(4)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2019-2020 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergradwestugasfrshsophonres>

**Links:**

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

**General Tuition & Fees**  
**International Undergraduate Degree Program**  
**New College of Interdisciplinary Arts and Sciences**  
**Freshmen and Sophomores\***

<b>UNDERGRADUATE COLLEGE FEE 1</b>												
<b>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,327	\$2,497	\$3,667	\$4,837	\$6,007	\$7,177	\$8,504	\$9,674	\$10,844	\$12,014	\$13,184	\$14,354

<b>UNDERGRADUATE COLLEGE FEE 2</b>												
<b>Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Sustainability, and Future of Innovation in Society</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040

<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,342	\$2,527	\$3,712	\$4,897	\$6,082	\$7,267	\$8,609	\$9,794	\$10,979	\$12,164	\$13,349	\$14,534

<b>UNDERGRADUATE COLLEGE FEE 3</b> Includes: Health Solutions, Design and the Arts, and Nursing and Health Innovation												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee <sup>(5)</sup></b>	152	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,382	\$2,607	\$3,832	\$5,057	\$6,282	\$7,507	\$8,889	\$10,114	\$11,339	\$12,564	\$13,789	\$15,014

<b>UNDERGRADUATE COLLEGE FEE 4</b> Includes: Journalism, Engineering, The College sciences, Thunderbird, and Business												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040



<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee <sup>(5)</sup></b>	157	157	157	157	157	157	314	314	314	314	314	314
<b>Total International Undergraduate Tuition and Fees</b>	\$1,402	\$2,647	\$3,892	\$5,137	\$6,382	\$7,627	\$9,029	\$10,274	\$11,519	\$12,764	\$14,009	\$15,254

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

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

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

<sup>(3)</sup> The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering professional flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

<sup>(4)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2019-2020 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

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

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19undergradwestugasfrshsophintl>

**Links:**

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

**General Tuition & Fees**  
**Graduate Degree Program**  
**All Residencies**

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

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

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

<sup>(1)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2019-2020 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

<sup>(2)</sup> Certain graduate programs are assessed differential tuition or program fees, depending on the college or program. Use the Tuition and Cost of Attendance Estimator [1] to review program specific tuition and fees.

<sup>(3)</sup> ASU's government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

<sup>(4)</sup> The Graduate Student Support fee helps fund resources and services that support graduate students, including technology resources and services, instructional and laboratory expenses in departments and schools, and graduate student services. Students enrolled in one continuing registration course credit will be charged a reduced rate of \$50.00

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall19graduate>

**Links:**

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

**General Tuition & Fees**  
**Graduate Degree Program**  
**Online Campus**

RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Resident Graduate Online Tuition</b>	\$532	\$1,064	\$1,596	\$2,128	\$2,660	\$3,192	\$3,724	\$4,256	\$4,788	\$5,320	\$5,852	\$5,860	\$5,860	\$5,860	\$5,860	\$5,860	\$5,860	\$5,860
<b>Technology Fee</b>	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>Financial Aid Trust <sup>(4)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Resident Graduate Online Tuition &amp; Fees</b>	\$609	\$1,141	\$1,673	\$2,205	\$2,737	\$3,269	\$3,828	\$4,360	\$4,892	\$5,424	\$5,956	\$5,964	\$5,964	\$5,964	\$5,964	\$5,964	\$5,964	\$5,964

NON-RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Non-Resident Graduate Online Tuition</b>	\$532	\$1,064	\$1,596	\$2,128	\$2,660	\$3,192	\$3,724	\$4,256	\$4,788	\$5,320	\$5,852	\$6,384	\$6,916	\$7,448	\$7,980	\$8,512	\$9,044	\$9,576
<b>Technology Fee</b>	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>Financial Aid Trust <sup>(4)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Non-Resident Graduate Online Tuition &amp; Fees</b>	\$609	\$1,141	\$1,673	\$2,205	\$2,737	\$3,269	\$3,828	\$4,360	\$4,892	\$5,424	\$5,956	\$6,488	\$7,020	\$7,552	\$8,084	\$8,616	\$9,148	\$9,680

<sup>(1)</sup> Students admitted to an ASU Online program are not billed the Student-initiated fee.

<sup>(2)</sup> Effective for fall 2018, online tuition for resident students will be capped at 11 credit hours; however, online tuition for non-resident students is billed per credit hour with no cap.

<sup>(3)</sup> Special Class fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search [1].

- (4) The Financial Aid Trust fee is billed per session, but is not to exceed the seven-hour rate in a term.
- (5) Students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on the excess hours. For resident and non-resident students, the excess hours tuition rate is \$106 per credit hour. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [2] for additional information regarding the Undergraduate Excess Hours Tuition.
- (6) Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.
- (7) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
- (8) Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college or program. Students should use the Tuition and Cost of Attendance Estimator [3] to review program-specific tuition and fees.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/Fall19Grad-PostBaccOnline>

**Links:**

- [1] <https://webapp4.asu.edu/catalog/>  
[2] <https://students.asu.edu/tuition-surcharge>  
[3] <https://students.asu.edu/tuition>



# Registration & Tuition Payment Guide

**Fall 2019**

Distributed by:  
University Registrar Services

Revised 03/06/2019

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### Important Reminder

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

## Semester Calendar - Fall 2019

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

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

**Session A: Thursday 8/22/2019–Friday 10/11/2019**  
**Session B: Wednesday 10/16/2019–Friday 12/6/2019**  
**Session C: Thursday 8/22/2019–Friday 12/6/2019 (Final exams 12/9/2019–12/14/2019)**

Schedule of Classes Available	February 18, 2019		
Registration and Tuition Guide Available	February 18, 2019		
Registration Dates Begin	February 21, 2019		
\$50.00 Late Registration Fee Begins (does not apply to ASU Online students)	Session A August 14, 2019	Session B October 8, 2019	Session C August 14, 2019
Classes Begin	Session A August 22, 2019	Session B October 16, 2019	Session C August 22, 2019
<u>Academic Status Reports</u> – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in MyASU within 24 hours after each weekly reporting period closes on Sunday.	Session A Aug 22-Sept 29, 2019	Session B Oct 16-Nov 24, 2019	Session C Aug 22-Nov 24, 2019
Residency Classification Petition Deadline	August 28, 2019		
Last day to register or drop/add without college approval	Session A August 23, 2019	Session B October 17, 2019	Session C August 28, 2019
<u>Tuition Fee Payment Deadline</u> –For registration through 8/15/19 For more information see <a href="http://students.asu.edu/tuitiondeadlines">http://students.asu.edu/tuitiondeadlines</a>	August 25, 2019		
<u>Tuition &amp; Fees 100% Refund Deadline</u> – For more information see <a href="http://students.asu.edu/tuitionrefundpolicy">http://students.asu.edu/tuitionrefundpolicy</a>	Session A August 28, 2019	Session B October 22, 2019	Session C September 3, 2019
Labor Day Holiday Observed <b>Classes excused/University closed</b>	September 2, 2019		
University 21 <sup>st</sup> Day	Session A September 11, 2019	Session B November 5, 2019	Session C September 11, 2019
<u>Tuition Fee Payment Deadline</u> –For registration from 8/16/19 through 9/18/19. For more information see <a href="http://students.asu.edu/tuitiondeadlines">http://students.asu.edu/tuitiondeadlines</a>	September 25, 2019		
Deadline to Apply for Graduation	October 1, 2019		
Fall Break <b>Classes excused/University open</b>	October 12–October 15, 2019		
<u>Tuition Fee Payment Deadline</u> –For registration from 9/19/19 through 10/18/19. For more information see <a href="http://students.asu.edu/tuitiondeadlines">http://students.asu.edu/tuitiondeadlines</a>	October 25, 2019		



## Semester Calendar (continued) - Spring 2019

Session A: Thursday 8/22/2019–Friday 10/11/2019 Session B: Wednesday 10/16/2019–Friday 12/6/2019 Session C: Thursday 8/22/2019–Friday 12/6/2019 (Final exams 12/9/2019–12/14/2019)			
Course Withdrawal Deadline	Session A September 11, 2019	Session B November 5, 2019	Session C November 6, 2019
Veterans Day Observed <i>Classes excused/University closed</i>	November 11, 2019		
Thanksgiving Holiday Observed <i>Classes excused/University closed</i>	November 28-29, 2019		
<u>Complete Session Withdrawal Deadline</u> As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school for facilitate the withdrawal process. For more information, see <a href="https://students.asu.edu/forms/withdrawal">https://students.asu.edu/forms/withdrawal</a>	Session A October 11, 2019	Session B December 6, 2019	Session C December 6, 2019
Classes End/ Last Day to Process Transactions	Session A October 11, 2019	Session B December 6, 2019	Session C December 6, 2019
Study Days	Session A N/A	Session B N/A	Session C December 7-8, 2019
Final Exams	Session A Last day of classes	Session B Last day of classes	Session C December 9-14, 2019
Final Grades Due	Session A October 14, 2019	Session B December 9-16, 2019	Session C December 9-16, 2019
Commencement Ceremony - (Graduate and Undergraduate) <a href="https://graduation.asu.edu/">https://graduation.asu.edu/</a>	December 16, 2019		
Degree Conferral Date	December 16, 2019		
Grade Replacement/Academic Standing Processing	December 17-18, 2019		
Holiday Break <i>Classes excused/University closed</i>	December 24-25, 2019		

\* See Residential Life for designated move in dates.

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

\*\*\* Classes start on Thursday 8/22/2019 in order to fully comply with ABOR contract hour requirements

## Admission and Registration

### Admission/Readmission

#### Undergraduate admission/readmission:

[admission.asu.edu/freshman](https://admission.asu.edu/freshman)  
[admission.asu.edu/transfer](https://admission.asu.edu/transfer)

#### Graduate admission/readmission:

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

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

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

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

#### Nondegree undergraduate admission:

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

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

#### Nondegree graduate admission:

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

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

### Registration Procedures Overview

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

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

Step 5: Search for available classes using the Class Search at [my.asu.edu](https://my.asu.edu).

Step 6: Register for classes at [my.asu.edu](https://my.asu.edu) or in person at any registrar location <https://students.asu.edu/contact/office-university-registrar>

Step 7: Pay tuition. If you do not have adequate financial aid to cover tuition costs, and if you do not pay tuition by the applicable deadline, you will be enrolled in the ASU Payment Plan and assessed a non-refundable \$100 resident/\$200 non-resident enrollment fee.

\*Students may register for Fall 2019, February 21, 2019 through August 23 2019 for Session A, August 28, 2019 for session C, and October 17, 2019 for Session B. However, a \$50 late registration fee is charged beginning TBD for Session's A and C and TBD for Session B. This fee does not apply to ASU online students.

### Registration/Enrollment General Information

#### Registration Dates

All students are assigned an online **registration date** which will permit registration for the Fall 2019 semester. Students should log into My ASU to view their registration date as soon as possible.

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

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

#### Building Your Class Schedule

ASU's registration system will allow you to search the Schedule of Classes/Class Search and build a Fall class registration request. You can save that plan (shopping cart) and then later return to it. When you return, you will be able to see if the class status has changed since you built and saved the plan. You can view the online Schedule of Classes/Class Search via My ASU ([my.asu.edu](https://my.asu.edu)). The Fall 2019 Schedule of Classes is available February 18, 2019.

## Registration, cont.

### Submitting Your Registration Request

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

### Drop/Add

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

### Swap

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

### Registration Holds

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

### To Dos

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

### Registration Locations

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
Student Services Bldg, Room 140	University Center Bldg, Room 120	Administration Bldg	University Center Bldg, Room 166
480.965.3124	602.543.8203	480.727.1142	602.496.4372
Monday - Friday 8:00am - 5:00pm			
<p><b>Offices are closed in observance of the following holidays:</b></p> <p>Labor Day—September 2, 2019                      Veteran's Day—November 11, 2019                      Thanksgiving—November 28-29, 2019                      Holiday Break—December 24-25, 2019</p>			

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

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

### Measles Immunization Policy

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

One of the following may be used as documentation:

- Documentation of two MMR vaccines (one of which must be dated after 1979), first dose given at 12 months or older and the second dose given at least 28 days apart.

## Registration, cont.

### Measles Immunization Policy, Cont.

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

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

#### Mail, Fax or Email to:

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

### Advising

Admitted students have an academic advising team that assists them in setting personal and academic goals, understanding policies and creating strategies for staying on track towards graduation. Undergraduate students should contact an academic advisor in the college or school of their major for advising and information about their academic program and curricular requirements. Many programs require academic advisement prior to registration for classes.

Students may visit MyASU to learn their current academic advising office assignment, and for information on how to make an appointment with an advisor. For additional information regarding general academic advising for all ASU departments visit <https://students.asu.edu/academics>

### Instructor-Initiated Drop Option

The instructor of a course has full authority within departmental or other higher-level policies to decide whether or not class attendance is required. During the second week of classes in Fall or Spring, or the first four days of each Summer Session, the instructor can drop a student for non-attendance. In classes which are full, this will allow accommodation of other students requesting the class and help instructors avoid excessive

overrides. Instructor-initiated drops for non-attendance must be based upon concrete evidence of non-attendance and be signed by the Dean or Dean's Designee in the college offering the course. The college will notify the student by mail at the student's currently posted local address. Nothing in this policy contradicts any other policy regarding attendance, religious holidays, or the student's responsibility to notify the instructor in case of absences.

**Note: Students should be aware that non-attendance will not automatically result in being dropped.** Instructors have the right to exercise this option at their discretion. It is also the student's responsibility to contact the instructor before the end of the first week of classes if absences during that period cannot be avoided.

### Withdrawal Policy

#### Course Withdrawal

After the drop/add period and up to September 11, 2019 for Session A, November 5, 2019 for Session B and November 6, 2019 for Session C, a student may withdraw from any course with a grade of "W". Withdrawals may be initiated online using My ASU or in person at any registration site. Courses with alternate begin and end dates may have an adjusted withdrawal schedule. Courses from which the student withdraws will remain on the student's transcript with a grade of "W". Any appropriate refunds are issued based on the published Refund Schedule and the date of the withdrawal. To determine whether you will be eligible for a refund after withdrawing, contact Student Accounts at 1-855-278-5080. It is the student's responsibility to initiate a withdrawal if unable to attend a class. Failure to do so will result in a grade of "E" being assigned for the class. Although students who do not attend class during the first week of a term may be administratively dropped from the class, such withdrawal is at the discretion of the instructor. In special circumstances, a medical withdrawal or academic record change may be authorized by the Dean of an academic unit if the student petitions for the change and presents documentation of reasons for being unable to attend the class. Please note academic record changes can only be requested after the semester has ended. It is the student's responsibility to petition for such change if appropriate.

#### Complete Withdrawal

A student may withdraw from all of his or her classes (the student will no longer be enrolled in any classes for the specified semester) through the transaction deadline or the last day of classes for

## Registration, cont.

any semester. A grade of “W” is awarded for each class from which the student withdraws. The complete withdrawal deadline is October 11, 2019 for Session A, and December 6, 2019 for Sessions B and C. Beginning the first date of the semester, undergraduate students are required to request a complete withdrawal in person. Making a complete withdrawal from the University is a difficult decision, and ASU has many resources in place to help. Because there may be serious academic and financial consequences to processing a complete withdrawal, you should view complete withdrawal as a final resort. You are encouraged to meet with your academic advisor to explore alternatives.

**Note: A student may not avoid any penalty for academic dishonesty by withdrawing from a course. A student may be reinstated to a course to receive a penalty of a reduced or failing grade, or XE. Remember:** If you have financial aid or scholarships, be sure you understand minimum credit hour requirements for maintaining those awards.

### Military Withdrawal

To completely withdraw due to military activation, immediately contact the Pat Tillman Veterans Center. For all campuses, email the Military Advocate at [MilitaryAdvocate@asu.edu](mailto:MilitaryAdvocate@asu.edu) to determine whether the call to active duty qualifies for [ASU's Military Activation Policy](#). For example, students reporting to “boot camp” or required training may not qualify for this policy. Students who qualify will receive some regulatory relief in the recalculation of financial aid and the calculation of tuition and fee charges. Students are also given options regarding their academic records, e.g., complete withdrawal, incomplete grades, etc.

### Financial Assistance Withdrawal Policy

Circumstances may necessitate complete withdrawal from the University. For financial aid, a complete withdrawal from the full term or any individual session can affect financial aid eligibility. The outcome of a complete withdrawal on your financial aid depends on when the complete withdrawal is initiated and the types of financial aid you received. In all cases, Financial Aid and Scholarship Services must calculate a “Return of Title IV Funds” to determine if you were enrolled long enough to keep the aid paid to you. Any time you stop your enrollment (i.e., withdraw, drop, stop participating in classes or receive a combination of all EN, E or W grades in a session or term) before the end of the term, you may need to return some of the financial aid you received. Please note that federal and institutional financial aid will be reduced/canceled, excluding Federal Work Study and Employee waivers, for course credits assigned an EN grade ([failure to participate](#)).

If you are considering withdrawing, please contact [Financial Aid and Scholarship Services](#) and request to speak with a financial aid counselor to understand the impact on your financial aid. Be sure to review [Withdrawing as a Financial Aid Recipient](#) for more information.

### Official Complete Withdrawal

Federal regulations require the recalculation of Title IV financial aid in cases where a student received financial aid and officially withdrew on or before the point which 60% of the semester has lapsed. If a return of aid is required, ASU returns the unearned portion of Title IV financial aid funds to the Federal Programs on behalf of the student. Any return of financial aid funds made by the University will be charged to the student's University account. Payment to the University will be due on demand. Title IV funds include the Federal Pell Grant, the Federal Supplemental Educational Opportunity Grant (FSEOG), the Federal Perkins Loan, the Leveraging Educational Assistance Partnership (LEAP), the Academic Competitiveness Grant (ACG), the Science and Mathematics Access to Retain Talent Grant (SMART), the Federal Teach Grant, the Iraq and Afghanistan Service Grant, the Federal Direct Subsidized and Unsubsidized Student Loans and the Federal PLUS Loan. Federal Work Study earnings and non-Title IV aid are not included in this formula. However, the student may not continue to work under the Federal Work Study program after their official date of withdrawal.

## University Testing Requirements

All new, transfer, or readmitted undergraduate students must meet one of the following testing requirements:

- Take the ACT English, SAT verbal examination, WritePlacer Plus section of the ACCUPLACER, TOEFL (Test of English as a Foreign Language), IELTS (International English Language Testing System), or PTEA (Pearson Test of English Academic) and have scores submitted to ASU.
- Receive a score of 4 or 5 for the advanced placement examination in English offered by the College Entrance Examination Board and have scores submitted to ASU.
- Take the CLEP College Composition exam, earning a score of 50 that qualifies for placement into ENG 105 and elective credit (3). ENG 101 (3) for students who already have credit for ENG 102.
- Have previously taken or be currently enrolled in WAC101, WAC107, ENG101, ENG102, ENG105, ENG107, or ENG108 at ASU. If the course was taken at ASU before 1980, contact the Records and Enrollment Services Office in SSV140 or at 480.965.3124, before registering for classes.
- Transfer a course equivalent to ENG101, ENG102, ENG105, ENG107, or ENG108 with a grade of “C” (2.00) or higher.

An official transcript showing the grade must be received by ASU.



## Registration, cont.

The evaluations of transfer English courses at Arizona State University has been centralized and all evaluations will be processed through the new Transfer Credit Guide. All transfer students should visit [www.asu.edu/transfercredit](http://www.asu.edu/transfercredit) to request an evaluation of transfer course work. Any questions regarding the evaluation process should be sent to [articulation@asu.edu](mailto:articulation@asu.edu).

### Placement Exams

#### A. First-Year Composition

Placement in First-Year Composition courses (WAC101 or WAC107 followed by ENG101 or ENG107 the next semester, or ENG101, ENG105, or ENG 107) is determined by the score earned on the ACT English, SAT Verbal Exam, Accuplacer, TOEFL, IELTS, or PTEA exam (see table). Multilingual students are not required to take multilingual sections of first-year composition courses (WAC107, ENG107, and ENG108). They have the option of taking mainstream composition courses (WAC101, ENG101, and ENG102). If students enter the university without taking an acceptable placement exam, the Accuplacer may be taken on campus at the University Testing and Scanning Services, located at 1130 E. University Dr. Suite 204 in Tempe, at regularly scheduled times. Contact the UTSS at 480.965.7146 to make an appointment.

Multilingual students who have taken the IELTS or PTEA exam should contact the Writing Programs Office at [writingprograms@asu.edu](mailto:writingprograms@asu.edu) or 480-965-3853 for assistance with registration.

Students who have taken the Advanced Placement Exam in English offered by the College Entrance Examination Board, the International Baccalaureate English A Exam, or the CLEP College Composition Exam, should visit the Credit by Exam Search section of the Transfer Credit Guide at <https://webapp4.asu.edu/transfercreditguide/app/searchbyexam> or information about placement into first-year composition courses.

#### B. Mathematics Course Placement Exams

Arizona State University requires the **Math Placement Test** to assess a student's prerequisite knowledge for placement into several mathematics courses up to and including first semester calculus. The instrument used for testing is a powerful assessment tool with artificial intelligence that zeros in on the strengths and weaknesses of a student's mathematical knowledge, reports placement score to the student and then, if necessary, provides

the student with a learning environment for bringing this knowledge up to an appropriate level for the desired course

Placement in First-Year Composition will be determined as follows:	
Exam Score:	Register For:
SAT Verbal 460 and below	WAC101 or WAC107
SAT Read/Wrote 510 and below	WAC 101 or WAC 107
ACT English 18 and below	WAC101 or WAC107
TOEFL 550PBT / 213CBT / 79iBT and below	WAC107
IELTS 6.0 and below	WAC 107
PTEA 56 and below	WAC 107
SAT Verbal 470-610	ENG101 or ENG107
SAT Read/Write 520-650	ENG 101 or ENG 107
ACT English 19-25	ENG101 or ENG107
TOEFL 560PBT / 220CBT / 83iBT and above	ENG101 or ENG107
IELTS 6.5 and above	ENG 107
PTEA 56 and above	ENG 107
SAT Verbal 620 and above	ENG105
SAT Read/Write 660 or above	ENG 105
ACT English 26 and above	ENG105
Accuplacer score 4 or below	WAC101 or WAC107
Accuplacer score 5, 6, or 7	ENG101 or ENG107
Accuplacer score 8	ENG 105

placement by retaking the Math Placement Test.

All incoming students must complete the **Math Placement Test** prior to enrollment unless they have transferred an equivalent prerequisite course. The time limit to finish the assessment is 2 hours.

## Registration, cont.

### Veterans Educational Benefits

Veterans and eligible dependents must apply for veterans educational benefits and then verify their status with the Pat Tillman Veterans Center as soon as possible with each new semester. Distance Learning classes have veterans education benefit restrictions. Veterans cannot collect benefits for audited classes.

All Campuses
Pat Tillman Veterans Center Tempe Campus Memorial Union, Lower Level, Room 75
480.965.7723

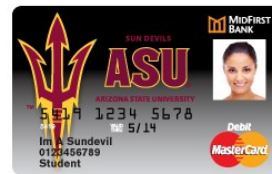
### Student Identification

#### ASU Sun Devil Card Services

Arizona State University requires all on-campus and extended campus students to obtain an official ASU ID card. Online students are required to have an approved photo on file with Sun Devil Card Services. On-campus students may choose between the Pitchfork ID Card offered by MidFirst Bank<sup>1</sup> or the basic Sun Card. The Pitchfork ID Card is an official ASU student photo ID and a Visa check card linked to a Sun Devil checking account. Both the Pitchfork ID Card and the basic Sun Card act as official university IDs and cost \$25\*, which may be paid with MasterCard®, Visa® or through the student’s university account. As proof of identity, students need their ten-digit ASU ID number and a legal photo ID – driver’s license, military ID, passport, etc. – to obtain their ID card. Email [sundeilcardinfo@asu.edu](mailto:sundeilcardinfo@asu.edu) or visit [cardservices.asu.edu](http://cardservices.asu.edu) for more information. Both the Pitchfork ID Card and the basic Sun Card contain an iCLASS® chip that allows easy access into classrooms and residence halls without the use of a key.

Do not punch holes in your card, or you will damage your card’s functionality.

The Pitchfork ID Card and the basic Sun Card can both be used for a variety of services.



Card Uses	Pitchfork ID MasterCard®	Basic Sun Card
Official ASU Student ID	*	*
Access to secure buildings	*	*
Access for meal plans**	*	*
Access for Maroon & Gold Dollars**	*	*
Access to Sun Devil Fitness Complexes	*	*
Access to academic advising	*	*
Access for exam identification	*	*
Access to library and check out	*	*
Accepted at Visa® locations worldwide	*	
Pay for campus health services	*	
Pay for campus parking services	*	
Pay for Sun Devil Campus Stores items	*	
Comes with Sun Devil checking   Free to ASU students	*	
Free ATMs nationwide, including MidFirst ATMs on campus	*	

\*The \$25 fee for your card was included in your enrollment deposit. If you need to replace your Pitchfork ID Card or basic Sun Card, a \$25 fee will apply. All rules for obtaining a replacement ID card may be found at [carservices.asu.edu](http://carservices.asu.edu).

\*\* Maroon and Gold Dollars and meal plans are administered by Sun Devil Dining. Call 480-727-DINE (3463) or visit [sundeildining.com](http://sundeildining.com)

<sup>1</sup>Member FDIC

# Tuition and Fees

## Admission Application Fees

Admission application fees are nonrefundable and must be paid at the time of application. These fees are subject to change.

## Fall 2019 General Tuition\*

General tuition, program-specific tuition, special class fees and mandatory registration fees are set annually by the Arizona Board of Regents. Visit the following websites for more information.

- General tuition and mandatory registration fee information— [Tuition and Fees](#)
- Program-specific information— [ASU cost Calculator](#)

Special class fees can be viewed online at the time of class registration

By registering for classes you agree to pay all applicable tuition and registration fees.

\*All amounts presented in any University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors.

## Tuition Billing

Tuition charges will be billed on your student account and may be viewed online through [My ASU](#) after registration. From My ASU, select the “Finances” link on the upper left side.

**By registering for classes you agree to pay all applicable tuition and registration fees.**

If tuition is not paid by the applicable tuition due date, or financial aid is not awarded and accepted by the due date, you will be automatically enrolled in the ASU Payment Plan and charged a non-refundable enrollment fee of \$100 for resident students and \$200 for non-resident students. For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no action is necessary. For students with accepted financial aid insufficient to cover tuition charges, payment in full is required by the due date to avoid automatic enrollment in the ASU Payment Plan. Refer to [Tuition and Billing Calendar](#) for your specific tuition payment due date.

## Online Billing

Online billing provides reliable and secure access to billing statements any time of day from anywhere in the world along with immediate access to current account information. To view and pay your charges, login to [My ASU](#), select the link “Finances” on the upper left side, then click “Make a Payment”. Online billing statements are also available through QuikPAY by clicking “View Account”. Students are responsible to review their ASU e-mail account for notification of billing statements and to login to their student account on My ASU for current billing information. **Billing statements are not mailed.**

Students may authorize others to view and pay their ASU student account through QuikPAY. Log in to [My ASU](#), select the “Finances” link on the upper left side, then click “Make a Payment”. Once directed to QuikPAY select Authorized Payers from the left windowpane and enter the requested information for each person to be authorized on the account. Authorized Payers must have a valid email account.

## eCheck Payments

eChecks are ASU’s preferred payment method and are accepted online with no service charge or additional cost to the student. Make eCheck payments on QuikPAY by logging in to My ASU ([my.asu.edu](http://my.asu.edu)), select the “Finances” link on the upper left side, then click “Make a Payment” to be directed to the online payment processor. eChecks are a fast and simple payment method that can be made from regular U.S. checking and savings accounts in U.S. dollars. Checks issued from money market accounts, credit card companies, mutual funds, brokerage accounts, home equity or other lines of credit cannot be processed as an eCheck. Additional information is available at [Payment Options](#).



# Tuition and Fees, cont.

## Credit Card Payments

ASU does not directly accept credit or debit card payments for tuition or other student account charges. The University has arranged for a third-party processor to accept Visa, MasterCard, Discover, and American Express credit and debit card payments online. The processor will charge a 2.4% service fee for credit and debit card payments in addition to the ASU payment amount. The service fee is not paid to ASU and is non-refundable, even if related payment to ASU is refunded. Credit and debit card payments may be made on QuikPAY by logging in to My ASU [My ASU](#). Click on the “Finances” link on the upper left side, then click “Make a Payment” to be directed to the online payment processor. Credit and debit card payments are not accepted by mail, in person, or over the phone.

## International Payments

ASU has partnered with Flywire to offer a streamlined and cost effective payment method for you to make international payments to ASU through QuikPAY. Initiate your international wire transfer payment at least one week before the applicable due date to ensure timely receipt.

## Personal Checks

Checks payable to Arizona State University and without restrictive endorsement are generally acceptable. Mail checks to Cashiering Services, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303. Include your ASU ID number. Check payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the ASU Payment Plan. Check payments are also accepted in person at all campuses. **See Tuition Hours and Locations on page 14.**

## Residency Classification

Residency (tuition) status is determined at the time a student submits an application for admission to the University. Non-resident students who feel they qualify for resident tuition status must submit a completed residency petition no later than the last day of regular registration. For general information about the residency requirements, consult the ASU General Catalog or the web at [students.asu.edu/residency](http://students.asu.edu/residency). The residency petition is a complex process and you are encouraged to petition early. You are advised to submit the online residency petition, required supporting documentation, and your receipt for the \$50.00 non-refundable petition fee to the Residency Classification Office by the appropriate deadline date. The deadline for submitting a residency petition for Fall 2019 is August 28, 2019. Failure to petition by this deadline constitutes a waiver of the student’s rights for requesting residency reclassification or appeal for the current semester.

## Citizenship or Lawful Presence Requirement

Arizona law requires that students who are seeking consideration for in-state tuition status or aid that is funded in part or in whole by state money to provide verification of citizenship, permanent residency or other lawful immigration status. Most students will be able to be verified through automatic processes such as the financial aid application ([FAFSA](#)). Students choosing to go through the FAFSA process should be verified no later than the beginning of July for the Fall term, December for the Spring term and May for the summer term. If the FAFSA has not cleared the verification requirement by the recommended month it is highly possible that documentation is still required.

## Veterans Educational Benefits

Veterans and eligible dependents must apply for veterans educational benefits and then verify their status with the Pat Tillman Veterans Center as soon as possible with each new semester. Distance Learning classes have veterans education benefit restrictions. Veterans cannot collect benefits for audited classes.

All Campuses
Pat Tillman Veterans Center Tempe Campus Memorial Union Lower Level, Room 75
480.965.7723

## Tuition and Fees, cont.

### ASU Payment Plan

The ASU Payment Plan provides students with the option to budget payment of certain eligible university charges over several months. Eligible charges are tuition, housing, meal plan, parking decals and health insurance. Students may enroll themselves in the plan through [My ASU](#) or they will be automatically enrolled if tuition charges are not paid in full by the applicable due date. There is a per-semester non-refundable fee of \$100 for resident students and \$200 for non-resident students. For additional information, please visit [ASU Payment Plan](#). Please note, the enrollment fee is non-refundable, even if the student withdraws from classes.

All students are eligible to enroll in the ASU Payment Plan after they register for classes. Once a student enrolls for classes, he or she will not be withdrawn from classes during the current semester for non-payment. Students must withdraw from classes if they decide not to attend. If students enrolled in the plan do not make scheduled payments, monthly late fees will be assessed until the account is brought current on payments, registration in future semesters will be blocked, and access to other University services, such as official transcripts and diplomas, will be withheld.

### Tuition Payment with Financial Aid

Financial aid is posted to your student account and used to pay tuition and other student account charges, with any excess financial aid immediately refunded to you. Any institutional charges incurred after financial aid disbursement are the student's responsibility to pay by the due date. Financial aid awards generally only pay charges in the semester for which the aid is intended, and you may be refunded excess financial aid for one semester and still have a balance owed for another semester. If you receive a refund, ensure that all charges have been paid by logging in to My ASU [My ASU](#) and select the "Finances" link on the upper left side.

For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no further action is necessary. Students with unpaid tuition charges in excess of pending aid will be automatically enrolled in the ASU Payment Plan.

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

By registering for classes you agree to pay all applicable tuition and registration fees. Classes are not automatically cancelled for non-attendance or non-payment.

Taxability of Scholarships and Fellowships: Scholarships, grants, fellowships and stipends (but not loan funds) are taxable income to the recipient, except for the portion of these funds used for tuition, registration, other University fees, and books, supplies and equipment required for the courses being taken. Special tax regulations also apply to non-resident alien students and may require withholding of taxes at the time of aid disbursement to these individuals. Information on the taxability of scholarships can be obtained from the following IRS publications and forms: Publication 970, Tax Benefits for Education, Pub 519-U.S. Tax Guide for Aliens, Form 1040EZ and instructions - Income Tax Return for Single and Joint Filers with No Dependents, Form 1040NR and instructions - U.S. Non-resident Alien Income Tax Return. These publications and forms can be obtained from the Internal Revenue Service at their toll free number 1.800.829.FORM or online at [www.irs.gov](http://www.irs.gov).

The Student Financial Assistance Withdrawal Policy will apply when a student receives financial aid funds and subsequently withdraws, drops out, takes an unapproved leave of absence, fails to return from an approved leave of absence, is expelled, or otherwise fails to complete the period of enrollment for which he or she was charged. **See page 8 in this handbook or online at [Financial Aid Payment](#).**

Students with loans who would like to cancel or reduce their loans must inform the Student Financial Assistance Office in person within 14 days of the disbursement.

## Tuition and Fees, cont.

### Tuition Payment with Prepaid or College Savings Plans

Prepaid or College Savings Plan payments made payable to Arizona State University are generally accepted. Mail checks to Cashiering Services, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303. Include the student's ASU ID number. Prepaid or College Savings Plan payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the ASU Payment Plan and assessment of the non-refundable payment plan fee. Notification to Arizona State University of pending payments by the Prepaid or College Savings Plan does not exempt a student from automatic enrollment in the ASU Payment Plan and assessment of the non-refundable payment plan fee.

### Sponsorship by ASU Approved Governmental and Third-Party Agencies

Submit sponsorship authorization in person at the Student Accounts Office, by fax to 480.965.9242, or by e-mail [sponsorbilling@asu.edu](mailto:sponsorbilling@asu.edu). Failure to do so by the tuition payment deadline will result in automatic enrollment in the ASU Payment Plan and assessment of a non-refundable enrollment fee of \$100 for resident students and \$200 for non-resident students. An acceptable letter of authorization must be submitted to the Student Accounts Office by **August 25, 2019**.

A **per semester** Sponsored Tuition Fee will be assessed to each sponsored student. Sponsored students are responsible for all tuition, fees, and late charges if the sponsoring agency fails to pay by the due date of the invoice. Questions about third party sponsorship may be directed to the Student Accounts Office. For additional information please visit <https://students.asu.edu/thirdpartysponsorships>.

International students who are required to carry student health insurance and are using coverage through their sponsor must receive approval from ASU Campus Health Services by e-mailing [insurance@asu.edu](mailto:insurance@asu.edu).

### Qualified Tuition Reduction Program

A Qualified Tuition Reduction Program is available to faculty and staff who are employed at least 50% time within the state University system, and to their spouses and dependent children. Employees must complete the Qualified Tuition Reduction Form every semester they attend, which can be obtained at Human Resources, the Student Accounts Office, or online at [HR Forms under Tuition Reduction Program](#). The completed form may be submitted to Student Accounts (Tempe Campus), Student Services Building Room 230, or at the West, Polytechnic, or Downtown Phoenix campus Cashiering Offices. The form may also be faxed to 480.965.9242 or emailed to [tuitionreduction@asu.edu](mailto:tuitionreduction@asu.edu). The Qualified Tuition Reduction Program does not cover 100% of your tuition and fees. The outstanding portion of the tuition and fees will be billed on your student account and should be paid by the due date to avoid late fees. **Please submit early.**

### Tuition Payment Hours and Locations

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
Student Services Bldg, 2nd Floor	University Center Bldg, Ste 101	Administration Building, Room 160	University Center Bldg, Ste 112
1-855-278-5080	1-855-278-5080	1-855-278-5080	1-855-278-5080
M-F 8:15am - 4:30pm	M-F 8:15am - 4:30pm	M-F 8:30am - 4:30pm	M-F 8:15am - 4:30pm
<b>Offices are closed in observance of the following holidays:</b>  Labor Day—September 2, 2019 Veteran's Day—November 11, 2019 Thanksgiving—November 28-29, 2019 Holiday Break—December 24-25, 2019			

## Tuition and Fees, cont.

Non-residents are not eligible for the Qualified Tuition Reduction Program. Please contact Residency Classification at 480.965.7712. Residency processing can be time-consuming, so apply early. You must be employed on the first day of the semester to be eligible for the Qualified Tuition Reduction Program. The Qualified Tuition Reduction Form must be processed by the Student Accounts Office on or before the first day of the session to qualify for reduced tuition. Forms submitted after the first day of the session will not be accepted and you will be held responsible for the full tuition and fees.

### Graduate Assistants

Students identified as Research and Teaching Assistants receive tuition assistance if they meet employment and class enrollment requirements. RA/TA remissions do not cover 100% of tuition and fees. If eligible for a remission, the remaining tuition and fees will be billed on your student account with a **August 25, 2019** due date.

### Differential Tuition and Program Tuition

Certain graduate, undergraduate, colleges and programs assess additional differential tuition and program tuition which differs according to college and/or program. Contact your program advisor for details on these fees or see the [Tuition Estimator](#).

### Excess Hours Tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold of 145 hours are required to pay a tuition surcharge. The tuition surcharge is billed in addition to tuition, program tuition, mandatory fees and class fees. Please see the [Tuition and Fees](#) website for additional information.

### Special Class, Hybrid, ocourse and icourse Fees

Special class, hybrid, ocourse and iCourse fees are assessed based on enrollment in specific classes. Class fees are published with each class through [class search](#).

### Financial Aid Trust Fee

All students are assessed a mandatory financial aid trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. See the [Tuition and Fees Schedule](#) for additional information.

### Technology Fee

All students are assessed a mandatory technology fee as authorized by the Arizona Board of Regents to fund technology initiatives and improve access on all campuses. See the [Tuition and Fees Schedule](#) for additional information.

### Student Programs Fee

All students are assessed a mandatory student programs fee as authorized by the Arizona Board of Regents to provide funding for new or enhanced facilities and student support programming. See the [Tuition and Fees schedule](#) for additional information.

### Recreation Fee

All students are assessed a recreation fee allowing access to recreation facilities on all four ASU campuses. See the [Tuition and Fees Schedule](#) for additional information. Faculty/staff who are attending classes and all online students are not assessed the recreation fee. Please contact the Student Recreation Complex at 480.965.8900 for information on how to become a member.

## Tuition and Fees, cont.

### Health and Wellness Fee

All students are assessed a health and wellness fee as authorized by the Arizona Board of Regents to enhance services for students who seek both preventative and acute care and to expand outreach and wellness education and services.

### Student Service Facility Fee

All students are assessed a Student Services Facility Fee as authorized by the Arizona Board of Regents to provide funding for new and enhanced student service facilities. See the [Tuition and Fees Schedule](#) for additional information.

### Student Athletic Fee

The Student Athletic Fee will fund reinvestment in academic support areas, strengthen undergraduate and graduate academic experiences, and enhance student engagement in athletics, including access to Sun Devil Athletics sporting events and enhanced game day experiences in Sun Devil Stadium, Wells Fargo Arena and other athletic venues. This fee was initiated and supported by Undergraduate Student Government and the Graduate and Professional Student Assembly.

### Resident Surcharge Fee

The Resident Surcharge Fee is a per semester fee assessed to resident students during the 2019/2020 school year. The Resident Surcharge Fee will partially offset state budget reductions to maintain and achieve current academic goals and standards.

### Late Registration Fee

All students who register for Sessions A & C on **August 14, 2019** and after, will be **assessed a late registration fee of \$50.00**. For Session B, students who register after **October 8, 2019** will be assessed the late registration fee. Registration after the published deadline may be permitted under extraordinary circumstances if approved by an authorized College designee. Late registration fees are not refundable.

### Tuition Receipt

For students requiring tuition receipts for insurance, reimbursement, or other reasons, login to [My ASU](#) and select the "Finances" link on the upper left side, then click the Tuition Receipt link. For in person assistance or additional documentation,

see campus locations under "Tuition Payment Hours", page 14.

### Delinquent Financial Obligations

Students with delinquent accounts will not be allowed to register for classes or obtain official transcripts or diplomas. The University reserves the right to involuntarily withdraw students with severely delinquent accounts from current semester courses. University billings not paid by the due date are subject to monthly late charges beginning 30 days past due and continuing monthly until paid in full. The monthly late charge for past due balances between \$20-\$50 is \$5, for balances between \$51-\$400 is \$10, for balances between \$401-\$1,000 is \$25, for balances between \$1,001-\$3,000 is \$50, for balances between \$3,001-\$5,000 is \$75, and for balances greater than \$5,000 is \$100. Former students with outstanding charges may be referred to an outside collection agency with late fee assessment continuing monthly until paid in full.

### Returned Checks

A \$25 fee is assessed for returned checks and eChecks. Students with multiple returned checks or eChecks are subject to a permanent registration hold requiring advanced payment in secure funds prior to registration or access to other University services.

### Student Health Insurance

**Eligibility:** Group Health insurance is available to:

- **Undergraduate students** registered for at least six units or have a consortium agreement to take courses at another qualified college with an overall credit hour total of at least six units
- **Graduate students** enrolled in degree or certificate programs, and taking at least three credit hours or one dissertation/thesis hour

Graduate, Teaching or Research Assistants who are offered insurance as part of their employment must enroll in the insurance, enrollment is not automatic.

- **International student** enrollment in Student Health Insurance is mandatory and the cost of insurance is automatically

## Tuition and Fees, cont.

added to registration fees. Waiver exception may be available. For additional information or waiver application <https://eoss.asu.edu/health/resources/international>.

**Student Health Insurance enrollment** is available through My ASU ([my.asu.edu](http://my.asu.edu)) by selecting Campus Services, Health and Wellness Resources. Once enrolled for Student Health Insurance, you will be automatically re-enrolled into the plan each subsequent semester once you have registered for classes. The premium will be billed to your student account.

Coverage may be added or dropped through the first 2 weeks of each semester/session. Complete withdrawal from the University on or before the end of this two week period may not result in automatic cancellation of student health insurance. To cancel or add insurance prior to the end of open enrollment, go to MyASU under Campus Services, Health & Wellness Resources. The insurance **cannot** be cancelled if complete withdrawal from the University occurs after this two week period or if the insurance has been utilized. You may also direct questions and concerns to [insurance@asu.edu](mailto:insurance@asu.edu).

Additional information about coverage, eligibility, cost, payment options and coverage can be found at <https://eoss.asu.edu/health> or <https://www.aetnastudenthealth.com>, enter ASU.

### Institutional Refund Policy

#### Tuition and Fees

Tuition and fees are subject to a 100% refund if enrollment is officially cancelled within the refund period. In the Fall and Spring semesters, for classes eight weeks or longer, the refund period is two weeks, and for classes shorter in length the refund period is one week. Please see the [Tuition Refund Policy](#) for additional information.

Beginning the first day of classes, undergraduate students are required to work with the College of their major to facilitate the withdrawal process.

The 100% refund period is one week for sessions shorter than eight weeks and dynamically dated classes. All refunds are less any amounts owed to the University and are subject to payment holding periods. Students withdrawing for medical or other extenuating circumstances must contact their college to initiate the process. Tuition is non-refundable after the first week of these sessions/classes.

The University provides a prorated refund for students receiving financial aid; therefore, the refund schedule is the minimum amount refundable to these students. Withdrawal or cancellation occurs on the calendar day that withdrawal is processed either in person at any Registrar site or online using My ASU. See the [Financial Aid Withdrawal Policy](#) for additional information.

### Student Account Refund (Disbursement)

Financial aid is posted to your student account and used to pay University charges such as tuition, Residential Life, meal plan and health insurance fees. Refunds of excess financial aid will be processed beginning the week before classes and will continue to be processed throughout the semester. Any changes to your schedule that results in a fee increase or any other fees incurred after financial aid disbursement, will be your responsibility to pay by the due date. You may view details of your student account, including financial aid refunds, by logging into [My ASU](#) select the “Finances” link on the upper left side, and select the Refunds link.

**Note: To receive your financial aid refund beginning the week before classes, you must register for classes, complete your financial aid packet, and accept your loans at least two weeks before the semester begins. Financial aid refunds will be mailed or direct deposited to your bank account.**

Refund by direct deposit to your bank account is available and is the most convenient way to receive student account refunds. Direct deposit enrollment is available at My ASU [My ASU](#) by selecting the “Finances” link on the upper left side, and clicking “Direct Deposit” in the Financing Tasks box under “Manage Payments”. Further information is available at [Tuition and Billing](#) or in the Student Accounts Office on the 2nd floor of the Student Services Building (Tempe campus). Direct deposit enrollment must be completed a minimum of two weeks prior to your refund being issued. For students not enrolled in direct deposit, or who do not meet the direct deposit enrollment deadline, refund checks will be mailed. Keep your mailing address up to date to ensure that refund checks are received in a timely manner. View and update your address on My ASU by clicking on “My Profile” in the top-right corner. If you request a replacement check there is a \$20 per check reissue fee. **All student account refund checks will be mailed.**



## Transportation Options

For all transportation-related inquiries, including bicycling on campus, free campus shuttle services, parking permit locations and rates, Valley Metro transit passes and visitor parking, please visit the ASU Parking and Transit Services website at [parking.asu.edu](http://parking.asu.edu).

Downtown Phoenix campus	Polytechnic campus	Tempe campus	West campus
University Center Suite 116 411 N. Central Avenue Phoenix, AZ 85004	Quad 4 Building 4 7107 E. Tiburon Mesa, AZ 85212	University Towers 525 S. Forest Avenue Tempe, AZ 85281	North Services Building 4766 W. University Way North Glendale, AZ 85306
480-965-6124	480-965-6124	480-965-6124	480-965-6124

## Campus Maps

Utilizing [www.asu.edu/map](http://www.asu.edu/map) is a great resource for finding your way around any of the ASU campuses, finding public parking, wireless computing zones, buildings and facilities such as bookstores, computer labs, and more. By clicking on the link below, you can use the tabs at the top of the page to see the individual map of each location.

<p><b>Tempe campus, West campus, Polytechnic campus, Downtown Phoenix campus, Research Park, and Skysong</b></p>
<p><a href="http://www.asu.edu/map/interactive/">http://www.asu.edu/map/interactive/</a></p>

## Ombudspersons

While all faculty and staff within the University community serve to facilitate matters, the following individuals have been designated to serve as ombudspersons (impartial fact-finders and problem solvers). They have no power to reverse or change decisions but have conciliation skills to help resolve matters.

<b>Chair</b>	Paul Karoly	College of Liberal Arts and Sciences	480.965.5404
<b>Academic / Student Affairs</b>	Jeffery Banner	College of Liberal Arts and Sciences	480.965.6505
	Kaylen Cons	Student Services	480.965.5302
	Elaine Rostad	Student Services	602.496.2153
<b>For Online Students</b>	Joseph Chapman	Student Services	480.884.1609
<b>Academic Professionals Staff Personnel</b>	Richard Filley	Ira A. Fulton School of Engineering	480.727.5252
	Michelle Johnson	ASU Gammage	480.965.5062
<b>Tempe Campus</b>	Barzin Mobasher	Ira A. Fulton School of Engineering	480.965.0141
	Paul Karoly	College of Liberal Arts and Sciences	480.965.5404
	Ajith Kumar	W.P.Carey School of Business	480.965.5544
<b>West Campus</b>	Duku Anokye	New College of Interdisciplinary Arts and Sciences	602.543.6020
	Douglas Kelley	Social and Behavioral Studies	602.543.6641
<b>Polytechnic Campus</b>	Jean Stutz	College of Technology and Innovation	480.727.1234
	Ian Moulton	Integrative Sciences and the Arts	480.727.1172
<b>Downtown Campus</b>	Janet O'Brien	College of Nursing and Health Innovation	602.496.1415
	Edwin Gonzalez-Santin	College of Public Service and Community Solutions	602.496.0101
	Kevin Ellsworth	School of Letters and Sciences	480.727.7090



# University Policies

## Family Educational Rights and Privacy Act

### General Information

The federal Family Educational Rights and Privacy Act (also known as FERPA, and/or the Buckley Amendment) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

**Note: Students must provide photo identification in order to access their education records.**

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students who believe their record is inaccurate or misleading should write to the University official responsible for the record. Clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing about the request for amendment. Additional information about the hearing procedures will be provided to the student when notified of the right to a hearing.

**Note: FERPA does not address grade disputes or grievances which are pursued through other University and/or college procedures.**

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interest. School officials are administrators, faculty, professional staff, academic advisors, clerical or support employees, including ASU law enforcement unit personnel and ASU health staff, volunteers, a person or company with whom the University has contracted as its agent, acting with legitimate educational interest to provide a service instead of using University employees or officials (such as an attorney, auditor, collection agent, service provider); a person serving on the Board of Regents; staff in the Alumni Association and ASU Foundation offices, or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

Additional exception categories may be found in SSM 107-01: Release of Student Information which is located on the web at <http://www.asu.edu/aad/manual/ssm/ssm107-01.html>

A school official has a legitimate educational interest if the interest in an education record is justified under one or more of the following conditions:

- The information or records requested are relevant and necessary to accomplish some task or determination related to the legitimate educational interest of the student;
- the official needs to review an education record in order to fulfill his or her professional responsibilities for the University;
- the task or determination is an employment responsibility or a properly assigned subject for the inquirer's determination and/or
- the task or determination is consistent with the purpose for which the records, information, or data are maintained.

**Note: A parent of a dependent student may challenge denial of access to the dependent student's record by producing the most current copy of Internal Revenue Form 1040. (Dependency is defined in Section 152 of the Internal Revenue Code.) If that form lists the student in question as a dependent, the parent**

## University Policies, cont.

will be required to sign an Affidavit of Dependency which affirms that the student is his/her tax dependent. The affidavit will be retained by the University Registrar Services and must be renewed each tax year. Upon receipt of these documents, the dependent student records will be made available to the parent as specified under FERPA.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Arizona State University to comply with the requirements of FERPA. Students are encouraged to first contact the University Registrar's Administration Office at 480.965.7302. A complaint may be filed with the Department of Education at the following address:

Family Policy Compliance Office

U.S. Department of Education

400 Maryland Avenue, SW

Washington, DC 20202

### Definitions:

**Student** is any individual formally admitted and is or has been in attendance at ASU. The term does not apply to applicants for admission, nor does it apply to persons who have been admitted but who have not registered.

**Education Record** is any record(s) directly related to a student and maintained by Arizona State University or by a party acting for the University. This includes any information or data recorded in any medium, including, but not limited to: handwriting, print, computer media, video or audio tape, film, microfilm, and microfiche.

**Directory Information** (or releasable information) is general information that may be released to anyone without the consent of the student, unless the student indicates otherwise, except to the extent that FERPA authorizes disclosure without consent, including:

- Student Name
- Addresses (e.g., local, home, mailing and ASU e-mail, including directory number)

- Telephone Number(s)
- Date of Birth
- College
- Major
- Academic Level
- Dates of Attendance
- Enrollment status (e.g., undergraduate or graduate, full-time or part-time)
- Most Recently Attended Institution
- Participation in Officially Recognized Activities/Sports
- Weight/Height of Members of Athletic Teams
- Degrees, Honors and Awards Received (including Dean's List, National Merit, National Achievement, and National Hispanic Scholars)

**Personally Identifiable Information** (or non-releasable information) includes all information not defined as directory information, plus any information including directory information that the student has instructed ASU not to release. Personally identifiable information may not be released without the prior written consent of the student, except to the extent that FERPA authorizes disclosure without consent.

### Student Control of Directory Information

Students may control release of directory information by submitting the appropriate form to any University registration location.

Unless otherwise requested, a student's name, email address, academic level, college and major may appear in the directory of faculty, staff, and students on ASU's web directory. To avoid the release of directory information in the printed directory, complete the appropriate form located at [students.asu.edu/forms/withhold-directory-information-request](https://students.asu.edu/forms/withhold-directory-information-request).

## University Policies, cont.

ASU has a policy that regulates and permits the sale of enrolled student directory information only through the University Registrar's Office. Unless otherwise directed by the student, directory information is subject to sale to outside purchasers.

Students accessing education records or receiving University services must provide proof of identification.

Questions or requests for additional information may be directed to any University registration location. Additional information, including FAQ's, is available on the web at <http://students.asu.edu/policies/ferpa>.

### **ACD 401: Prohibition Against Discrimination, Harassment, and Retaliation**

Arizona State University is committed to providing an environment free of discrimination, harassment, or retaliation for the entire university community, including all students, faculty member, staff employees, and guests. ASU expressly prohibits discrimination, harassment, and retaliation by employees, students, contractors, or agents of the university based on any protected status: race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, and genetic information.

Inappropriate conduct need not rise to the level of a violation of federal or state law to constitute a violation of this policy and to warrant disciplinary action/sanctions.

All employees, students, volunteers, contractors and agents are responsible for participation in and assisting with creating and maintaining an environment at ASU free from all forms of prohibited discrimination, including harassment and retaliation.

### **ACD 402: Romantic or Sexual Relationship Between Faculty Members and Students.**

### **ACD 815: Romantic or Sexual Relationships Between Staff/Volunteers and Students**

### **TA/RA Handbook: Prohibition of Amorous Relationships**

### **SPP 205: Nepotism and Relationships Between Employees**

No employee of the university may hire, review, supervise, direct, discipline, promote, influence, or participate in decisions involving hire, retention, supervision, promotion, evaluation or compensation of a relative or member of the employee's established household, or a person with whom the employee is in a romantic or sexual relationship.

Additionally, all employees, including Faculty, staff and volunteers as well as TA/RA's are prohibited from engaging in a romantic or sexual relationship with a student over whom they exercise, or can reasonably be expected to exercise, academic or employment authority or influence. Such authority or influence includes,

but is not limited to, employment-related decisions such as hiring, evaluation or discipline, and academic-related decisions such as grading, transfers, evaluations, formal mentoring or advising, supervision of research, employment of a student as a research or teaching assistant, exercising substantial responsibility for honors or degrees, or considering academic disciplinary action involving the student.

### **Title IX Compliance**

Title IX of the Education Amendments of 1972 protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. Sexual harassment, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX. ASU does not discriminate on the basis of sex in the employment, education programs or activities it operates.

ASU is committed to providing an environment free from discrimination based on sex and provides a number of resources and services to assist students, faculty and staff in addressing issues involving sex discrimination, including sexual violence.

Sexual violence, sexual harassment, stalking and relationship violence have a profound impact on a victim's academic, social, working, and personal life, and negatively affects victims' friends and families, other students, co-workers, and members of the university community. To combat this complex social problem, ASU provides a variety of resources and education programs designed to prevent sexual violence and other acts of sexual misconduct, including sexual harassment, provide information about what to do when an incident has occurred, and increase awareness of campus and community resources for support and response. For information about specific resources, educational opportunities, and policies and procedures, please go to ASU's Sexual Violence Awareness and Response website at: <https://sexualviolenceprevention.asu.edu/>

### **Discrimination Complaints**

Complaints of alleged discrimination in employment and educational programs and activities on the basis of race, color, religion, national origin, sex, gender identity, sexual orientation, age, disability, and qualified veteran statuses may be referred to the offices listed on the following page for review, investigation and resolution.

### **No Retaliation**

A report of alleged discrimination can be made without fear of jeopardizing the employment or academic standing of an employee or student.

## University Policies, cont.

### File a Complaint

<b>Against an ASU Student</b> Contact the office of student rights and responsibilities on your campus:	<b>Downtown Phoenix</b> Post Office, Room 243 602-496-0670	<b>Polytechnic</b> Administration Bldg, Room 102 480-727-5269	<b>Tempe &amp; Online Students</b> Student Services Bldg, Room 263 480-965-6547	<b>West</b> University Center Bldg, Room 301 602-543-8152
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### File a Criminal Complaint

<b>ASU Police</b>	325 E. Apache Blvd., Tempe, AZ 85287-1812 Emergency: 911 Non-emergency: 480-965-3456
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Additional questions can be directed to:

**TITLE IX COORDINATOR AND SPECIAL COUNSEL**

Jodi Preudhomme, Office of the President  
PO Box 877705  
Tempe, AZ 85287-7705  
480.965.0696/480.965.0865 fax  
Jodi.Preudhomme@asu.edu

## Accommodations for Students with Disabilities

To help facilitate access to programs and services at ASU from the first day of classes, students with disabilities should use the following process:

- Register for classes on their assigned Registration Date, and
- Make sure you are registered with the DRC office
- Request accommodations from the Disability Resource Center immediately following enrollment (please note you need to request each semester).

**Note:** Some accommodations, including but not limited to: alternative print formats, (e.g., Braille, e-text, large print), interpreting services, lab materials conversions, assistive technology, and the hiring of lab assistants, may require up to one semester in preparation time.

**Returning Students:** Go to <https://eoss.asu.edu/drc>, sign into DRC Connect to request accommodations for ASU classes.

**New Students:** Go to <https://eoss.asu.edu/drc>, select DRC Connect link and submit a new student application to initiate your registration with the DRC. Make sure to use your ASURITE username and password. If you have questions, do not hesitate to contact one of our offices below.

**Contact Information:** You can reach any of our Disability Resource Center offices by utilizing the information below:

drc@asu.edu  
(480) 965-1234

Tempe campus	West campus & Thunderbird	Polytechnic campus	Downtown Phoenix campus & Tucson School of Social Work
Matthews Center, 1st floor	University Center Building, Room 304	Sutton Hall, Room 201	POST 201
Monday–Friday / 8:00am–5:00pm Academic Catalog Archive 2019-2020			
			126

## Directory of Selected Campus Services, Resources, and Contacts

Campus	Phone	Email	Location	Mailing Address
Tempe campus	480.965.9011	<a href="mailto:askasu@asu.edu">askasu@asu.edu</a>	University Dr. and Mill Ave., Tempe, AZ	See: <a href="http://asu.edu/contactasu/addressing">asu.edu/contactasu/addressing</a>
West campus	602.543.5500	<a href="mailto:westinfo@asu.edu">westinfo@asu.edu</a>	4701 W. Thunderbird Rd., Glendale, AZ 85306	PO Box 37100, Phoenix, AZ 85069-7100
Polytechnic campus	480.727.3278	<a href="mailto:poly@asu.edu">poly@asu.edu</a>	Power Rd. and Williams Field Rd., Mesa, AZ	7001 E. Williams Field Rd, Mesa, AZ 85212
Downtown Phoenix campus	602.496.INFO (4636)	<a href="mailto:askdpc@asu.edu">askdpc@asu.edu</a>	411 N. Central Ave., Phoenix, AZ 85004	See: <a href="http://asu.edu/contactasu/addressing">asu.edu/contactasu/addressing</a>
University Registrar Services				
Campus	Phone	Fax	Location	Mailing Address
Tempe campus	480.965.3124	480.965.7722	Student Services Bldg, Rm 140	PO Box 870312, Tempe, AZ 85287
West campus	602.543.8203	602.543.8312	University Center Bldg, Rm 101	PO Box 37100, Phoenix, AZ 85069
Polytechnic campus	480.727.1142	480.727.1008	Administration Bldg	5990 S. Sterling Mall, Mesa, AZ 85212
Downtown Phoenix campus	602.496.4372	602.496.0376	University Center Bldg, Rm 130	411 N. Central Ave. Ste 130, Phoenix, AZ 85004
Residency Classification				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	480.965.7712	480.727.6630	<a href="mailto:residency@asu.edu">residency@asu.edu</a>	Student Services Bldg, Rm 140 PO Box 870312 Tempe, AZ 85287
Student Business Services				
Department	Phone	Fax	Location	Mailing Address
Collections	480.965.5220	480.965.4587	Student Services Bldg, Rm 234	PO Box 870303 Tempe, AZ 85287-0303
Student Financial Assistance				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	855.278.5080	480.965.9484	N/A	Student Services Bldg, 2nd Floor PO Box 870412 Tempe, AZ 85287
West campus	855.278.5080	480.965.9484	N/A	University Center Bldg, Rm 101 PO Box 37100 Phoenix, AZ 85069
Polytechnic campus	855.278.5080	480.965.9484	N/A	Administration Bldg 5990 S. Sterling Mall Mesa, AZ 85212
Downtown Phoenix campus	855.278.5080	480.965.9484	N/A	University Center Bldg, Rm 166 411 N. Central Ave., Phoenix, AZ 85004
Student Employment Office				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	480.965.5186	480.965.9816	<a href="mailto:seo@asu.edu">seo@asu.edu</a>	Student Services Bldg, 2nd Floor PO Box 870412, Tempe, AZ 85287

## Student Right to Know Act and Higher Learning Commission Data

As part of the federal Student Right to Know Act, institutions receiving Title IV funding are required to disclose certain information, such as completion or graduation rates of degree-seeking, full-time students entering the institution, to current and prospective students. Similarly, the Higher Learning Commission requires that institutions publish student achievement information, such as completion rates, job placement rates or other information useful for current and prospective students. In furtherance of those mandates, the following "Facts About ASU" section provides valuable consumer information about the success of ASU's students.

### Facts About ASU

Arizona State University enjoys a national reputation as a leading research institution. ASU produces more graduates than any other university in the state. Students from around the nation and the world choose ASU because of its diversity and quality of academic, student, and research programs, a beautiful campus setting, and the value of the ASU degree in today's world.

### Academic Environment

ASU offers 192 bachelor's degree programs, 207 master's degree programs, 89 doctoral programs, and one law degree program.

### Undergraduate Students

ASU enrolled 13,975 new freshmen for the Fall 2018 semester. **Of the new freshmen, 27.5% graduated in the top 10% of their high school class.** The average ACT composite score of first time full-time freshmen is 24. The average SAT combined score is 1210.

ASU enrolled 12,771 new transfer students for the Fall 2018 semester with 33.9% of the new transfers coming from community colleges in Arizona.

The graduation rate for 2013 lower division transfer students graduating in 5 years or less was 60.0%

The graduation rate for 2014 upper division transfer students graduating in 4 years or less was 71.1%

### Undergraduate Enrollment

ASU enrolled 89,898 undergraduates in the Fall 2018 semester.

Seniors (Seniors: 31,745; Juniors: 25,406; Sophomores: 17,199; Freshmen: 14,996) compose the largest class, representing more than a quarter of the student body and over a third of the undergraduate enrollment. ASU enrolled students from every state and from 111 countries in the Fall 2018 semester.

### Undergraduate Student Profile

40.3% are from ethnic minority backgrounds

5.9% are international students

The average age is 24.

### Graduate Enrollment

ASU enrolled 21,393 graduates in the Fall 2018 semester

### Graduate Student Profile

27.8% are from ethnic minority backgrounds.

20.8% are international students.

### Student Athlete Profile

For information on student athlete graduation rates, please visit the following webpage

<http://www.ncaa.org/about/resources/research/graduation-rates>

### Degrees Awarded

In 2017-2018, ASU awarded 18,178 bachelors, 6,828 masters, 692 doctoral and 276 law degrees.

The graduation rate for 2012 first time, full time freshmen graduation in six years or less was 67.7%. Information on students who transfer out from ASU is not recorded, therefore is not available.

The six-year graduation rate for 2012 first time, full-time freshmen receiving Pell grants, receiving subsidized Stafford Loans but no Pell grant, and receiving neither Pell grant nor Stafford loan was 60.1%, 62.1% and 73.7% respectively.

### Career and Professional Development Services

ASU's Career and Professional Development Services posts career outcomes data at the following address: <https://eoss.asu.edu/cs/asuhighlights>



# University Policies

## Academic Integrity

At Arizona State University, we place great value on the research and scholarship of our students and faculty and are committed to a culture of academic integrity and scholarly ethics. We welcome you into our culture of academic excellence and integrity and hope you will help foster and promote ethical and honest behavior in connection with your scholarly work and interactions with your peers.

Academic integrity video on YouTube [1]

### What is academic integrity?

No matter what stage of your educational or professional career pursuits, acting with integrity is a cornerstone of leadership and good citizenship. Integrity is a character-driven commitment to honesty, doing what is right, and guiding others to do what is right. Arizona State University students and faculty are expected to act with integrity in their educational pursuits.

Academic dishonesty falls into five broad areas that include but are not limited to:

- Cheating on an academic evaluation or assignment.
- Plagiarizing [2].
- Academic deceit, such as fabricating data or information.
- Aiding academic integrity policy violations and inappropriately collaborating.
- Falsifying academic records.

It is important that you understand what constitutes a violation of academic integrity. The ASU community is here to help you stay informed and to provide resources to avoid these kinds of violations. Please read ASU's academic integrity policy found here and visit the student resource page found here.

Mostly importantly, if you are not sure if something is really cheating, ask your professors, academic integrity officers, T.A.s or academic advisors.

**Source URL:** <https://provost.asu.edu/academic-integrity>

#### Links:

[1] [https://youtu.be/\\_re07sKys\\_o](https://youtu.be/_re07sKys_o)

[2] <https://provost.asu.edu/academic-integrity/resources/students#avoiding-plagiarism>

## ASU Student Honor Code

The ASU student honor code affirms the commitment of ASU students to uphold the values, principles, and ethics of academic integrity.

### Honor Code

“We, the students of Arizona State University, have adopted this code as an affirmation of our commitment to academic integrity and our participation in ethical education.

We embrace our duty to uphold ASU's Honor Code, and in light of that duty,

We promise to refrain from academic dishonesty.

We pledge to act with integrity and honesty and to promote these values among our peers. We agree to always abide by the Sun Devil Way [1] and uphold the values of the New American University [2].”

**Source URL:** <https://provost.asu.edu/academic-integrity/honor-code>

**Links:**

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

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

## Why is academic integrity important?

### *Foundational value*

Academic integrity is a fundamental value and is paramount to your success as a student. Protecting the ASU community from violations of academic integrity is everyone's responsibility.

### **Academic Integrity violations negatively impact:**

#### **You as a student**

If you cheat in a course or another academic exercise, you are taking away your opportunity to learn, develop and improve your skills, and obtain an educational degree that reflects your own academic achievements.

#### **The ASU community**

ASU is an intellectual community focused on teaching, research and the values of the New American University. The creation, transmission, sharing and applying of knowledge are central activities of the community. Cheating violates fundamental values of the university community.

#### **Future employers, clients or patients**

Cheating can hurt the people you will work with in the future. You are preparing for careers where you will provide services to others—legal, journalistic, medical, research, etc. If you do not learn how to do this work, you have cheated your future employers and clients of a knowledgeable professional.

### *Student policy*

Why is academic integrity important? video on YouTube [1]

Keon McGuire, Assistant Professor in Mary Lou Fulton Teacher College, shares why academic integrity is important. We want your time spent here at ASU to be enriching, engaging and full of wonderful educational experiences that prepare you for your future.

### **What is a violation of the academic integrity policy?**

Academic dishonesty falls into five broad areas that include but are not limited to:

1. Cheating on an academic evaluation or assignment.
2. Plagiarizing.
3. Academic deceit, such as fabricating data or information.
4. Aiding academic integrity policy violations and inappropriately collaborating.
5. Falsifying academic records.

### **What are the consequences?**

At Arizona State University, academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to appropriate grade penalties, loss of registration privileges, disqualification and dismissal. ASU strictly adheres to the academic integrity policy.

This policy sets forth the ASU Student Academic Integrity Policy and appeal procedures.

View full policy [2]



## **Additional policies to be aware of:**

### **Student Code of Conduct**

Violations of the ASU Student Code of Conduct, other than the provision concerning academic dishonesty, are more generally considered inappropriate behavior. The Office of Student Rights and Responsibilities [3] reviews and sanctions these matters. If a student violates both the academic integrity provision and additional provisions of the Student Code of Conduct, both the college and the Office of Student Rights and Responsibilities will review the matter. Each independently makes determinations concerning violations and appropriate sanctions.

### **Misconduct in Research**

For graduate students and undergraduates involved in research, there can be overlapping areas between Academic Integrity Policy violations, responsible conduct of research and research misconduct. The five areas listed above describe the kinds of Academic Integrity Policy violations and are handled under the ASU Student Academic Integrity Policy by faculty members, colleges and the provost.

If a student is working on a federally funded research project, some of these items may also be considered misconduct in research [4]. Misconduct is defined as:

Fabrication, falsification, plagiarism and other practices that seriously deviate from those that are commonly accepted within the academic community for proposing, conducting or reporting research. Instances of honest error and honest differences in interpretations or judgments of data are not considered misconduct. (From RSP 004: Definitions [5])

A student who violates both ASU's Misconduct in Research Policy and Student Academic Integrity Policy will be reviewed by both the college and the Office of Knowledge Enterprise Development's Office of Research Integrity and Assurance [6] (ORIA). Each independently makes determinations concerning violations and appropriate sanctions.

In addition, some actions might be considered violations of the norms of responsible conduct of research, but not Academic Integrity Policy violations or misconduct in research. Many of these incidents fall into the general category of "collaborator disputes." For example, if a doctoral graduate of ASU continued a line of research begun at ASU in a new lab external to ASU, and the ASU mentor objected, generally speaking the matter would be addressed as a collaborator dispute, rather than as an Academic Integrity Policy violation or misconduct in research. Many conflicts over appropriate authorship credit on publications also fall into this area.

**Source URL:** <https://provost.asu.edu/academic-integrity/impact>

### **Links:**

[1] [https://youtu.be/XI\\_LGLFhPPc](https://youtu.be/XI_LGLFhPPc)

[2] <https://provost.asu.edu/academic-integrity/policy>

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

[4] [www.asu.edu/aad/manuals/rsp/rsp210.html](http://www.asu.edu/aad/manuals/rsp/rsp210.html)

[5] [www.asu.edu/aad/manuals/rsp/rsp004.html#misconduct](http://www.asu.edu/aad/manuals/rsp/rsp004.html#misconduct)

[6] <https://researchintegrity.asu.edu>

## Student Policy

At Arizona State University, academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to: appropriate grade penalties, loss of registration privileges, disqualification and dismissal. ASU strictly adheres to the academic integrity policy. This policy sets forth the ASU Student Academic Integrity Policy and appeal procedures.

### A. Purpose

1. This Policy sets forth the ASU Student Academic Integrity Policy and appeal procedures. These procedures are designed to encourage a fair and appropriate process for student and faculty to resolve allegations of academic dishonesty. They may be modified in individual cases, so long as the student is provided notice and an opportunity to respond to allegations of academic dishonesty.
2. This Policy does not apply to differences of opinion over grades issued by an instructor.

### B. Definitions

**Academic Deceit** Any deceptive or fraudulent act that creates or attempts to create an advantage or disadvantage for any member of the academic community.

**Academic Evaluation** Any academic assignment, project, paper, performance, quiz, exam, comprehensive exam, candidacy exam, thesis, dissertation, clinical or internship experience, or other evaluation assigned or offered for credit (including extra or optional credit), intended to fulfill an academic requirement, or considered by the University to provide academic or research experience (such as a paid research position).

**Academic Integrity Officer** The person responsible for managing the academic integrity investigation and adjudication process in a College or School. The Academic Integrity Officer works with both the student and Instructor to ensure that all procedures are followed. The Academic Integrity Officer is responsible for guiding both the student and Instructor through the investigation and adjudication process. The Academic Integrity Officer may pursue the academic dishonesty allegation if, for any reason, the Instructor is unable or unwilling to do so.

**Advisor** An individual selected by the student to assist him/her during the academic integrity process. The advisor may be a faculty or staff member, student, or other representative of the student.

**College/School Board** College or School Board is appointed by the academic Dean to review allegations of academic dishonesty. Each College or School Board is a standing committee comprised of faculty members and at least one student.

**University Academic Integrity Hearing Board** Hearing board appointed by the Provost or designee to review allegations of academic dishonesty, typically through student appeals from a College/School Board.

**Instructor** An academic supervisor or any person holding a faculty appointment as defined in the Arizona State University Academic Affairs Manual and is responsible for or authorized to conduct an academic evaluation. The Academic Integrity Officer may take the place of the Instructor throughout this process.

**Day** University business day, not including Saturday, Sunday, any officially recognized university employee holiday, or any day the University is closed.

### C. Student Obligations

1. All students must act with honesty and integrity. ASU believes that any form of Academic Dishonesty negatively impacts not only the student involved, but all ASU students. The ASU student honor code affirms this commitment to integrity and can be found here.
2. Academic Dishonesty includes attempting or engaging in the following:
  - a. Academic Deceit;
  - b. Referring to unauthorized materials, sources, or devices (e.g., Internet resources, computer disks, audio recorders, cellular phones, personal electronic devices, text messages, crib sheets, calculators, solution manuals, materials from previous classes, or commercial research services) during an Academic Evaluation;
  - c. Possessing, reviewing, buying, selling, obtaining, posting on a site accessible to others, reviewing materials from a site accessible to others, or using, without appropriate authorization, any materials intended to be used for an Academic Evaluation in advance of its administration;
  - d. Using a substitute or acting as a substitute for another person in any Academic Evaluation;

- e. Relying on the aid of others, including other students, tutors, or for-hire agents, in connection with any Academic Evaluation to the extent that the work is not representative of the student's abilities;
- f. Providing inappropriate aid to another person in connection with any Academic Evaluation, including the unauthorized use of materials, cellular phones, text messages, photocopies, notes, or other means to copy or photograph materials used or intended for Academic Evaluation;
- g. Plagiarism, or the use of another's words, ideas, materials, or work from the Internet or any other source without properly acknowledging and documenting the source. Students are responsible for knowing the rules governing the use of another's work or materials and for acknowledging and documenting the source appropriately.
- h. Claiming credit for or submitting work done by another or through the unauthorized use of technology;
- i. Signing an attendance sheet for another student, allowing another person to sign on the student's behalf, or otherwise obtaining credit for attendance for oneself or another without attending;
- j. Falsifying or misrepresenting hours or activities regarding an internship, externship, field experience, clinical activity, or similar activity; or
- k. Attempting to influence or change any Academic Evaluation or academic record for reasons having no relevance to academic achievement.

#### D. Academic Dishonesty Investigation and Procedures

1. Anyone with a good faith basis for believing that a student has engaged in Academic Dishonesty may report the alleged violation to the Instructor or Academic Integrity Officer for the college or school in which the Academic Dishonesty occurred.
2. If the Instructor or Academic Integrity Officer conclude that there is a sufficient basis to believe the student engaged in Academic Dishonesty, the Academic Integrity Officer will notify the student of the alleged violation and initiate the investigative process.
3. Before concluding the investigation, the Academic Integrity Officer will provide the student a summary of the information gathered. The student will have 5 business days after the notice was sent to respond on his/her own behalf to the allegation.
4. At any point in the process, the student can contact the Academic Integrity Officer to seek consultation or clarification.
5. The student may be accompanied by an Advisor at any point in the process. The Advisor is not permitted to participate directly or speak for the student.
6. Once the investigation is complete, in consultation with the Academic Integrity Officer, the instructor will recommend a sanction. The student will be notified of the result of the investigation and the sanction to be imposed, if any.

#### E. Sanctions and Appeal

1. The following sanctions may be imposed for Academic Dishonesty:
  - a. Reduced or failing grade for the Academic Evaluation;
  - b. Reduced or failing grade for the course.
  - c. An XE grade as described in section K below;
  - d. Withdrawal of credit for a previously accepted course or requirement;
  - e. Suspension from the University for a specific period of time;
  - f. Expulsion from the University without expectation of readmission; and/or
  - g. Other sanctions as consistent with this policy and the Student Code of Conduct: <https://eoss.asu.edu/dos/srr/codeofconduct> [1]
2. At any time, the student and the Instructor may agree on the sanction and inform the Dean. The Dean may reject the proposed resolution and appoint a designee to pursue the case on behalf of the University.
3. The student will also be notified of their right to appeal to the Dean. The student must file their appeal no later than 10 business days after the date the notification was sent. If the student does not file a timely appeal, the sanction is final.
4. A student's appeal of a recommended sanction must be submitted in writing and include the following:
  - a. A description of the alleged academic dishonesty, including a factual narrative of events, the dates and times of occurrences, and any other reason why the sanction should not be imposed;
  - b. The names of persons having information about relevant circumstances or events; and
  - c. The general nature and description of all evidence.
5. If the student files an appeal, the student must meet with the Academic Integrity Officer to discuss hearing procedures. The Academic Integrity Officer will help the student navigate the process and provide additional information when needed.
6. If the student wishes to dispute any aspect of the allegation or sanction, the student may file an appeal. If the student files a timely appeal, the sanction will not be imposed until the appeal is resolved. If the student files an

appeal at the end of a semester, or during the last semester of enrollment, the course grade or degree may be withheld until the matter is resolved. If a grade or degree will be withheld for any period, the Academic Integrity Officer or Dean must notify the Registrar's Office.

F. College/School Board Hearing

1. The Academic Integrity Officer will forward a student's timely appeal to the Instructor.
2. Pre-Hearing Proceedings
  - a. The Academic Integrity Officer will send a notice of hearing to the student, Instructor, College/School Board, and the head of the College/School/academic unit where the alleged dishonesty occurred. The notice will include the following information:
    - i. Statement of time and place of the hearing before the College/School Board. Unless the parties and Academic Integrity Officer agree otherwise, the hearing will take place during the regular fall or spring semester;
    - ii. A copy of this Policy or instructions on accessing the Policy electronically;
    - iii. Requirement that the parties provide to each other and the College/School Board a written list of witnesses and a description of any documents or other evidence they intend to use at the hearing. Unless the Chair provides otherwise, this information must be exchanged at least 5 business days before the hearing.
    - iv. The length of time set for the hearing, the time limitation for the presentation of evidence, and any other procedural requirements.
3. Conduct of the Hearing
  - a. In order to preserve the confidential nature of the disciplinary process and to protect the privacy of those involved, the hearing will be closed to the public.
  - b. The College/School Board Chair will preside at the hearing and will rule upon all procedural matters. The formal rules of evidence will not apply, although objections to the introduction of specific statements or documents may be considered by the Chair. Irrelevant, immaterial, privileged, or unduly repetitious information will be excluded.
  - c. The Instructor shall have the burden of showing it is more likely than not that the student engaged in Academic Dishonesty. The Instructor must also explain the reason for the sanction. If the student accepts responsibility for Academic Dishonesty, then the College/School Board may focus the hearing on the appropriate sanction.
  - d. Information regarding prior violations or informal resolutions of previous allegations may not be used as proof of a current violation, but may be admitted for other purposes, such as to show that the student had prior experience relevant to the allegations or to show that the student had been informed previously that the conduct was unacceptable. The College/School Board may also consider information regarding prior violations in determining an appropriate sanction.
  - e. A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned his/her appeal, unless the student can demonstrate that extraordinary circumstances prevented his/her appearance or participation.
  - f. The student and Instructor may each have an Advisor present, but the Advisors shall not be permitted to address the College/School Board directly, except as the College/School Board Chair deems necessary or appropriate.
  - g. The hearing will be recorded and the student may request a copy of the recording. The student may also request a transcript, but will be responsible for its cost.
  - h. Except as otherwise permitted by the College/School Board Chair, witnesses will be excluded from the hearing except during their own testimony. The Chair may remove a party, Advisor, or witness from the hearing if that person's conduct is disruptive.
  - i. When necessitated by fairness or extraordinary circumstances, the College/School Board may permit the parties to make arrangements for recorded, written, or telephonic testimony from their witness(es) for use in the proceeding.
  - j. The Instructor shall proceed first at each stage of the presentation.
    - i. Each party may present an opening statement, which summarizes what information is expected to be presented.
    - ii. Each party will call witness(es) to provide statements under oath.
    - iii. At the conclusion of each witness's statement, he/she may be questioned by the other party.
    - iv. The College/School Board may ask further questions of each witness.
    - v. Each party may present a closing statement, which summarizes the information that was presented.

4. If the alleged Academic Dishonesty involves the work of multiple students, the College/School Board may modify these procedures to address the circumstances. The College/School Board should provide prior written notice of any modification of the procedures to all parties. Each student must file his/her own appeal. A student who has not filed an appeal should not expect to benefit from another student's appeal.
- G. College/School Board Deliberations and Recommendations
1. Following the presentation of information and closing statements, the College/School Board will discuss the information that has been presented and the reasonable inferences to be drawn from it. Only the Board, its legal advisor, if any, and the Academic Integrity Officer may be present during the deliberations. Neither the student nor the Instructor may be present during the deliberations.
  2. Based solely upon the information presented, the College/School Board will formulate a recommendation to the Dean as to whether the student more likely than not engaged in academic dishonesty and the appropriate sanction. Recommendations must be supported by a simple majority of the Board.
  3. The College/School Board will prepare and send a written recommendation to the Dean within 5 business days of the hearing. The written recommendation will include findings of fact and a statement of the reasons for the recommendation. It will also be signed by the College/School Board Chair. If the recommendation is not unanimous, dissenting opinions should be reflected in the recommendation.
- H. Review and Decision by Dean
1. After reviewing of the College/School Board's Recommendation, the Dean will render a written decision, which affirms, denies, or accepts the College/School Board's recommendation with modifications.
  2. The Dean may not make new findings adverse to the student or increase the severity of a sanction, unless
    - a. The Dean provides the student notice and an opportunity to respond to the new findings or sanction, and
    - b. Remands the matter to the College/School Board for further proceedings.
  3. The Dean will provide written notice of the decision to the student, the Academic Integrity Officer, the instructor, the College/School Board, and the head of the College/School/academic unit where the alleged dishonesty occurred within 20 business days following receipt of the College/School Board's recommendation. A delay may occur if it becomes necessary to conduct further investigation or to remand the matter to the College/School Board. In those cases, the written decision will be transmitted no later than 20 business days following completion of the investigation or the College/School Board's subsequent recommendation.
  4. The Dean's decision is final and may not be further appealed unless the Dean recommends that the Provost suspend or expel the student from the University.
  5. If the Dean recommends the suspension or expulsion of an international student, both the student and Academic Integrity Officer should consult with the ASU International Students and Scholars Center.
  6. If the Dean recommends that the Provost suspend or expel the student from the University, the letter from the Dean will state that the student may appeal the recommendation by filing a written request for review with the Provost within 10 business days of the date of the letter.
  7. If the student does not timely appeal, the Provost or designee will review the Dean's recommendation and issue a final decision on suspensions or expulsions from the University.
- I. Review and Decision of a Suspension or Expulsion from the University
1. A student may seek to have a Dean's decision reviewed by the University Academic Integrity Hearing Board only if the Dean recommends that the Provost suspend or expel the student from the University. However, a student who failed to appeal or abandoned his/her appeal at the College/School Board hearing may not appeal to the University Academic Integrity Hearing Board.
  2. The appeal must be in writing and must be filed with the Provost within 10 business days of the date of the Dean's decision letter.
  3. The Provost or designee will appoint and charge a University Academic Integrity Hearing Board to conduct the hearing. The Hearing Board will be comprised of three members. One member must be a student and one of the other members will act as Hearing Board Chair. The hearing shall follow the procedures set forth in the Student Code of Conduct Procedures, except that the College/School will take the role of the Dean of Students and the Provost or designee will take the role of the Senior Vice President for Educational Outreach and Student Services.
- J. Review and Decision of a Degree or Certificate Revocation
1. Anyone with a good faith basis to believe that an ASU alumnus has engaged in Academic Dishonesty may report the alleged violation to the Office of the University Provost.
  2. The Provost's designee will investigate and make an initial determination as to whether there is a sufficient basis to believe that the alumnus engaged in Academic Dishonesty and whether the appropriate sanction includes degree or certificate revocation.
  3. If the Provost's designee decides to initiate an Academic Dishonesty complaint, he/she will notify the alumnus of the allegations and provide the alumnus an opportunity to respond.

4. The Dean of the College/School that awarded the degree or certificate may choose to convene an ad hoc committee to review the evidence and make a recommendation as to whether the alumnus engaged in Academic Dishonesty and the appropriate sanction.
5. In cases not involving graduate students, after reviewing the evidence and committee recommendation, if any, the Dean of the College/School that awarded the degree or certificate will render a written decision as to whether the alumnus more likely than not engaged in Academic Dishonesty and the appropriate sanction.
6. In cases involving graduate students, after reviewing the evidence and committee recommendation, if any, the Dean of Graduate College in consultation with the Dean of the College/School that awarded the graduate degree or certificate, will render a written decision as to whether the alumnus more likely than not engaged in Academic Dishonesty and the appropriate sanction.
7. If the Dean recommends that the Provost revoke a degree or certificate, the letter from the Dean will state that the alumnus may appeal the recommendation by filing a written request for review with the Provost within 10 business days after the date the notification was sent.
8. If the alumnus does not timely appeal, the Provost or designee will review the recommendation and issue a final decision.
9. If the alumnus files a timely appeal, the Provost or designee will establish a University Academic Integrity Hearing Board to conduct the hearing. The hearing shall follow the procedures set forth in the Student Disciplinary/Grievance Procedures, except that the College/School will take the role of the Dean of Students and the Provost will take the role of the Senior Vice President for Educational Outreach and Student Services.

K. XE Grade

1. The XE grade will be recorded on the student's official and unofficial transcript with the notation "failure due to academic dishonesty." The XE grade shall be treated in the same way as an E for the purposes of grade point average and determination of academic standing.
2. No student with an XE grade on his/her transcript shall be permitted to represent the University in any extracurricular activity or to run for or hold office in any recognized student organization.
3. Generally, the XE grade will remain on the transcript permanently. For other cases, after at least 12 months have elapsed since the XE grade was imposed, the student may file a written petition to the Dean to have the XE grade removed and replaced with an E grade. The decision to remove the XE grade and replace it with an E grade is within the discretion and judgment of the Dean.
4. Before replacing an XE grade with an E grade, the Dean may confer with other University officials and may require the student to attest that he/she has not been involved in any other act of academic dishonesty or similar disciplinary offense at ASU or another institution. If the student's representation is later discovered to be false, the Dean may reinstate the XE grade and recommend suspension or expulsion.

L. Procedures Following Final Decision

1. If any student work affected by the finding of Academic Dishonesty has been placed in the library or forwarded to a third party in partial fulfillment of degree requirements, that work may be removed from the library or withdrawn from the third party.
2. A student's official and unofficial transcript may reflect that an XE grade, suspension from the university, expulsion from the university, or degree or certificate revocation was the result of Academic Dishonesty.
3. One year after the completion of a suspension for Academic Dishonesty, a student may petition to have the notation of suspension for Academic Dishonesty removed from his or her transcript. The student must submit a written petition to the Provost which summarizes his or her academic and personal history since the suspension which justifies removing the notation. The decision to remove the notation that the student was suspended for Academic Dishonesty is within the sole discretion and judgment of the Provost.
4. A notation of expulsion from the university or degree or certificate revocation resulting from Academic Dishonesty is permanent.
5. A degree may be revoked if its requirements were not adequately fulfilled.
6. If a degree is revoked and a transcript was forwarded to another institution, ASU will notify the institution of the revocation.

M. Other University Policies

The University's Misconduct in Research Policy is independent of the Student Academic Integrity Policy and the Guidelines for Graduate Appeals. Individual conduct may also violate and be subject to review and sanctions under these policies

**Links:**

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

**Meet Your Academic Integrity Officer**

The Academic Integrity Officer for a college/school serves as the lead educator for faculty and students to sustain a culture of academic integrity at ASU and to increase awareness of the university's academic integrity policy [1].

Both student and faculty can contact the Academic Integrity Officer for your College/School to report an academic integrity violation or to ask questions related to academic integrity policies and procedures.

Meet some of your academic integrity officers in this video. They are here for you. They will help you find an answer that avoids problems with academic integrity. We invite you to meet with your academic integrity officer and know who they are.

Meet your academic integrity officers video on YouTube [2]

***Academic Integrity Officers*****Josh Allen [3]**

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**Source URL:** <https://provost.asu.edu/academic-integrity/officers>

**Links:**

- [1] <https://provost.asu.edu/academic-integrity/policy>
- [2] <https://youtu.be/wV9MccsROrM>
- [3] <https://isearch.asu.edu/profile/2598892>
- [4] <mailto:joshallen@thunderbird.asu.edu>
- [5] <https://isearch.asu.edu/profile/1137098>
- [6] <mailto:amanda.andrew@asu.edu>
- [7] <https://isearch.asu.edu/profile/1640141>
- [8] <mailto:charles.barbee@asu.edu>
- [9] <https://isearch.asu.edu/profile/2389947>
- [10] <mailto:rebecca.blatt@asu.edu>
- [11] <https://isearch.asu.edu/profile/38013>
- [12] <mailto:gary.grossman@asu.edu>
- [13] <https://isearch.asu.edu/profile/274329>
- [14] <mailto:justin.harding@asu.edu>
- [15] <https://isearch.asu.edu/profile/669751>
- [16] <mailto:kelli.haren@asu.edu>
- [17] <https://isearch.asu.edu/profile/761062>
- [18] <mailto:katherine.kenny@asu.edu>
- [19] <https://isearch.asu.edu/profile/516336>
- [20] <mailto:catherine.kerrey@asu.edu>
- [21] <https://isearch.asu.edu/profile/44723>
- [22] <mailto:kate.lehman@asu.edu>
- [23] <https://isearch.asu.edu/profile/207603>
- [24] <mailto:ida.malian@asu.edu>
- [25] <https://isearch.asu.edu/profile/57028>
- [26] <mailto:k.maxwell@asu.edu>
- [27] <https://isearch.asu.edu/profile/59936>
- [28] <mailto:lisa.m.murphy@asu.edu>
- [29] <https://barretthonors.asu.edu/honors-faculty/dr-peter-schmidt>

- [30] <mailto:peter.a.schmidt@asu.edu>
- [31] <https://isearch.asu.edu/profile/968601>
- [32] <mailto:Amanda.A.Smith@asu.edu>
- [33] <https://isearch.asu.edu/profile/97026>
- [34] <mailto:Tamara.underiner@asu.edu>
- [35] <https://wpcarey.asu.edu/people/profile/579769>
- [36] <mailto:joseph.vanorden@asu.edu>
- [37] <https://isearch.asu.edu/profile/721880>
- [38] <mailto:thomas.t.williams@asu.edu>

## Student resources

Over the course of your academic journey here at Arizona State University, you will be challenged to continually build upon your skills and academic abilities. At times, pressure and stress can arise from balancing busy schedules, academic commitments, and personal commitments. In these moments of adversity, it's important that you make ethical decisions and uphold a high standard of integrity for you and for others.

### *Behaviors and actions*

#### **What does Sun Devil Integrity look like?**

To see the behaviors and actions of Sun Devil Integrity, view the infographic below or download the PDF [1].

#### **Academic Integrity at ASU tutorial**

The Academic Integrity at ASU tutorial [2] also will walk you through the importance of academic integrity. Upon completion of the tutorial, you will be able to:

- Describe the five types of academic integrity
- Identify the do's and don'ts of academic integrity at ASU
- Recognize the consequences of academic dishonesty

### *Strategies*

#### **Strategies for how to complete your work with integrity**

**Be informed:** Understand ASU's expectations regarding academic integrity by understanding the Academic Integrity Policy [3] and Student Code of Conduct [4].

**Ask questions:** If you are not sure if something is really cheating, ask your professors, T.A.s, academic integrity officers, or academic advisors.

**Seek tutoring:** Ask your professors and others in your department for help in finding academic support. Help is available from the following sources:

- On-campus, in-person writing support [5]
- Online support for citations and style manuals [6]
- Tutoring and academic success resources [7]

**Stay healthy:** Checkout the Live Well at ASU [8] webpages to obtain information, resources and involvement opportunities found in each element are designed to positively impact you academic performance, personal well-being and assist you in reaching your full potential.

## **Avoiding plagiarism**

Plagiarism may be the most common form of academic dishonesty and is often unintentional. Protect yourself by understanding how to avoid plagiarism at Arizona State University using the following resources.

### **What is plagiarism?**

#### **Defining plagiarism**

Acts of plagiarism can be glaringly obvious or very subtle. Understanding plagiarism, with all of its intricacies and nuances, provides a foundation of knowledge one can use to make sound decisions and avoid getting caught up in a plagiarism scandal—whether intentional or unintentional.

#### **Document sources appropriately**

Lapses in one's technique for paraphrasing ideas, quoting information or citing sources can make way for accusations of plagiarism. Make it a point to learn how to integrate the ideas of others and to document the sources of “borrowed” information appropriately. View citation styles [6].

#### **Avoiding unintentional plagiarism**

Keeping track of the deluge of notes and source material can become a mind-boggling undertaking, and mistakes can lead to unintentional plagiarism. Learn about web-based tools such as RefWorks [9] Bibliographic Management Software.

### **Self-plagiarism**

Quoting words or borrowing ideas without reference to the author is a problem, even if you happen to be the author.

#### **Same story – different outlets**

You cannot:

- submit the same paper for different classes
- use sections of your previous work for a comp exam answer
- expand on your master's thesis for your dissertation
- submit the same research article to different journals

Learn more about the complicated issue of self-plagiarism. Talk to your Academic Integrity Officer about what this means for you.

#### **Recycling is not always good**

Not when it comes to your own words. Many researchers use the same literature, research methods or analyses across studies and find it time consuming to write new versions of these sections. Yet blind journal reviewers or electronic crosschecking may indicate you are plagiarizing. Take the time to rephrase and remember you need to cite yourself.

#### **Avoid salami-slicing**

Or publishing multiple studies from the same data set. You may need to reduce a complex set of distinct hypotheses into separate papers. If so, let the readers know you did this. If the slices can be combined to make a whole, then it is better to go with the whole salami. To learn more about the nuances of “salami-slicing” in your discipline just pop this term into Google scholar and it will open your eyes.

### **Self-plagiarism resources**

1. Brettag, T. & Mahmud, S. (2009). Self-Plagiarism or Appropriate Textual Re-use? *Journal of Academic Ethics*, 7:193–205 <http://www.springerlink.com.ezproxy1.lib.asu.edu/content/256280445158v940/> [10]
2. Scanlon, P. M. (2007). *Song from Myself: An Anatomy of Self-Plagiarism*. Vol. II. Ann Arbor, MI: Scholarly Publishing Office, University of Michigan Library <http://hdl.handle.net/2027/spo.5240451.0002.007> [11] retrieved July 2010

## Plagiarism tutorial

Take the Plagiarism Awareness: Don't Stumble Into it Accidentally! [12] tutorial. Upon completion of the tutorial, you will be able to:

- Define and recognize plagiarism.
- Explain the importance of citation in the scholarly environment.
- Demonstrated strategies to avoid unintentional plagiarism.
- Recognize and explain the consequences of plagiarism.

## Resources for citations

Visit the ASU Library citation styles [13] webpage as a reference for citing resources appropriately using APA, MLA, Chicago, or other citation-style guidelines. The site also offers exercises to help you practice the appropriate use of citations.

## Contract cheating

### Definition of contract cheating

Contract cheating is a type of academic dishonesty where a student asks another person to complete all or part of their work for them. The student may ask someone they know to write a paper for them, as a favor, or they may pay someone to do it. Regardless of whether money changes hands or not, presenting someone else's work as your own is always cheating.

### What are some of the ways contract cheating negatively impacts you and the ASU community?

There are numerous ways in which contract cheating negatively impacts you, your fellow students, and the ASU community. Here are a few:

- You do not acquire any of the knowledge that your instructor intended for you to learn when you have someone else do your work. By doing so, you are taking away your opportunity to grow as a student and professional contract cheating is a very serious academic integrity violation which could result in suspension or expulsion permanently from the University.
- Students who complete their work on their own are disadvantaged by students who are cheating.
- When you ask someone to do work for you, you are asking them to cheat on your behalf. Your request for their help will lead to negative consequences for them as well.

### What are some things I can do if I am overwhelmed and notice that I am becoming tempted by contract cheating?

Part of the learning process as a college student is to work your way through challenging times in an honest and ethical manner. Spending time prioritizing your assignments and engaging in good time management practices is ideal. However, you may still experience times where you feel overwhelmed by multiple deadlines and projects.

There are resources to support you:

- Communicate and/or meet with your instructor.
- Schedule an appointment to talk to your advisor.
- Meet with the Academic Integrity Officer [14] in your college/school.
- Utilize your college/school tutoring resources.
- Utilize the ASU resources [15] offered from the Dean of students' office.
- Contact the ASU First Year Success Center [16].
- Contact the International Students and Scholars Center [17].

Remember, it is better to do poorly on an assignment or even fail an examination than it would be to commit an academic integrity violation. The skills you develop working through challenging situations, enhances your resiliency and makes you an even more effective college graduate.

**Source URL:** <https://provost.asu.edu/academic-integrity/resources/students>

## Links:

- [1] [https://provost.asu.edu/sites/default/files/academic\\_integrity\\_infographic.pdf](https://provost.asu.edu/sites/default/files/academic_integrity_infographic.pdf)
- [2] [https://www.asu.edu/lib/tutorials/storyline/academic-integrity/story\\_html5.html](https://www.asu.edu/lib/tutorials/storyline/academic-integrity/story_html5.html)
- [3] <https://provost.asu.edu/academic-integrity/policy>
- [4] <https://www.asu.edu/studentaffairs/studentlife/srr/>
- [5] <https://studentsuccess.asu.edu/student-services/writing-centers>
- [6] <https://libguides.asu.edu/citing>
- [7] <https://students.asu.edu/academic-success>
- [8] <https://wellness.asu.edu/>
- [9] <https://libguides.asu.edu/refworks>
- [10] <http://www.springerlink.com.ezproxy1.lib.asu.edu/content/256280445158v940/>
- [11] <http://hdl.handle.net/2027/spo.5240451.0002.007>
- [12] [https://www.asu.edu/lib/tutorials/storyline/plagiarism-awareness/story\\_html5.html](https://www.asu.edu/lib/tutorials/storyline/plagiarism-awareness/story_html5.html)
- [13] <https://libguides.asu.edu/c.php?g=263988&p=1762933>
- [14] <https://provost.asu.edu/academic-integrity/officers>
- [15] <https://eoss.asu.edu/resources>
- [16] <https://fys.asu.edu/>
- [17] <https://issc.asu.edu/>

## Attendance

The instructor has full authority to decide whether class attendance is required.

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

## Enrollment and Degree Verification

Arizona State University is frequently asked to certify a student's earned degrees and/or enrollment status (full-time, part-time, etc.). Enrollment status is determined by the number of credits for which a student is enrolled during the term in which certification is requested. Courses a student has withdrawn from are not included. Note that classes taken for audit are included in total enrolled hours.

### How to obtain an enrollment or degree verification

1. Log in to My ASU [1] and navigate to the My Classes box
2. Select Grades & Transcripts
3. Select Transcripts & Test Scores
4. Select Enrollment Verification

You will be able to select from several options including your major, earned degrees, and semester and cumulative GPA, and print out the Enrollment Verification as a PDF.

If you need special information on your Enrollment Verification, or if you need a specialty verification form completed such as the Canadian or Alaskan form, submit an Enrollment Verification Request [2] form at any University Registrar Services location [3] (photo ID required for in-person visits). Requests by email, mail or fax **must** include the student's verifiable signature. Please allow up to two business days for processing.

For students that attended the **Thunderbird School of Global Management prior to December 31, 2014**, information on how to obtain verification of your Thunderbird coursework or degree can be found here [4].

If you have questions or need additional information, please contact University Registrar Services, Records & Enrollment Services at 480-965-3124 or [registrar@asu.edu](mailto:registrar@asu.edu) [5].

## Enrollment & degree verification for outside agencies and third parties

ASU has contracted with the National Student Clearinghouse [6] to process all enrollment and degree verification requests for employers, employment agencies, background search firms, and various other businesses that offer products or services based on the individual's status as an enrolled student.

- If you need assistance, contact National Student Clearinghouse [6] directly at 703-742-4200.
- If the National Student Clearinghouse can confirm the degree or enrollment, the response is immediate and requestors will be able to print or obtain a PDF version of the verification.
- Enrollment verifications for each term will be available starting the first week of classes for that term.
- A fee will be charged for this service.

## Full-time and half-time credit requirements for enrollment verification purposes

### Fall & Spring Semesters

Status	Undergraduate	Graduate
Full time	12+ credit hours	9+ credit hours
3/4 time	9 - 11 credit hours	7 - 8 credit hours
Half time	6 - 8 credit hours	5 - 6 credit hours
Less than half time	1 - 5 credit hours	1 - 4 credit hours

### Summer Sessions

Status	Undergraduate	Graduate
Full time	4+ credit hours	3+ credit hours
Half time	2 - 3 credit hours	2 credit hours
Less than half time	1 credit hour	1 credit hour

**Research and Teaching Assistants:** For fall and spring semesters, research and teaching assistants must be enrolled in at least six credit hours to be considered full time. For summer sessions, they must be enrolled in at least two credit hours to be considered full time and one credit hour to be considered half time.

**Financial Aid Recipients:** Full-time and half-time credit requirements may be different for financial aid disbursement purposes. Please review the Award Disbursement Rules [7] to determine the required enrolled hours needed for financial aid disbursement.

## Co-operative education

Students are required to be enrolled in a designated co-op course within their college for a minimum of one credit hour during the co-op semester. Co-op students will be identified for enrollment verification purposes as being in full-time status. This will include verification to the National Student Clearinghouse for loan deferment purposes. The co-op experience must meet the clock time in hours of work to meet the full-time enrollment requirement, as monitored by the student's college. A credit hour is defined as a minimum of 45 clock hours. Please review the Award Disbursement Rules [7] to determine the required enrolled hours needed for financial aid disbursement.

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

### Links:

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

[2] <http://students.asu.edu/forms/enrollment-verification>

[3] <http://students.asu.edu/contact/office-university-registrar>

[4] [https://asu.secure.force.com/kb/articles/FAQ/How-Do-I-Request-Thunderbird-School-of-Global-Management-Enrollment-and-Degree-Verification/?q=thunderbird+enrollment&l=en\\_US&fs=Search&pn=1](https://asu.secure.force.com/kb/articles/FAQ/How-Do-I-Request-Thunderbird-School-of-Global-Management-Enrollment-and-Degree-Verification/?q=thunderbird+enrollment&l=en_US&fs=Search&pn=1)

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

[6] <http://www.studentclearinghouse.org/>

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

## Glossary of Academic Terms

### University Academic Good Standing (Undergraduate) [1]

2.00 cumulative GPA

- College-specific academic good standing rules can be developed. Example: W. P. Carey Academic Good Standing. Use the college name in a policy title to differentiate it from university policy.

### University Academic Warning

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester (fall or spring) is considered to be in the status of University Academic Warning.

### University Academic Probation [2]

An undergraduate student is placed on University Academic Probation if, at the end of a semester (fall or spring), that is not the student's first semester at ASU, the student has a cumulative GPA of less than 2.00, or the student received an academic warning in the prior term.

- Colleges may establish specific criteria for their own Academic Probation status, to be defined as "College Name" Academic Probation. The college Academic Probation status may take the place of University Academic Probation but may not replace the University Academic Warning. Example: Fulton Schools of Engineering Academic Probation.

### University Continuing Academic Probation

[2]A student is said to be on University Continuing Academic Probation each semester (fall or spring) that student (previously on University Academic Probation) earns a semester GPA greater than 2.00, but yet has a cumulative GPA of less than 2.00.

- Colleges may establish individual time limits and specific semester GPA requirements for Continuing Academic Probation, to be defined as "College Name" Continuing Academic Probation.

### **Co-enrolled Continuing Probation Program [3]**

Select disqualified students may participate in the Co-enrolled Continuing Probation Program at the discretion of their college or school. Under this program, the student takes UNI 220 Academic Refresher plus one ASU course selected by the student's advisor, and the student co-enrolls at a Maricopa Community College with a schedule selected in consultation with the ASU advisor. If, upon completion of the term, the student has a combined semester cumulative GPA of 2.50, the student may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

### **Ineligible**

A student who is in University Academic Good Standing, but is ineligible to remain in their major based on college specific academic requirements. This status was phased out during the 2015-2016 academic year with new tracking requirements and University Academic Good Standing policies.

### **Disqualified [4]**

A student on University Academic Probation who does not earn a semester GPA of 2.00 or greater (fall or spring) will be disqualified. Students who are disqualified are not permitted to enroll at ASU in any subsequent fall or spring semester unless they are readmitted.

### **Satisfactory Progress [5]**

This term is used in different ways for students, such as with regard to financial aid, sponsored international programs, athletics and veterans' benefits. Satisfactory Progress is a complex calculation specific to major and situation. This term does not refer to Academic Standing.

### **Progression [5]**

This term refers to how a student meets milestones and degree requirements in movement toward achieving degree completion. This term does not refer to Academic Standing.

### **Reinstatement [6]**

A student who has previously been academically disqualified and seeks to return either for a fall or spring semester a) immediately or b) after a period of absence and has met college admissions standards.

### **Quick Re-entry [7]**

The term Quick Re-entry refers to a streamlined process in which students do not need to submit a new application or application fee if they are undergraduate degree-seeking students who previously attended ASU but have not been enrolled at ASU for one fall or spring semester, or for no more than two consecutive semesters.

### **Readmitted [7]**

Students not eligible for Quick Re-entry (i.e., because they have not been enrolled at ASU for three or more semesters, completed their academic program or were academically disqualified), must apply for readmission and submit applicable fees. Candidates for readmission who are not in academic good standing are subject to college review. A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible.

### **eAdvisor [8]**

A suite of tools used to monitor student progression towards degree completion including Degree Search, major maps and the tracking of critical and necessary requirements (8 semester tracking application).

### **Major Map**

A major map is an eight-semester, optimal course plan that outlines a recommended sequence of courses, enabling full-time students to graduate in four years. The major map is posted on a student's My ASU in the My Programs box under Degree Progress.



## **Necessary Requirement**

As identified on the major map, as a curricular or non-curricular degree requirement that the faculty have identified as necessary for timely completion of degree requirements. Necessary requirements appear in terms 5-8.

## **eAdvisor Tracking**

ASU's eAdvisor Tracking outlines critical courses, GPA requirements and milestones that predict success in each major and tracks students' progress toward meeting them. Sometimes called 8 Semester Tracking, or Critical Tracking, eAdvisor Tracking evaluates how a student's completed courses meet degree requirements in a specific term. Includes both critical and necessary courses. Also refers to the student application for viewing all major map requirements and progression towards meeting those requirements (personalized major map).

## **Critical Requirement**

[9]As identified on the major map, as a curricular or non-curricular degree requirement that the faculty have identified as critical predictors of success in a specific major. Critical requirements can be courses, grades, GPAs or non-curricular requirements such as submitting a fingerprint clearance card. Critical Requirements appear in terms 1-4.

## **Off Track**

A student who has not met one or more critical requirements as stated in terms 1-4 of their major map in a given fall or spring semester.

## **Twice Off Track**

A student who has not met one or more critical requirements as stated in terms 1-4 of their major map in two consecutive fall or spring semesters.

## **On Track**

A student who has met all critical requirements identified in terms 1-4 of the major map in the current term and previous terms against which they are being evaluated (as identified in the major map).

## **On Track to Graduation**

A student who has met all necessary requirements (terms 5-8) in the current term and necessary or critical requirements in previous terms against which they are being evaluated (as identified in the major map).

## **Off Track to Graduation**

A student who has not met one or more necessary requirements (terms 5-8) as stated in their major map in a given fall or spring semester.

## **Academic Status Reports**

ASRs allow faculty to provide weekly feedback to students regarding class performance. Through My ASU [10] students see an indicator notifying them that they have received an ASR, which can include suggested follow-up items and information about academic resources so that they can get the help they need to be successful.

## **Academic Support Team**

Each student has an academic advising committee that helps them set personal academic goals, understand policies and create strategies for staying on track towards graduation. The committee is listed on the student's My ASU page. Also included is information about how advising services work in the student's department, how to get answers to advising questions and how to make an appointment with an advisor.

## **Milestones**

A curricular or non-curricular requirement that needs to be completed by a specific point in time. Examples: portfolio review or audition.

## **Progress Reports**

Progress reports from eAdvisor allow students to track their progress through audits available on My ASU [11]. The DARS Graduation Audit outlines a complete list of degree requirements, including university graduation requirements, General Studies and major requirements. The DARS Graduation Audit is the official record used to verify degree completion. A major map is an eight-semester, optimal course plan that outlines a recommended sequence of courses, enabling full-time students to graduate in four years.

In addition to traditional progress reports, eAdvisor students can run a critical requirement audit and view their tracking status in My Major Map at any time during the semester. My Major Map, also available on My ASU, provides students the ability to track how their courses are meeting degree requirements as well as their progress toward completing other critical requirements (GPAs and milestones required to stay on track). A student's record may change multiple times during the semester because of dropped courses, transferred credit, completed milestones or changed majors. The system accounts for changes to student records and updates eAdvisor status, My Major Map and the DARS Graduation Audit nightly.

## **Priority Tasks**

eAdvisor places important notes and reminders in the Priority Tasks box on students' My ASU page. If students become off track, an advising hold is placed on their record. While they may drop and withdraw from a course, they will not be able to add courses to the current semester. Students with off-track status will not be able to register for future fall and spring semesters until they have contacted their advisor and discussed strategies for getting back on track. The advisor will then remove the hold. Other tasks, from student support areas such as Financial Aid and the Registrar's Office will also appear in this box.

## **Concurrent Degree [12]**

Internal to the university, two degrees, same level, same time, and may include some shared courses. Concurrent degrees can be either preapproved combinations or unique combinations added by the student via petition. Examples: JD/PhD or BS/BSE. Two diplomas are awarded.

## **Multiple Concentration**

Internal to the university, one degree awarded, same level, same time, some shared courses. For undergraduate degrees with multiple concentrations, students may not share coursework between the core concentration curricula. Multiple concentrations are typically added by petition. Example: Business (Global Leadership), BA and Business (Sustainability), BA.

## **Joint Degrees**

Joint programs, or jointly conferred degrees, are a single program of study offered by more than one college at ASU that provide opportunities for students to take advantage of the academic strengths of two academic units. Upon graduation, students are awarded one degree and one diploma conferred by both colleges. Both colleges will appear on the transcript and diploma.

## **Dual Degree**

An offering that is both internal and external to ASU. The student pursues two degrees simultaneously, one with ASU and one with an external institution. Example: ASU and Mayo Clinic.

## **Accelerated bachelors/masters (4 + 1) [13]**

The 4+1 accelerated bachelor's and master's degrees are designed by the academic units to provide select high-achieving undergraduate students with the opportunity to combine advanced undergraduate coursework with graduate coursework to accelerate graduate degree completion. These programs allow accelerated students to obtain a bachelor's degree and a master's degree within five years. These programs are preapproved combinations and are internal to ASU.

## **Accelerated bachelors/master's degree (3 +2)**

A preapproved pathway to achieving a bachelor's degree and a graduate level degree in five years. These are pre-established relationships, typically with international institutions.

## Experiential Learning

Experiential learning such as internships and co-ops are integral to the preparation of an ASU graduate.

- An **internship** is a structured practical experience, which allows students to gain work-based skills with the possibility of earning academic credit. Students follow a contract or a plan and are supervised by faculty or practitioners in the career field. Credit-bearing internships are an approved way to meet elective requirements and can count towards the University 120 hour graduation requirement at the undergraduate level. The department and individual faculty determine whether or not a specific internship experience meets the requirements of the unit and how many credit hours should be awarded.
- A **cooperative education program**, commonly known as a co-op, is a structured method of combining classroom-based education with practical work experience. Co-ops allow students to earn academic credit for structured job experience as well as a paycheck to help finance their college education. Co-ops are a joint venture between a college or university, a selected employer, and the student.

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

### Links:

[1] [https://catalog.asu.edu/retention\\_standing#goodstanding](https://catalog.asu.edu/retention_standing#goodstanding)

[2] [https://catalog.asu.edu/retention\\_standing#probation](https://catalog.asu.edu/retention_standing#probation)

[3] [https://catalog.asu.edu/retention\\_standing#coenrolled](https://catalog.asu.edu/retention_standing#coenrolled)

[4] [https://catalog.asu.edu/retention\\_standing#disqualified](https://catalog.asu.edu/retention_standing#disqualified)

[5] [https://catalog.asu.edu/retention\\_standing#progress](https://catalog.asu.edu/retention_standing#progress)

[6] [https://catalog.asu.edu/retention\\_standing#reinstatement](https://catalog.asu.edu/retention_standing#reinstatement)

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

[8] <https://eadvisor.asu.edu/>

[9] <https://catalog.asu.edu/undergraduatereq/#eadvisor>

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

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

[12] <https://catalog.asu.edu/undergraduatereq/#concurrent>

[13] <https://students.asu.edu/graduate/acceleratedprograms>

## Grades and Grading Policies

### Credit enrollment

The semester hour is the unit on which credit is computed. It represents one 50-minute class exercise per week per semester. To obtain credit, a student must be properly registered and must pay fees for the course.

### Grading options and definitions

Ordinarily a grade of "A+," "A," "A-," "B+," "B," "B-," "C+," "C," "D," or "E" is given upon completion of a course, unless another grading option such as "audit" or "pass/fail" is indicated at the time of registration. *Grading options cannot be changed after the close of the drop/add period.*

The instructor of a course has full discretion in selecting which grades to use and report from the available grading options.

<b>Fall 2004 and After<sup>1</sup></b>			
<b>Grade</b>	<b>Undergraduate Definition</b>	<b>Graduate Definition</b>	<b>Value</b>
A+			4.33
A	Excellent	Excellent	4.00
A-			3.67
B+			3.33
B	Good	Good	3.00
B-			2.67
C+			2.33
C	Average	Passing	2.00
D	Passing	No Graduate Credit	1.00
E	Failure	Failure	0.00
EN	Failing Never Participated <sup>2</sup>	Failing Never Participated <sup>2</sup>	0.00
I	Incomplete	Incomplete	—
NR	No Report	No Report	—
P	Pass	n/a <sup>3</sup>	—
W	Withdrawal	Withdrawal	—
X	Audit	Audit	—
Y	Satisfactory	Satisfactory	—

Z	Course In Progress	Course In Progress	—
XE	Academic Dishonesty	Academic Dishonesty	0.00

<sup>1</sup> Although the plus/minus scale includes a grade of A+ with a value of 4.33, the cumulative GPA is capped at 4.00. Questions about the grade scales may be referred to the University Registrar Services at registrar@asu.edu [1]. For grading scales prior to fall 2004 click here [2].

<sup>2</sup> Effective fall 2016 and later.

<sup>3</sup> Not applicable for graduate classes.

<b>Law Grading [3]</b>				
Fall 2009 and after			Fall 2009 and after Additional Grades	
A+		4.33	CR	Credit
A	Excellent	4.00	NR	No Report
A-		3.67	P	Pass
B+		3.33	X	Audit
B	Good	3.00	W	Withdrawal
B-		2.67	I	Incomplete
C+		2.33	H	Honors
C	Average	2.00	HH	High Honors
D	Deficient	1.00	XE	Academic Dishonesty
E	Failing	0.00		
EN	Failing Never Participated <sup>4</sup>	0.00		

<sup>4</sup> Effective fall 2016 and later.

For grading scales prior to fall 2009, click here. [2]

### **Incomplete (I)**

A mark of "I" (incomplete) is given by the instructor when you are otherwise doing acceptable work but are unable to complete the course because of illness or other conditions beyond your control. You are required to arrange with the instructor for the completion of the course requirements. The arrangement is recorded on the Request for Grade of Incomplete form [4]. Do not re-register or pay fees to complete the course. The completion date is determined by the instructor but may not exceed one calendar year from the date the mark of "I" is recorded. When you complete the course, the instructor must submit an online grade change request. If you receive an "I" in an undergraduate course in the fall 1983 or thereafter, your grade will be automatically changed to a failing grade "E" if you do not complete the course within one calendar year. If you receive an "I" in a graduate course (500-level or above) your "I" grade will become a permanent part of your transcript if you do not complete the course within one year, and you will have to reregister and pay fees to repeat the course for credit. Marks of "I" are changed to a grade of "E" (0.00) for purposes of evaluating graduation requirements for undergraduate students.

### **No Report (NR)**

The "NR" grade simply means that a grade has not yet been reported. Once final grade processing takes place for the semester, most classes will have an actual grade posted instead of the "NR". If an "NR" grade appears for a course in a prior semester, you should contact the instructor of the course to find out why a final grade was not recorded.

### **Pass (P)**

The "P" grading option is used to indicate a passing grade in a class when an individual student receives permission from both the class instructor and his/her college or school. For further information about this grading option, contact your advisor. If you earn a "P" grade, you will earn hours, but the grade is not used for computing your GPA.

A "P" grade should only be assigned when an individual student receives permission to take a course as pass/fail. Permission is recorded on the Pass/Fail Enrollment form [5]. If the course only awards pass/fail grades, the "Y" grade should be utilized to indicate successful completion of the course.

### **Withdrawal (W)**

If you withdraw from a class after the first week of school, you will receive a mark of "W" on your transcript. You earn no credit or grade for withdrawn classes.

### **Audit (X)**

A student may choose to audit a course, in which case the student attends regularly scheduled class sessions, but no credit is earned. The student should obtain the instructor's approval before registering and paying the fees for the course. Selected courses may not be audited. Veteran students using education benefits should see Veterans Services.

The mark of "X" is recorded for completion of an audited course unless the instructor determines that the student's participation or attendance has been inadequate, in which case the mark of "W" (withdrawal) may be recorded. This grading option may not be changed after the close of the drop/add period. The "X" is not included in earned hours and is not computed in the GPA.

## **Satisfactory (Y)**

The "Y" grade is generally used as a grade for successfully completed internships, projects, readings and conference, research, seminars, theses, dissertations, and workshops. You earn hours for a "Y" grade, but the grade is not used for computing your GPA.

A "Y" grade is used for courses in which the instructor assigns only grades of "Y" or "E." If a course utilizes only the letter grades of A+, A, A-, B+, B, B-, C+, C, D, and E, but an individual student receives permission to take the course for pass/fail credit, the "P" (pass) or "E" (fail) grade should be assigned to that student.

## **Course in Progress (Z)**

The "Z" grade is typically used for courses where work will not be completed within one semester's time, such as research, thesis, and dissertation. Once coursework is complete, your instructor will submit a grade change to assign an appropriate grade. Some courses, such as continued registration, do not earn credit and the "Z" grade will remain on your transcript.

## **Failing Never Participated (EN)**

The grade of "EN" denotes failure due to the student never participating in a course and is treated the same as an "E" for the purposes of GPA, course repeatability, and academic standing determination. The "EN" grade assists ASU in determining a student's financial aid eligibility. For federal aid purposes, we must determine if a student participated in all courses for which they received federal aid. When a student does not participate, the financial aid office must recalculate the student's eligibility. A grade of "EN" will display on the student's transcript beginning fall 2016. Please review the "Grades and Grade Selection" section of the Grade Posting FAQs [6] page for more information about the "EN" grade.

## **Academic Dishonesty (XE)**

The grade of "XE" denotes failure due to academic dishonesty and is treated the same as an "E" for the purposes of GPA, course repeatability, and academic standing determination. A student may not avoid any penalty for academic dishonesty by withdrawing from a course. A student may be reinstated to a course to receive a penalty of a reduced or failing grade or XE.

## **Grading resources for faculty and staff**

Support and roster contacts [7].

## **Grade reports**

You can obtain your final grades after every semester by using any of the following methods:

To view or print your grades, sign in to My ASU [8] using your ASURITE UserID and Password.

Submit a request for an official grade report that will show the grades for the last semester in which grades have been processed. You may submit a request to any registration site [9].

## Grade changes

Ordinarily the instructor of a course has the sole and final responsibility for any grade reported. Once the grade has been reported to the registrar, it may be changed upon the authorization of the faculty member who issued the original grade, a department chair, and the dean of the college concerned. This policy also applies to the grade of "I" (incomplete).

Grade changes are submitted online and receive approval by the department chair (or designee) and the dean of the college (or designee) in which the course is offered. Once approvals are received, the new grade will be reflected on your transcript immediately.

## Repeating courses

An undergraduate course taken by undergraduate students at ASU may be repeated for credit if the grade or mark of "D", "E", "W", "X" is received. To be eligible for the deletion of "D" or "E" grades from calculations of the GPA, the course must be repeated at ASU. Independent Learning courses may not be used to repeat "D" or "E" grades. Students who have graduated are not eligible to delete the grade for a course taken before the award of the ASU bachelor's degree. Undergraduate courses in which grades of "D" or "E" are received may be repeated only once. Generally, students may not repeat an undergraduate course for credit when a grade of "C" or higher is earned.

For additional information on repeating courses, please refer to the following policies:

SSM 203-06: Deletion of a "D" or "E" Grade Received by an Undergraduate in an Undergraduate Course [10]

SSM 203-05: Duplication of Credit by an Undergraduate Student [11]

Graduate students see the ASU Graduate Policies and Procedures [12].

Grade adjustments will be processed automatically after the grades are reported each term. For additional information on repeating a course or the deletion process, contact Records & Enrollment Services at 480-965-3124.

## Demonstration of mastery

An undergraduate student who receives a "D" in a course in which a "C" or higher is required may use the grade from an equivalent course taken elsewhere to demonstrate mastery at the "C" or higher level. However, the course may neither be transferred to ASU (since credit has already been given for the course) nor computed in the student's GPA.

## Grade appeals

ASU has informal and formal processes students may follow to appeal a grade. See the Catalog [13].



## GPA calculation

The following grades and their values are used in computing your semester and cumulative ASU GPA:

Grade*	Grade Point Value
A+	4.33
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
D	1.00
E**	0.00
*Other grades (W, X, Y, etc.) are not included in the GPA calculation.	
**Grades E1, E2, E3, E4, E5, and E8 are equivalent to an E.	

To calculate your GPA, follow these steps below, or use the GPA Calculator [14].

1. Multiply the **grade point** value by the number of semester hours for which the course was taken to determine the honor points.
2. Add together all the **honor points**.
3. Add together all the semester hours that received one of the above grades to determine **net hours**.
4. Divide the honor points by the net hours to calculate the GPA.

$\text{Honor Points} \div \text{Net Hours} = \text{GPA}$

GPA's are rounded to the nearest 100th of a decimal point.

Semester GPA is based on semester net hours. Cumulative GPA is based on total net hours.

Although the plus/minus scale includes a grade of A+ with a value of 4.33, the cumulative GPA is capped at 4.00.

## Example

Course	Semester Hours	Grade	Grade Point Value	Honor Points
ENG 101	3.0	A	4.00	12.00
MAT 117	3.0	B-	2.67	8.01
ECN 111	3.0	E	0.00	0.00
Total:	(net hours) 9.0			20.01
20.01 ÷ 9.0 = 2.22 GPA				

## Credit by examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Learn more [15].

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

### Links:

- [1] <mailto:registrar@asu.edu>
- [2] <https://students.asu.edu/prior-grading-scales>
- [3] [https://students.asu.edu/grades/#\\_edn1](https://students.asu.edu/grades/#_edn1)
- [4] <https://students.asu.edu/forms/incomplete-grade-request>
- [5] <https://students.asu.edu/forms/application-pass-fail-enrollment>
- [6] <https://students.asu.edu/grade-posting-faq>
- [7] <https://students.asu.edu/facultycenter>
- [8] <https://my.asu.edu/>
- [9] <https://students.asu.edu/node/931>
- [10] <http://www.asu.edu/aad/manuals/ssm/ssm203-06.html>
- [11] <http://www.asu.edu/aad/manuals/ssm/ssm203-05.html>
- [12] <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals>
- [13] <http://catalog.asu.edu/appeal>
- [14] <https://students.asu.edu/gpa-calculator>
- [15] [http://catalog.asu.edu/credit\\_exam](http://catalog.asu.edu/credit_exam)

## ASU Transcripts

Official and unofficial ASU academic transcripts are available through University Registrar Services.

Sending your transcripts to ASU? Contact Admissions [1] for mailing address information.

### Official transcripts

An official transcript is a copy of the student's permanent academic record issued by the University Registrar. It displays all courses taken for credit at ASU and includes all grades received. Unlike unofficial transcripts, it is signed and dated by the registrar and displays the ASU seal. **Official transcripts are not issued for students with outstanding financial obligations to the university.**

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For students that attended the **Thunderbird School of Global Management prior to December 31, 2014**, information on ordering official transcripts can be found here [2].

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ASU cannot send official transcripts by email or fax.

University Registrar Services has partnered with Parchment, a digital credentials service, to manage the ordering, processing, and secure electronic delivery of your official ASU transcripts.

All students are encouraged to go online to place their transcript order. This is the easiest and most efficient way to place an order for either a traditional paper transcript or electronic transcript delivery.

### *Electronic delivery of official transcripts*

Official electronic transcripts may only be ordered using Parchment's online request system. Students choosing this option will identify their recipients by selecting them from a list within the ordering system or by providing the email address of their intended recipients.

To expedite and ensure accurate delivery, students should:

- Make sure the transcript recipient will accept the electronic transcripts, so they can avoid paying to send a replacement copy.
- Double check that the email address they provided for an institution or individual is correct, so they can avoid paying again to send a replacement electronic or paper copy.
- Provide their email addresses for notification purposes (the student's email address assists with tracking and confirming delivery by notifying the student when the transcript is sent and when it is received by the selected institution or individual).
- Instruct recipients to allow emails from Parchment (noreplyint@parchment.com [3]) to avoid potential problems with spam filters.

Orders are generally processed immediately, unless you request a hold for degree or grades. (Degrees are posted approximately 6 weeks after the conferral date for the semester.)

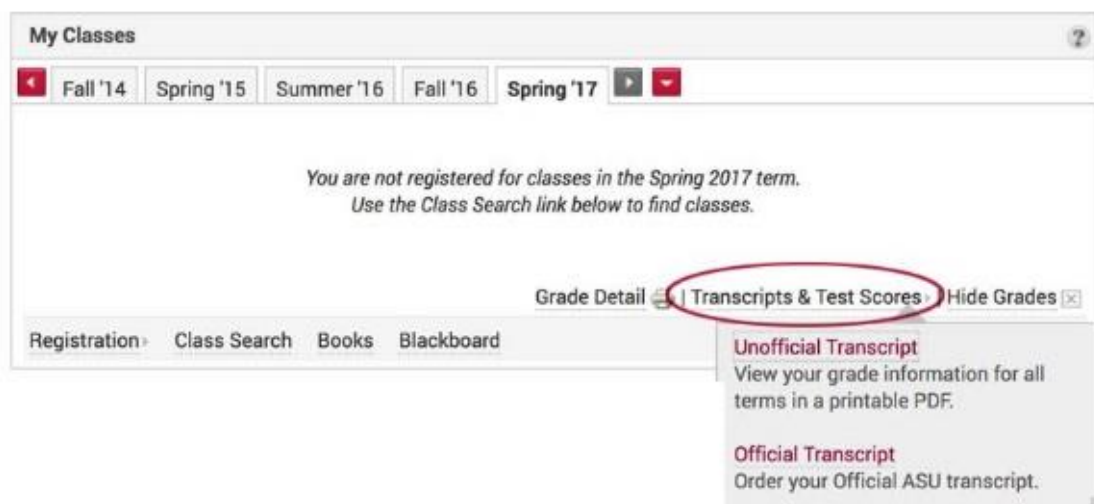
The transcript is not delivered by email; the recipient's email address is used for notification and reminder messages regarding delivery of the student's transcript to a secure site where it can be accessed.

## Ordering official transcripts

Official transcripts can be ordered online, in-person or by mail.

### Online

- Students who have an ASURITE ID — Sign in to My ASU [4] and order official transcripts online. In the My Classes box, click Grades & Transcripts and then Transcripts & Test Scores (see sample My ASU navigation screenshot below).
- Students who attended ASU after 1980 and who do not yet have an ASURITE ID [5] or do not know their ASURITE ID and password — please contact the ASU Help Desk at 855-278-5080 for assistance requesting your ASURITE ID.
- Students who attended ASU prior to 1980 and do not have an ASURITE ID — Request transcripts in person or by mail.



### In Person

Students presenting photo ID may order official transcripts in person at the Cashier's Office at the following locations:

- Downtown Phoenix campus — Mon. - Fri. 8:15 a.m. - 4:30 p.m., University Center Building, Suite 112
- Polytechnic campus — Mon. - Fri. 8:15 a.m. - 4:30 p.m., Administration Building, Room 160
- Tempe campus — Mon. - Fri. 8:15 a.m. - 4:30 p.m., Student Services Building, 244
- West campus — Mon. - Fri. 8:15 a.m. to 4:30 p.m., University Center Building, Room 101

### By Mail

Students may order transcripts by submitting a Request for Official Transcript Form [6] or signed letter including the following information:

- Name
- Former names (if applicable)
- Arizona State University identification number (or SSN)
- Date of birth
- First and last dates of attendance
- Current return address
- Daytime phone number
- Specific mailing address for each transcript ordered

Pre-payment is required. See costs for official transcripts below. Make check or money order payable to Arizona State University.

Send requests for official transcripts to:

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

For further assistance, please call Outgoing Transcripts at 480-965-7276 during business hours.

## Costs

All charges for official transcripts must be paid at time of request. Official transcripts cost \$15.00 per official transcript copy requested.

Rush transcripts (same day service): \$10.00 in addition to the costs for the total number of transcripts ordered. Available for in-person requests only.

- Special delivery in the U.S. — Special delivery processing, instead of regular mail, is available via FedEx or U.S. Express Mail at \$22.00 per U.S. delivery address in addition to the costs for the total number of transcripts ordered.
- Special delivery outside the U.S. — Express delivery to addresses outside the U.S. is available through International FedEx Express or International Express Mail at \$38.00 per delivery address, in addition to the costs for the total number of transcripts ordered.

FedEx requires a street address for delivery. FedEx charges an additional fee for all returned shipments, and the student will be responsible for paying the total amount before the transcript(s) will be mailed.

Transcripts will not be reissued after 90 days from the processed date.

Fees subject to change without notice.

## Apostille

For information on requesting an Apostille. [7]

## Unofficial transcripts

An unofficial transcript is an uncertified copy of the student's academic record. In addition to courses taken for credit at ASU and grades received, unofficial transcripts also include information such as note records regarding grade changes, semester GPAs and probation/disqualification status.

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For students that attended the **Thunderbird School of Global Management prior to December 31, 2014**, information on ordering unofficial transcripts can be found here [8].

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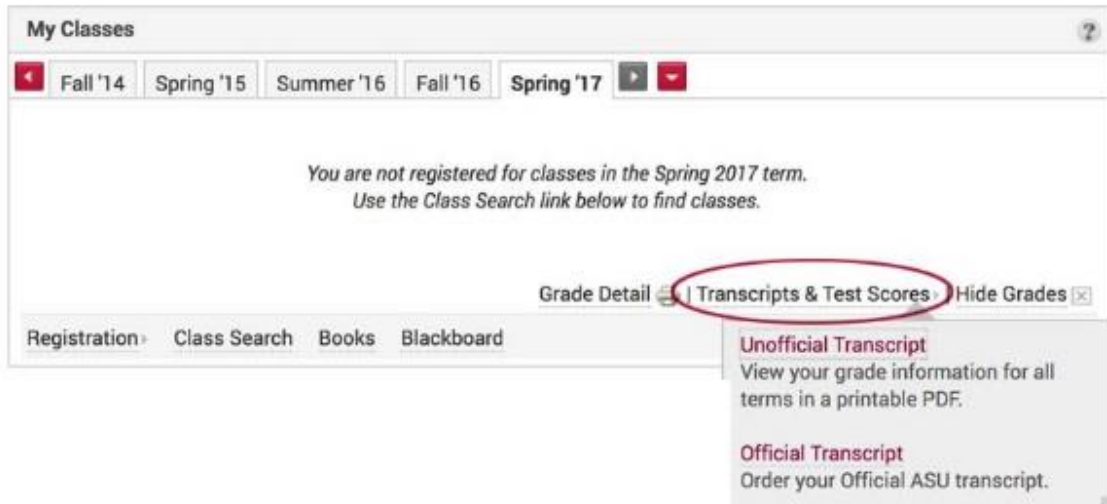
## *Accessing and ordering unofficial transcripts*

Here's how to view and request unofficial transcripts:

## Online

- Students and former students who have an ASURITE ID — Sign in to view and print an unofficial transcript [9]. **You may need to temporarily disable pop-up blocker for this site to retrieve your transcript.**
- Students who attended after 1980 and who do not have an ASURITE ID or do not know their ASURITE ID and password — Request an ASURITE ID [5] to access unofficial transcripts online by contacting the ASU Help Desk at 855-278-5080.
- Students who attended prior to 1980 — ASU does not offer online transcript services for students who attended prior to 1980. Request the unofficial transcript in person, by mail or by fax.

You should be in your My ASU student view to access your transcripts. If you have both a student and staff view, this will be indicated in the top right of your screen.



## In Person

Students presenting photo ID may order unofficial transcripts in person at any campus registration site [10].

## By Mail or Fax

Students may order an unofficial transcript by mailing or faxing a **signed** letter including the following information about the student:

- Name and former names (if applicable)
- Arizona State University identification number (or SSN)
- Date of birth
- First and last dates of attendance
- Current return address
- Daytime phone number
- Return Fax number or specific mailing address

Requests for unofficial transcripts by mail or fax must be signed by the student. No computer-generated signatures will be accepted. Please send requests for unofficial transcripts to:

Outgoing Transcripts  
University Registrar Services  
Arizona State University  
P.O. Box 870312  
Tempe, AZ 85287-0312  
Fax: 480-965-2295

## Costs

There is no fee for an unofficial transcript. For assistance, please contact University Registrar Services [11].

## Transcript FAQs

Have questions? Here are the most common FAQs [12].

If you have an ASURITE ID, want to order online, and are familiar with the applicable transcript policies, you can access your transcripts through My ASU [13].

Click **Grades & Transcripts** in the My Classes box, then **Transcripts & Test Scores**.

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

### Links:

[1] <http://students.asu.edu/contact/admissions>

[2] [https://students.asu.edu/Thunderbird\\_Transcripts](https://students.asu.edu/Thunderbird_Transcripts)

[3] <mailto:noreplyint@parchment.com>

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

[5] <http://asu.force.com/kb/articles/FAQ/How-do-I-get-an-ASURITE-ID-if-I-m-a-former-student>

[6] <https://students.asu.edu/forms/official-transcript-request>

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

[8] <https://students.asu.edu/transcripts-thunderbird#unofficialtranscripts>

[9] <https://www.asu.edu/go/unofficialtranscript/>

[10] <https://students.asu.edu/contact/office-university-registrar>

[11] <http://students.asu.edu/node/931>

[12] <http://students.asu.edu/transcript-faqs>

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

## Transcript FAQs

### *Answers to the most common transcript questions*

What is the procedure to change my name on my ASU transcript? [1]

Will ASU hold my transcript and not send it out until my degree or a specific grade is posted? [2]

Does my ASU transcript list courses I transferred from other institutions? [3]

How can I obtain a copy of previous school transcripts? [4]

Can someone else order/pick up my official transcript for me? [5]

What if I have a delinquent account? Can I still obtain a transcript? [6]

How do I get a course description for a course listed on my ASU transcript? [7]

**Q: What is the procedure to change my name on my ASU transcript?**

Currently enrolled students may submit a Name Change Form by mail, in person or by scanning and e-mailing. All requests require a photo identification and one of the following; marriage license/certificate, adoption papers, court order, divorce decree, social security card or passport/permanent visa. Academic records for formerly enrolled students will not be changed. Certain exceptions apply. For further assistance, call 480-965-7276

**Q: Will ASU hold my transcript and not send it out until my degree or a specific grade is posted?**

On the Request for Official Transcript form or the online ordering system, you may request one of the following holds:

- Hold until degree is posted - Your transcript will not be sent until your degree is posted to your ASU transcript.
- Hold until grades are posted - Your transcript will not be sent until all grades for the term you specified on your order are posted to your ASU transcript.

**Q: Does my ASU transcript list courses I transferred from other institutions?**

No. Credit is awarded for traditional course work successfully completed at institutions of higher learning as indicated by ASU and the Arizona Board of Regents. However, only the name of the institution(s) and degrees awarded are listed on the ASU transcript.

**Q: How can I obtain a copy of previous school transcripts?**

You may request unofficial copies of transcripts from other schools if they were submitted to ASU and if they remain on file. If you are requesting transfer transcripts for official purposes, you must order transcripts from the issuing institutions.

**Q: Can someone else order/pick up my official transcript for me?**

Yes, someone else may order or pick up your official transcript as long as you give written and signed authorization to do so. The request must include all the information requested for ordering an official transcript.

**Q: What if I have a delinquent account? Can I still obtain a transcript?**

You may obtain an unofficial transcript only. All financial obligations must be cleared before an official transcript will be issued. For further assistance, call 480-965-7276 during business hours. The Delinquent Accounts Office can be reached at 480-965-5220.

**Q: How do I get a course description for courses listed on my ASU transcript?**

Course descriptions for catalogs after 1996 can be printed from the web at the catalog web site [9]. For course descriptions prior to 1996, contact University Archives [archives@asu.edu](mailto:archives@asu.edu) [10] or 480-965-4932.

**Source URL:** <https://students.asu.edu/transcript-faqs>

**Links:**

- [1] <https://students.asu.edu/node/11666/#process>
- [2] <https://students.asu.edu/node/11666/#hold>
- [3] <https://students.asu.edu/node/11666/#transfer>
- [4] <https://students.asu.edu/node/11666/#other>
- [5] <https://students.asu.edu/node/11666/#person>
- [6] <https://students.asu.edu/node/11666/#delinquent>
- [7] <https://students.asu.edu/node/11666/#course>
- [8] <https://students.asu.edu/node/11666/#top>
- [9] <https://webapp4.asu.edu/catalog/>
- [10] <mailto:archives@asu.edu>



## University Policy for Student Appeal Procedures on Grades

The steps outlined here, beginning with step A, must be followed by any student seeking to appeal a grade. Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring) regardless whether the student is enrolled at the university. It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college or school in which the course is offered.

### Informal

- A. The aggrieved student must first undergo the informal procedure of conferring with the instructor, stating any evidence and reasons for questioning that the grade received was not given in good faith. The instructor is obliged to review the matter, explain the grading procedure used and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course (regular faculty member or director of the course sequence).
- B. If the grading dispute is not resolved in step A, the student may appeal to the department chair or other appropriate chair of the area within the department (if any). The department chair may confer with the instructor to handle the problem. Step B applies only in departmentalized colleges or schools.
- C. If these discussions are not adequate to settle the matter to the complainant's satisfaction, the student may then confer with the dean of the college or school concerned (or the dean-designate) who will review the case. If unresolved, the dean or designate may refer the case to the college or school academic grievance hearing committee to review the case formally. In most instances, however, the grievance procedure does not go beyond this level.

### Formal

The following procedure takes place after steps A, B and C (or A and C) have been completed.

- D. Each college or school has on file in the office of the dean (and in each department of the college or school) the procedures and composition of the undergraduate or graduate academic grievance hearing committee for student grievances. Each college or school committee shall operate under grievance procedures as stated, which satisfy due process requirements. The committee shall always meet with the student and the instructor in an attempt to resolve the differences. At the conclusion of the hearing, the committee shall send its recommendations to the dean.
- E. Final action in each case will be taken by the dean after full consideration of the committee's recommendation. Any recommended grade changes may be made by the dean. The dean shall inform the student, instructor, department chairperson (if any), registrar and grievance committee of any action taken.

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

# Undergraduate Policies and Procedures

## Admission

### First Year students

#### How and when to apply as a first-year student

We're here to help make each step toward becoming a Sun Devil a smooth experience. Follow the steps below to apply to become a first-year student at ASU.

#### Admission requirements

##### Course competency requirements

To be admitted to ASU, you will need the following:

- 4 years math
- 4 years English (non-ESL/ELL courses)
- 3 years lab sciences (1 year each from biology, chemistry, earth science, integrated sciences or physics)
- 2 years social sciences (including 1 year American history)
- 2 years same second language
- 1 year fine arts or 1 year career and technical education

Detailed course requirements [1]

##### Aptitude requirements

To be admitted to ASU, you will need one of the following:

- top 25% in high school graduating class
- 3.00 GPA in competency courses (4.00 = "A")
- ACT: 22 (24 nonresidents)
- SAT: 1120 (1180 nonresidents)

These aptitude requirements meet the general university admission requirements. Some degree programs may require higher GPAs in competency courses and/or ACT/SAT scores. To find the requirements for your specific program, please visit ASU's Degree Search [2].

Applicants must successfully complete the ASU competency requirements. Admission may be granted with one deficiency in no more than two competency areas. Deficiencies cannot be in both math and laboratory science. Students must earn a minimum 2.00 in each subject area. Most competencies may also be met by test scores or college courses. See detailed competency requirements [1] for more information.

#### Steps to apply

##### Step 01 Complete an undergraduate admission application

Apply online with ASU's Application for Admission [3] or the Common Application [4]. You need to submit only one application to be considered for admission to ASU.

To expedite the admission decision, use ASU's Application for Admission [3] and self-report your high school grades [5]. The benefit of using the Common Application is that one application can be submitted to multiple colleges, with an additional supplemental form and fee for each college. The fee for the Common Application and ASU's Application for Admission may be different, so please review before deciding which option is right for you. ASU does not require an essay or personal statement in either option.

ASU's Application for Admission [3]

Common Application [4]

## **Step 02 Submit the nonrefundable application fee**

Arizona residents: \$50  
Domestic nonresidents: \$70

You can pay using a credit card (Visa or MasterCard) or eCheck at the time you submit your application or when you log in to My ASU. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

## **Step 03 Send your transcripts**

If you do not self-report your grades in the ASU application, you must have your high school send an official copy of your transcripts to ASU.

An official transcript [6] is required for all students upon graduation from high school indicating their high school graduation date. Otherwise, financial aid and scholarship disbursements will be held.

Have your official high school transcripts sent from the issuing institution to the address below.

**Admission Services Applicant Processing**  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

## **Step 04 Request to have your ACT or SAT scores sent directly to ASU**

ACT or SAT scores are required for merit scholarship consideration and ASU course placement. They are also required for some majors and can be helpful in the general admission process. Have your scores sent to ASU from ACT [7] or the College Board (SAT) [8] when you register for the test. Learn more about sending your test scores to ASU in our FAQ section [9].

## **Step 05 Check application status**

Once you've completed all these steps, ASU will review your application. To see if you have any missing items and to review your admission status, sign in at My ASU using your ASURITE UserID, which is sent to you after you apply for admission.

Check application status [10]

## **Step 06 Fill out the FAFSA**

The Free Application for Federal Student Aid [11] is used to award federal grants, loans, work-study and certain scholarships, and can be filed now for the 2019-2020 school year. We encourage you to file right away. ASU's Federal School Code is 001081.

## **Important Fall 2020 admission and financial aid dates**

### **July 1, 2019**

ASU fall admission application opens

### **Sept. 1, 2019**

ASU Scholarship Portal opens

### **Oct. 1, 2019**

2020–2021 Free Application for Federal Student Aid opens  
ASU's Federal School Code is 001081

### **Nov. 1, 2019**

Priority admission deadline

**Jan. 15, 2020**

ASU's FAFSA priority date

File your FAFSA by this date to maximize the amount of financial aid you could qualify for.

**Jan. 15, 2020**

Regular admission date

Complete your application for fall admission by this date to ensure you're considered for the maximum amount of scholarship opportunities.

**May 1, 2020**

Future Sun Devil Day

Secure your spot for fall 2020 by paying the enrollment deposit.

**Aug. 22, 2020**

First day of fall 2020 classes

**Helpful admission information****Higher admission requirements**

If your first-choice major has higher requirements, you will be instructed to select a second major without higher requirements.

Explore degrees [2]

**Common Application**

ASU accepts both the Common Application [4] and our own online application [3] for incoming first-year students. Only one application will be accepted, with no preference between the ASU application and the Common Application. If two applications are submitted, one will be canceled in our system. Application fees are nonrefundable.

Go to Common App [4]

**Self-report your grades**

ASU accepts self-reported high school grades on the undergraduate admission application. Submission of an ACT or SAT score is highly recommended for merit-based scholarship consideration.

More about self-reporting [5]

**Individual review**

ASU admission decisions begin the first week of September. Students who do not meet the admission standards will be evaluated through individual review and may experience a longer wait time for an admission decision.

**Homeschool students**

ASU welcomes applications from home-educated students. You can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.

More about homeschooling [12]

**How to apply if you have a GED**

Students may also meet admission requirements by submitting an official GED score of 500 or above for tests taken before January 2014 or a GED battery average score of 170 or above for tests taken after January 2014.

**Source URL:** <https://admission.asu.edu/freshman/apply>

**Links:**

[1] <https://admission.asu.edu/freshman/competency-requirements>

[2] <https://webapp4.asu.edu/programs/t5>

[3] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

- [4] <https://apply.commonapp.org/Login?ma=901>
- [5] <https://admission.asu.edu/freshman/self-reporting>
- [6] <https://admission.asu.edu/transcripts>
- [7] <https://www.act.org/content/act/en/products-and-services/the-act/scores/sending-your-scores.html>
- [8] <https://collegereadiness.collegeboard.org/sat/scores/sending-scores/how-to-send>
- [9] <https://admission.asu.edu/contact/faqs#general>
- [10] <https://my.asu.edu>
- [11] <https://fafsa.ed.gov>
- [12] <https://admission.asu.edu/freshman/homeschool>

## Detailed admission requirements

### How to meet course competency requirements at ASU

Competency requirements may be met with high school work, college work or test scores. These requirements must be met regardless of your major or the number of transferable hours you have earned. Students must earn a minimum 2.00 GPA in each competency area.

Admission may be granted with one deficiency in no more than two competency areas. Deficiencies in both math and laboratory science are not acceptable.

For exceptions to the competency requirements, see below [1].

### English competency requirement

Meet one of the following:

- four years of high school English (composition or literature based)
- minimum test score of 21 on ACT English, or 580 on SAT evidence-based reading and writing
- one transferable or three-credit college English composition course

#### English composition placement

All freshman and transfer students who have not earned a "C" or better in a transferable freshman English composition course, or who have not received a score of 4 or 5 on the Advanced Placement examination in English offered by the College Entrance Examination Board, must submit ACT or SAT scores before registration to be placed in an appropriate English course.

### Mathematics competency requirement

Meet one of the following:

- four years of high school courses: one year each of algebra I, geometry, algebra II, and an advanced math class for which algebra II is a prerequisite
- minimum test score of 24 on ACT math, or 560 on SAT math
- one transferable three-credit college math course for which at least intermediate algebra is a prerequisite

### Laboratory science competency requirement

You may meet one of the following or any combination of the three as long as you have three different laboratory-based sciences:

- three years of different high school laboratory sciences

Lab sciences should be an entire year in length. Please select three from the following list: biology, chemistry, earth science or physics. A laboratory-based integrated science course may be allowed to substitute for one of the three lab sciences. Additionally, an advanced placement course, a higher level international baccalaureate course, or other honors course taken in the last two years of high school in the same subject as a previous course can still satisfy one lab science requirement.

- minimum test scores in three standardized tests from three different subject matters

The following tests may be taken: SAT II subject test score in chemistry-600, biology-590, physics-620 or ACT test score in science-20.

- three transferable four-credit college laboratory science courses from the following: biology, chemistry, earth science or physics

An integrated laboratory science or advanced level laboratory-based science may be substituted for one of these laboratory subjects.

### **Foreign language competency requirement**

Meet one of the following:

- two years of the same high school foreign language
- attainment of minimum score on a national standardized foreign language test or placement into a third semester college foreign language class based on university placement exam results
- two transferable three- or four-credit, college-level courses in the same foreign language

### **Social science competency requirement**

Meet one of the following options from Section A and one from Section B:

#### Section A

- one year of high school American history
- minimum SAT II subject test score of 560 on American history/social studies
- one transferable three-semester-hour college American history course

#### Section B

- one year of high school social science (e.g., European history, world history, economics, sociology, geography, government, psychology or anthropology)
- minimum SAT II subject test score of 580 on world history
- one transferable three-semester-hour college social science course

### **Fine arts or career and technical education competency requirement**

Meet one of the following:

- one year (or a combination of two semesters) of high school fine arts or career and technical education
- one transferable three-credit college fine arts course

### **Exceptions**

You do not need to meet competency requirements if one of the following statements is true:

- You have completed an associate or higher level degree from a regionally accredited postsecondary institution with a minimum 2.00 GPA ("A"=4.00) if you are an Arizona resident, or you have a minimum 2.50 GPA ("A"=4.00) if you are a nonresident.
- You have completed the Arizona General Education Curriculum (AGEC) with a minimum 2.00 GPA ("A"=4.00) if you are an Arizona resident or a 2.50 GPA ("A"=4.00) if you are a nonresident.

See also the ASU Academic Catalog [2]

**Source URL:** <https://admission.asu.edu/freshman/competency-requirements>

#### **Links:**

[1] <https://admission.asu.edu/freshman/competency-requirements#exceptions>

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

## Self-reporting your grades to ASU

### Self-reported admission application

To expedite admission decisions, ASU accepts self-reported high school grades on the undergraduate admission application. After you graduate from high school, submit a final high school transcript that includes your graduation date. Submission of an ACT or SAT score is highly recommended for merit-based scholarship consideration.

ASU admission decisions for the fall semester begin the first week of September. If you do not meet initial eligibility, you may be placed into individual review and experience a longer wait time for an admission decision.

Incoming Arizona resident freshmen who are eligible for the Obama Scholars Program must have a completed admission application, the application fee or a waiver, and the FAFSA submitted by Jan. 1, 2019. Transcripts and test scores are due by Jan. 15, 2019, in order to be considered for the program.

### Step-by-step self-reporting application guide

#### Step 01 Start your ASU application

Apply online with ASU's Application for Admission [1] or the Common Application [2]. You need to submit only one application to be considered for admission to ASU.

ASU's Application for Admission [1]

Common Application [2]

#### Step 02 Click "Yes, I would like to accurately report my grades..."

There will be a drop-down menu where you will enter your overall academics and most importantly, required high school courses.

#### Step 03 Enter all your courses and grades as they appear on your official transcript

- For each academic year 9 – 12, you will enter all courses and grades individually for English, math, science, social science, language, fine arts, electives, etc.
- Select from a list of course names or write the course in the Course Title section.
- Choose whether this course was taken in a semester, trimester, quarter or full year.
- Enter the level of the course. You can choose from a normal high school course, an honors course, an Advanced Placement course or an International Baccalaureate course.
- Enter your course grade in the Grade section.

#### Step 04 Click on "Add Course" and repeat Step 3 as needed

Keep adding courses until all courses have been submitted.

### Frequently asked questions about the self-reported application to ASU

#### WHAT DOES IT MEAN TO SELF-REPORT MY GRADES?

During the application process, you will be asked to enter all your courses and grades for years 9 to 11 as they appear on your official high school transcript. You will also be asked to enter your in-progress courses for year 12. Self-reporting your grades speeds up the admission decision process. ASU will verify your grades based on your final transcripts prior to your enrollment.

#### HOW DO I ENTER MY COURSES AND GRADES?

To accurately enter all information, you must have your high school transcript when filling out the Required High School Courses section in My Grades. All semester, trimester or quarter grades must be listed in the Required High School Courses section.

## AM I ABLE TO INCLUDE COLLEGE COURSES OR DUAL CREDIT COURSES I HAVE TAKEN WHILE IN HIGH SCHOOL?

Yes, the application gives you the option to self-report any college courses or dual credit courses you have taken before enrolling at ASU.

## WHAT SHOULD I DO IF MY HIGH SCHOOL LISTS MY GRADES NUMERICALLY?

If your transcript includes a numerical grading scale, click on 100 point based in the Grading System section and then select the number range for your grades in the Grades section.

## WHEN DO I SUBMIT MY FINAL TRANSCRIPTS?

If you have been admitted and intend to enroll at ASU, you will need to send your official high school transcript once you graduate. Do not send any official transcripts during the application process or before you graduate.

View more FAQs [3]

**Source URL:** <https://students.asu.edu/freshmen/self-reporting>

### Links:

[1] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

[2] <https://apply.commonapp.org/Login?ma=901>

[3] <https://admission.asu.edu/contact/faqs#freshman>

## Admission for homeschool students

### Apply to ASU

Arizona State University welcomes homeschool students and recognizes the unique academic experiences these students contribute to our rich, scholarly environment. We have a growing community of home-educated students who thrive at ASU.

We understand that your academic background differs from students who attended traditional public, private or charter schools. As a homeschool student, you can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.

### Admission requirements

As a homeschool student, you must meet the general requirements for ASU admission, including specific documentation with your application to confirm your completion of the requirements.

#### Competency requirements

Per Arizona Board of Regents policy, laboratory sciences must include one class period per week in a laboratory environment and students must complete the Evaluation of Laboratory Science Courses form [1] as part of the application process. Please email your completed Evaluation of Laboratory Science Courses form to ASU's homeschool representative [2].

#### Aptitude requirements

When you submit your ACT or SAT scores and apply to ASU, you'll also be automatically considered for one of ASU's New American University scholarships [3].

#### Graduation requirement

Upon completion of your secondary school education, complete the Affidavit of Completion of Secondary School Education [4]. The affidavit must be completed by a parent or guardian and notarized.



## Steps to apply to ASU as a home school student

### Step 01 Send your Transcripts

If you took courses at a community college or university, you must have your official transcript [5] sent to ASU.

Have your transcript sent from the issuing institution to the address below.

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

### Step 02 Request to have your ACT or SAT scores sent directly to ASU

ACT or SAT scores are required for merit scholarship consideration and ASU course placement. They are also required for some majors and can be helpful in the general admission process. Have your test scores sent to ASU from ACT or College Board.

More info on SAT and ACT [6]

### Step 03 Fill out the FAFSA

The Free Application for Student Aid [7] is used to award federal grants, loans, work-study and certain scholarships, and can be filed now for the 2019-2020 school year. We encourage you to file right away. ASU's Federal School Code is 001081.

## Admission to Barrett, the Honors College

Homeschool students who want to be considered for admission to Barrett, The Honors College [8] are encouraged to submit a separate application — early application is strongly suggested. Please contact the Barrett admission staff [9] for help with any questions about the college and application process.

## Scholarship opportunities

Homeschool students will be considered for ASU scholarships upon admission. Explore scholarships and additional types of financial aid [10].

## Frequently asked questions about homeschool student admission at ASU

### CAN I BE ADMITTED TO ASU AS A HOMESCHOOL STUDENT?

Yes, ASU welcomes and values all our homeschool students and the special academic experiences they bring to the university. Homeschool students submit the same ASU admission application as students who went to public or private school.

### ARE HOMESCHOOL STUDENT ADMISSION REQUIREMENTS THE SAME AS HIGH SCHOOL STUDENT ADMISSION REQUIREMENTS?

Yes, like public and private high school students, homeschool students must meet and demonstrate completion of ASU's general requirements for university admission [11].

### CAN HOMESCHOOL STUDENTS APPLY FOR FINANCIAL AID?

Yes, homeschool students are eligible to apply for and receive financial aid. You should submit the Free Application for Federal Student Aid [12] to see how much federal aid you may be eligible to receive. By submitting ACT or SAT scores, ASU will automatically consider you upon admission for a merit scholarship.

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

### Links:

[1] <https://admission.asu.edu/freshman/homeschool/affidavit>

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

- [3] <https://students.asu.edu/scholarships/newamericanuniversity>
- [4] <https://admission.asu.edu/freshman/apply/homeschool/affidavit>
- [5] <https://admission.asu.edu/transcripts>
- [6] <https://admission.asu.edu/freshman/apply#satact>
- [7] <https://studentaid.ed.gov/sa/fafsa>
- [8] <https://barretthonors.asu.edu/>
- [9] <https://barretthonors.asu.edu/about/contact-us>
- [10] <https://scholarships.asu.edu>
- [11] <https://admission.asu.edu/freshman/apply>
- [12] <https://fafsa.gov>

## Admitted students

Now that you've been admitted to ASU, start taking your next steps to becoming a Sun Devil.

### Your next steps after admission to ASU

#### Step 01 Activate your ASURITE UserID and check My ASU

Stay up to date on your next steps by checking My ASU [1] regularly. Take care of tasks like submitting your final transcripts, sending in your test scores and submitting your immunization forms.

#### Step 02 Apply for scholarships

Search and apply for departmental and private scholarships through ASU's Scholarship Portal [2]. The general scholarship application, which is used for many ASU scholarships, is typically available in September and close by Feb. 1.

#### Step 03 Fill out the FAFSA

The Free Application for Federal Student Aid [3] is used to award federal grants, loans, work-study and certain scholarships, and can be filed now for the 2019-2020 school year. We encourage you to file right away. ASU's Federal School Code is 001081.

#### Step 04 Confirm your attendance

Upon admission, first-year students pay an enrollment deposit [4]. The deposit may be paid on My ASU [1] beginning Oct. 1.

#### Step 05 Register for orientation

ASU New Student Orientation [5] is required for all incoming first-year students. It's where you and your family will connect with other new students and learn about ASU resources, and you'll start to feel like a Sun Devil.

#### Step 06 Confirm your housing and dining preferences

All first-year students are expected to live on campus in one of ASU's residential communities [6]. You will live with students who share similar academic majors.

See VR tours and floor plans [7] of the residential communities.

#### Step 07 Give your parents access to your records and account

Through My ASU Parent Guest Access, you can share your academic records with your parent or guardian, and give them access to pay your tuition and bills. Go to My ASU [1], select the **Profile** tab at the top, and find **Add a Guest** under My ASU Guest Access Permissions.

## Useful links and resources

[AP/IB Credit Guide \[8\]](#)  
[Athletics \[9\]](#)  
[Degrees \[10\]](#)  
[Financial aid and scholarships \[11\]](#)  
[Find my rep \[12\]](#)  
[First-Year Success Center \[13\]](#)  
[Housing \[6\]](#)  
[Pat Tillman Veterans Center \[14\]](#)  
[Pre-health \[15\]](#)  
[Pre-law \[16\]](#)  
[Residency verification \[17\]](#)  
[Scholarship Estimator \[18\]](#)

## Frequently asked questions about admitted first-year students

### HOW DO I ACCEPT MY ADMISSION TO ASU?

To accept your admission to ASU, pay the \$300 enrollment deposit. By doing this, you will be confirming your spot in the freshman class, and you'll be able to take your next enrollment steps, such as selecting your housing and dining preferences and your orientation date.

### WHEN DO I APPLY FOR FINANCIAL AID?

You should apply for financial aid as early as possible. Start by completing a Free Application for Federal Student Aid [19]. The FAFSA opens on Oct. 1 and ASU's FAFSA priority filing deadline is Jan. 1. You should also search ASU's Scholarship Portal [2] to find scholarships that match your qualifications. Many scholarships have application deadlines in February or March. And be sure to submit your ACT or SAT scores to ASU for automatic consideration for a university merit scholarship.

### CAN I TAKE CLASSES AT ASU THE SUMMER BEFORE MY FIRST FALL SEMESTER?

Yes, if you are admitted to ASU for the fall semester, you may begin taking classes the summer before that fall semester.

[View more FAQs \[20\]](#)

**Source URL:** <https://admission.asu.edu/freshman/admitted>

### Links:

[1] <https://my.asu.edu>  
[2] <https://scholarships.asu.edu>  
[3] <https://fafsa.ed.gov>  
[4] <https://admission.asu.edu/freshman/deposit>  
[5] <https://eoss.asu.edu/orientation>  
[6] <https://housing.asu.edu/>  
[7] <https://housing.asu.edu/housing-communities/residential-colleges>  
[8] [https://catalog.asu.edu/credit\\_exam](https://catalog.asu.edu/credit_exam)  
[9] <https://thesundevils.com>  
[10] <https://asu.edu/degrees>  
[11] <https://students.asu.edu/financialaid>  
[12] <https://admission.asu.edu/findmyrep>  
[13] <https://fys.asu.edu>  
[14] <https://veterans.asu.edu>  
[15] <https://students.asu.edu/prehealth>  
[16] <https://students.asu.edu/prelaw>  
[17] <https://students.asu.edu/residency>  
[18] <https://scholarships.asu.edu/estimator>  
[19] <https://fafsa.gov>  
[20] <https://admission.asu.edu/contact/faqs#freshman>

## Transfer students

Apply as a Transfer Student

### Steps to apply

Learn how and when to apply to ASU.

#### Step 01 Complete an undergraduate admission application

Apply online with ASU's Application for Admission [1] or the Common Application [2]. You need to submit only one application to be considered for admission to ASU.

ASU Application [1]

Common Application [2]

#### Step 02 Activate My ASU and your ASURITE UserID

You will receive your ASURITE UserID and activation code via email within one to three business days of submitting your application. If you have previously applied to ASU, your ASURITE UserID will remain the same. You'll use your ASURITE UserID to login to My ASU.

#### Step 03 Submit the nonrefundable transfer application fee

Arizona residents: \$50

Domestic nonresidents: \$70

Common application fee: \$70

You can pay for the ASU application fee using a credit card (Visa or MasterCard) or eCheck at the time you submit your transfer application or when you log in to My ASU. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

#### Step 04 Request to have your official transcripts sent to ASU

College or university transcripts

ASU requires official transcripts from all previous institutions attended in order to process your application. Please contact the registrar's office at your college or university and request your official transcripts be sent directly to Admission Services. Official transcripts delivered by hand will be accepted only if they are sealed in the original envelope provided by the community college or university and bear the university seal and the signature of the registrar of the issuing institution.

If your college or university uses Parchment, eSCRIP or National Clearinghouse to send electronic transcripts, please request that your institution send us your official transcripts by choosing Arizona State University on the request form.

Upon graduation or completion of your final semester at your current school, request a final transcript be sent directly to ASU Admission Services to determine final admission status. Receipt of your final transcript impacts financial aid disbursement and your eligibility to register for classes. (Note: ASU does not accept faxed college transcripts.)

High school transcripts

If you haven't completed an associate degree, you must submit one of the following:

- Official high school transcript with a graduation date
- Official GED/HiSet transcripts
- Affidavit of Completion of Secondary School Education

ASU accepts hand-delivered official high school transcripts in sealed envelopes from applicants. (Note: ASU does not accept faxed high-school transcripts.)

## Test scores

If applicable, have your ACT or SAT scores sent directly to ASU. If you have taken AP, IB or CLEP exams, request your scores be sent directly to ASU.

**Have your test scores (e.g., ACT, SAT, TOEFL) and official high school or college transcripts sent from the issuing institution to the address below.**

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

Are you an international transfer student? International transfer student information [3]

## Admission requirements

A transfer applicant is a student who has attended one or more colleges or universities and has completed 12 or more transferable credits post-high school. Students with 11 or fewer transferable credits are considered incoming freshmen.

### Competency requirement

You must have completed one of the following:

- graduated from high school
- earned a GED

### Aptitude requirement

You must meet one of the following:

- Transfer students with 12 or more transferable credits must have a minimum 2.50 cumulative GPA. Transfer students with 12 — 23 transferable credits must also meet freshman aptitude requirements [4].
- Students who have earned an associate degree from a regionally accredited higher education institution must have a minimum 2.00 cumulative GPA (residents) or 2.50 cumulative GPA (nonresidents).

Some majors have higher admission requirements. To find the requirements for your specific program, please visit ASU's Degree Search [5].

"A" = 4.00; ASU accepts college-level courses in which you have earned a "C-" or better.

## Schedule a transfer appointment

Make a half-hour appointment with an ASU transfer specialist or college representative to learn more about studying at ASU and get all your questions answered.

Schedule an appointment [6]

## Important dates

### Fall 2019:\*

#### Oct. 1, 2018

2019–2020 FAFSA opens

#### Jan. 1, 2019

FAFSA priority date

#### Late Feb. 2019

Class registration begins

#### April 1, 2019

Priority admission deadline

#### Aug. 22, 2019

Classes begin

## Spring 2020:

### Oct. 1, 2019

FAFSA priority date

### Late Oct. 2019

Class registration begins

### Nov. 1, 2019

Priority admission deadline

### Dec. 2019

Submit your final transcripts

### Jan. 13, 2020

Classes begin

\*Students must submit their FAFSA and application materials by Feb. 1 to be considered for ASU merit and need-based awards. Late applicants will be considered for university admission, but ASU undergraduate degree programs with higher transfer admission standards will give priority consideration to applications submitted by Feb. 1. You can find other important dates on ASU's academic calendar [7].

## Frequently asked questions about transferring to ASU

### WHAT ARE ASU TRANSFER REQUIREMENTS?

To apply to ASU as a transfer student, you must have earned either a high school diploma or a GED. Additionally, you must have one of the following:

Transfer students with 12 or more transferrable credits must have a minimum 2.50 cumulative GPA. Transfer students with 12 — 23 transferable credits must also meet freshman aptitude requirements [4].

Students who have earned an associate degree from a regionally accredited higher education institution must have a minimum 2.00 cumulative GPA (residents) or 2.50 cumulative GPA (nonresidents).

### WHEN (DURING MY STUDIES) SHOULD I APPLY FOR TRANSFER ADMISSION?

You should begin the transfer application process one year prior to your planned start date at ASU. This will help ensure a smooth transition to the university as well as increase your opportunities for financial assistance.

### HOW DO I APPLY FOR TRANSFER ADMISSION TO ASU?

If you meet university admission requirements, you can apply for transfer admission by completing the undergraduate student application [1], paying the application fee, and having your official transcripts and test scores to ASU.

View more FAQs [8]

**Source URL:** <https://transfer.asu.edu/apply>

### Links:

[1] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

[2] <https://apply.commonapp.org/login?ma=901>

[3] <https://admission.asu.edu/contact/international>

[4] <https://admission.asu.edu/freshman/apply#admissionrequirements>

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

[6] <https://admission.asu.edu/reallcalendar-node-field-avail-app-date/week>

[7] <http://students.asu.edu/academic-calendar>

[8] <https://admission.asu.edu/contact/faqs#transfer>

## Transfer FAQs

### HOW DO I KNOW IF I'M CONSIDERED A TRANSFER STUDENT?

At ASU, a transfer student is anyone applying for admission who has attended another college or university and has completed 12 or more transferable credits post-high school, at the time of application. If you are completing college courses while in high school, you are considered a freshman and not a transfer student.

### DO I HAVE TO TAKE THE ACT OR SAT TO TRANSFER TO ASU?

It depends on your particular situation. If you transfer fewer than 24 transferable credits, you must also meet freshman admission requirements, which may require ACT and SAT scores. Also, some majors, such as business, require a particular ACT or SAT score for admission into the program. Take a peek at the ASU undergraduate Degree Search [1] for admission information specific to your major.

### WHO CAN I SPEAK WITH ABOUT MY TRANSFER TO ASU?

ASU's expert transfer specialists are available to answer your questions and help with your transfer to ASU. Find your transfer specialist [2].

### DO I NEED TO SEND MY HIGH SCHOOL TRANSCRIPTS TO APPLY FOR ADMISSION?

Yes, unless you have an associate degree (or higher) from a regionally accredited college or university posted on your transcripts. High school transcripts should be sent directly from your high school to:

ASU Admission Services  
P.O. Box 871004  
Tempe AZ 85287-1004

### DO I HAVE TO SEND ALL MY COLLEGE TRANSCRIPTS AS PART OF MY ADMISSION APPLICATION?

Yes, for ASU to determine whether you meet admission requirements, we must evaluate your entire academic history, including course work completed at each college or university attended, regardless of academic performance. College transcripts should be sent directly from your college to:

ASU Admission Services  
P.O. Box 871004  
Tempe, AZ 85287-1004

### I ATTENDED ASU PREVIOUSLY. AM I A TRANSFER STUDENT OR A READMISSION STUDENT? DO I NEED TO REAPPLY?

If you have previously attended ASU as a degree-seeking student, you will be considered a readmission student. Please see readmission information [3].

### I APPLIED TO ASU AND WAS ADMITTED, BUT DID NOT ATTEND. DO I NEED TO REAPPLY?

Yes, you need to reapply. Be sure to sign in to My ASU [4] to see if any additional items are needed to complete your file.

### DO I HAVE TO HAVE AN ASSOCIATE DEGREE TO TRANSFER TO ASU?

No, you can transfer to ASU at any time as long as you meet the transfer admission requirements. However, ASU recommends attaining your associate degree before transferring.

### AS A TRANSFER STUDENT, HOW DO I KNOW HOW MANY CREDITS CAN BE APPLIED TOWARD MY MAJOR?

Once you are admitted, you'll work with your academic advisor and review your DARS (Degree Audit Report System) to see which credits apply to your major.

## WHAT PREREQUISITES DO I NEED TO COMPLETE BEFORE I CAN TRANSFER TO ASU?

There are no prerequisites required to be admitted to ASU, unless you have fewer than 24 transferable credits. Students with fewer than 24 transferable credits are required to meet freshman admission requirements [5], including aptitude and competency requirements.

## CAN I LIVE ON CAMPUS AS A TRANSFER STUDENT?

Yes, ASU has housing devoted specifically to upper-division students and strongly encourages all students to live on campus during their first year at ASU. For more information, please refer to University Housing [6].

There are also a variety of off-campus housing options in close proximity to ASU's campuses. For more information on off-campus housing, check out Off-Campus Housing [7].

## **ASU transfer FAQs for California residents**

### IF I'M ATTENDING A CALIFORNIA COMMUNITY COLLEGE, IS THE IGETC/CSU GE REQUIRED TO TRANSFER TO ASU?

The IGETC/CSU GE is not a requirement for admission to ASU but is highly recommended. Completing either of the GE patterns and getting certified by your community college will satisfy the General Studies requirements at ASU. Learn more about how to transfer to ASU from a California community college.

### WHAT DOES IT MEAN TO GET IGETC/CSU GE CERTIFIED?

Getting certified means you have completed all General Education requirements at your California community college. If you have confirmed with your community college counselor that you are eligible for the certification, ASU will require that you submit the official certification along with your official transcripts to Admission Services.

### CURRENTLY, I DON'T MEET THE WESTERN UNDERGRADUATE EXCHANGE ADMISSION REQUIREMENTS. SHOULD I WAIT TO APPLY?

No. Even though you may not currently qualify for WUE, we will always re-evaluate your admission to the program if you currently have courses in progress and submit your final transcripts.

### I LIVE IN CALIFORNIA BUT WOULD LIKE TO MEET WITH AN ASU REPRESENTATIVE IN PERSON TO DISCUSS THE TRANSFER PROCESS. IS THIS POSSIBLE?

ASU representatives will be attending college transfer fairs and hosting various visits at community colleges throughout California. Find your transfer specialist [2] to ask about upcoming opportunities near you.

**Source URL:** <https://admission.asu.edu/contact/faqs#transfer>

#### **Links:**

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

[2] <https://transfer.asu.edu/contact>

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

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

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

[6] [www.asu.edu/housing](http://www.asu.edu/housing)

[7] [www.asu.edu/studentaffairs/reslife/occs/](http://www.asu.edu/studentaffairs/reslife/occs/)



## Transfer pathway programs

### Transfer simplified: Find your path to ASU

Arizona State University has partnered with colleges across Arizona and the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources and help students save time and money in their college journey.

If you are currently enrolled in a community college, find your school below.

If you are not currently enrolled in a partnering college or university, please review the general transfer admission requirements [1].

#### Maricopa community colleges

- Chandler-Gilbert Community College
- Estrella Mountain Community College
- GateWay Community College
- Glendale Community College
- Mesa Community College
- Paradise Valley Community College
- Phoenix College
- Rio Salado College
- Scottsdale Community College
- South Mountain Community College

Find your path [2]

#### Arizona community colleges

- Arizona Western College [3]
- Central Arizona College [4]
- Cochise College [5]
- Coconino Community College [6]
- Diné College [7]
- Eastern Arizona College [8]
- Gila Community College [9]
- Mohave Community College [10]
- Northland Pioneer College [11]
- Pima Community College [12]
- San Carlos Apache College [13]
- Tohono O'odham Community College [14]
- Yavapai College [15]

#### Out-of-state community colleges

ASU partners with community colleges in the following states as part of the Guaranteed Program for Admission:

- California [16]
- Florida [17]
- Illinois [18]
- Texas [19]
- Washington [20]

#### Transferring from another state?

You don't need to be attending a partnering college to transfer to ASU— ASU accepts transfer students from across the country.

How to apply [1]

## Specialty alliances

Students enrolled in the following universities can participate in guided pathways to earning an ASU degree.

- [BYU-Idaho \[21\]](#)
- [Arizona Christian University \[22\]](#)

## Earn your degree without leaving home

ASU strives to serve students and communities across Arizona. Working in partnership with community colleges and the local communities, ASU locations offer high-demand programs that allow students to complete their bachelor's degrees without leaving home.

[ASU@Pinal \[23\]](#)

[ASU@Yuma \[24\]](#)

[ASU@Yavapai \[25\]](#)

[ASU@TheGilaValley \[26\]](#)

[ASU@Cochise \[27\]](#)

[ASU@Pima \[28\]](#)

## Frequently asked questions about transfer pathway programs

### WHAT IS ASU MAPP?

The MAPP, or Maricopa to ASU Pathways Program, is a program that offers students in the Maricopa Community Colleges prescribed coursework in community college, which, once completed, earns them automatic admission to ASU. The MAPP ensures a smooth transition to the university, and can save you time and money in your pursuit of a degree.

### WHAT IS ASU TAG?

The TAG, or the Transfer Admission Guarantee, is a program that offers students in Arizona community colleges (other than Maricopa County) prescribed coursework in community college, which, once completed, earns them automatic admission to ASU. The TAG ensures a smooth transition to the university, and can save you time and money in your pursuit of a degree.

### WHAT IS AN ASU PATHWAY PROGRAM?

In a pathway program, students are prescribed coursework that ensures the classes they take will transfer to ASU and be credited toward their desired degree, which saves time and money. Pathway students also have access to an ASU transfer specialist and ASU tools while still in community college, and get guaranteed admission to ASU upon completing their pathway program.

[View more FAQs \[29\]](#)

**Source URL:** <https://transfer.asu.edu/transfer-pathway-programs>

### Links:

[1] <https://admission.asu.edu/transfer/apply>

[2] <https://admission.asu.edu/transfer/maricopa>

[3] <https://admission.asu.edu/transfer/arizona-western>

[4] <https://admission.asu.edu/transfer/arizona-western>

[5] <https://admission.asu.edu/transfer/cochise>

[6] <https://admission.asu.edu/transfer/coconino>

[7] <https://admission.asu.edu/transfer/dine>

[8] <https://admission.asu.edu/transfer/eastern-arizona>

[9] <https://admission.asu.edu/transfer/gila>

[10] <https://admission.asu.edu/transfer/mohave>

[11] <https://admission.asu.edu/transfer/northland-pioneer>

[12] <https://admission.asu.edu/transfer/pima>

[13] <https://admission.asu.edu/transfer/san-carlos-apache-college>

[14] <https://admission.asu.edu/transfer/tohono-oodham>

- [15] <https://admission.asu.edu/transfer/yavapai>
- [16] <https://admission.asu.edu/transfer/gpa/california>
- [17] <https://admission.asu.edu/transfer/gpa/florida>
- [18] <https://admission.asu.edu/transfer/gpa/illinois>
- [19] <https://admission.asu.edu/transfer/gpa/texas>
- [20] <https://admission.asu.edu/transfer/gpa/washington>
- [21] <https://admission.asu.edu/transfer/gpa/byu-idaho>
- [22] <https://admission.asu.edu/transfer/arizona-christian-university>
- [23] <https://admission.asu.edu/transfer/pinal>
- [24] <https://admission.asu.edu/transfer/asu-yuma>
- [25] <https://admission.asu.edu/transfer/asuyavapai>
- [26] <https://admission.asu.edu/transfer/thegilavalley>
- [27] <https://admission.asu.edu/transfer/asu-cochise>
- [28] <https://admission.asu.edu/transfer/asu-pima>
- [29] <https://admission.asu.edu/contact/faqs#transfer>

### **Guaranteed Program for Admission – California**

Designed for California community college students, the Guaranteed Program for Admission helps you stay focused on earning your undergraduate degree and plan for a smooth transfer to ASU.

Learn about the program [1]

#### **Guaranteed admission requirements**

General university admission is guaranteed upon successfully meeting the following conditions\*:

- an associate degree with a minimum cumulative transfer GPA of 2.50

or

- a fully certified Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE), with a minimum cumulative transfer GPA of 2.50 plus either a final high school transcript or GED

or

- completion of at least 24 transferable semester credits with a minimum cumulative transfer GPA of 3.00 (4.00="A") plus either a final high school transcript or GED

**You will also need to submit an Arizona State University admission application [2], including any additional documents required, such as official college transcripts.**

\*Some ASU colleges and schools have additional or higher requirements for admission into their programs.

#### **Next step: Build a Transfer Map and sign up for the Guaranteed Program for Admission**

The Guaranteed Program for Admission helps you plan and complete your community college coursework to meet the lower-division course requirements for your ASU major. When you complete the program, you'll be on track to earn your bachelor's degree. Use the Transfer Map search to select your transfer college and ASU major, the results of which will outline all of the courses to take prior to transfer. Once you have the desired combination, sign up to receive all of the Guaranteed Program for Admission benefits.

To be eligible for the Guaranteed Admissions Program benefits [1] such as guaranteed admission into ASU and your major, you'll need to complete the following steps:

1. **Build your Transfer Map.** Visit the Transfer Guide to build your Transfer Map. Enter your desired ASU major and current college information to outline the courses you can complete prior to transferring.
2. **Create Transfer Guide Account.** Next, create a Transfer Guide account so that you may save your Transfer Map and refer to it later.

3. **Complete Agreement Form.** After you receive an email confirming account creation, you will complete the transfer pathway agreement form in the Transfer Guide. This step will make you eligible to receive the benefits of the program.
4. **Stay Connected to ASU.** After completing the agreement form, you'll receive an email confirmation. Watch for communications from ASU to keep you connected to the university as you complete your community college coursework. Continue referring to your Transfer Map to ensure you're taking the right classes to transfer to your ASU degree.

Build a Transfer Map [3]

### Apply to ASU

Completing the Guaranteed Program for Admission agreement is one part of your transfer process. Begin your application for admission up to a year before you are ready to transfer. Make sure you have met all admissions requirements, and submit the application for admission, pay the application fee and send official college transcripts to ASU.

Apply now [2]

### ASU partners with the following community colleges in California

Allan Hancock College	Compton College
American River College	Contra Costa College
Antelope Valley College	Copper Mountain College
Bakersfield College	Cosumnes River College
Barstow Community College	Crafton Hills College
Berkeley City College	Cuesta College
Butte College	Cuyamaca College
Cabrillo College	Cypress College
Cañada College	De Anza College
Cerritos College	Diablo Valley College
Cerro Coso Community College	East Los Angeles College
Chabot College	El Camino College
Chaffey College	Evergreen Valley College
Citrus College	Feather River College
City College of San Francisco	Folsom Lake College
Clovis Community College	Foothill College
Coastline Community College	Fresno City College
College of Alameda	Fullerton College
College of Marin	Gavilan College
College of San Mateo	Glendale Community College
College of the Canyons	Golden West College
College of the Desert	Grossmont College
College of the Redwoods	Hartnell College
College of the Sequoias	Imperial Valley College
College of the Siskiyous	Irvine Valley College
Columbia College	Lake Tahoe Community College

Laney College	Porterville College
Las Positas College	Reedley College
Lassen College	Rio Hondo College
Long Beach City College	Riverside City College
Los Angeles City College	Sacramento City College
Los Angeles Harbor College	Saddleback College
Los Angeles Mission College	San Bernardino Valley College
Los Angeles Pierce College	San Diego City College
Los Angeles Southwest College	San Diego Mesa College
Los Angeles Trade - Technical College	San Diego Miramar College
Los Angeles Valley College	San Joaquin Delta College
Los Medanos College	San Jose City College
Mendocino College	Santa Ana College
Merced College	Santa Barbara City College
Merritt College	Santa Monica College
MiraCosta College	Santa Rosa Junior College
Mission College	Santiago Canyon College
Modesto Junior College	Shasta College
Monterey Peninsula College	Sierra College
Moorpark College	Skyline College
Moreno Valley College	Solano Community College
Mt. San Antonio College	Southwestern College
Mt. San Jacinto College	Taft College
Napa Valley College	Ventura College
Norco College	Victor Valley College
Ohlone College	West Los Angeles College
Orange Coast College	West Hills Lemoore
Oxnard College	West Hills Coalinga
Palomar College	West Valley College
Palo Verde College	Woodland Community College
Pasadena City College	Yuba College

**Attending a community college not on this list?**

Transferring to ASU is still possible. Learn how and when to apply [4] for transfer admission, application steps, and important upcoming dates.

**Source URL:** <https://admission.asu.edu/transfer/gpa/california>

**Links:**

[1] <https://admission.asu.edu/transfer/gpa>

[2] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

[3] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[4] <https://admission.asu.edu/transfer/apply>

## Guaranteed Program for Admission – Florida

Designed for Florida community college students, the Guaranteed Program for Admission helps you stay focused on earning your undergraduate degree and plan for a smooth transfer to ASU.

Learn about the program [1]

### ASU partners with the following community colleges in Florida

Broward College

Hillsborough Community College

Miami Dade College

Palm Beach State College

Seminole State College

### Attending a community college not on this list?

Transferring to ASU is still possible. Learn how and when to apply [2] for transfer admission, application steps, and important upcoming dates.

### Guaranteed admission requirements

General university admission is guaranteed upon successfully meeting the following conditions:\*

- a transfer **associate degree** with a minimum cumulative transfer GPA of 2.50

or

- a completed **Florida General Education Curriculum** [3], with a minimum cumulative transfer GPA of 2.50 plus either a final high school transcript or GED

or

- completion of at least **24 transferable semester credits** with a minimum cumulative transfer GPA of 3.00 (4.00="A") plus either a final high school transcript or GED

**You will also need to submit an Arizona State University admission application, including any additional documents required, such as official college transcripts.**

\*Some ASU colleges and schools have additional or higher requirements for admission into their programs.

### Next step: Build a Transfer Map and sign up for the Guaranteed Program for Admission

The Guaranteed Program for Admission helps you plan and complete your community college coursework to meet the lower-division course requirements for your ASU major. When you complete the program, you'll be on track to earn your bachelor's degree. Use the Transfer Map search to select your transfer college and ASU major, the results of which will outline all of the courses to take prior to transfer. Once you have the desired combination, sign up to receive all of the Guaranteed Program for Admission benefits.

To be eligible for the Guaranteed Admissions Program benefits [1] such as guaranteed admission into ASU and your major, you'll need to complete the following steps:

1. **Build your Transfer Map.** Visit the Transfer Guide to build your Transfer Map. Enter your desired ASU major and current college information to outline the courses you can complete prior to transferring.
2. **Create Transfer Guide Account.** Next, create a Transfer Guide account so that you may save your Transfer Map and refer to it later.
3. **Complete Agreement Form.** After you receive an email confirming account creation, you will complete the transfer pathway agreement form in the Transfer Guide. This step will make you eligible to receive the benefits of the program.

4. **Stay Connected to ASU.** After completing the agreement form, you'll receive an email confirmation. Watch for communications from ASU to keep you connected to the university as you complete your community college coursework. Continue referring to your Transfer Map to ensure you're taking the right classes to transfer to your ASU degree.

Build a Transfer Map [4]

### Apply to ASU

Completing the Guaranteed Program for Admission agreement is one part of your transfer process. Begin your application for admission up to a year before you are ready to transfer. Make sure you have met all admissions requirements, and submit the application for admission, pay the application fee and send official college transcripts to ASU.

Apply now [5]

**Source URL:** <https://admission.asu.edu/transfer/gpa/florida>

### Links:

[1] <https://admission.asu.edu/transfer/gpa>

[2] <https://admission.asu.edu/transfer/apply>

[3] <https://itransfer.org>

[4] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[5] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

### Guaranteed Program for Admission – Illinois

Designed for Illinois community college students, the Guaranteed Program for Admission helps you stay focused on earning your undergraduate degree and plan for a smooth transfer to ASU.

Learn about the program [1]

### ASU partners with the following community colleges in Illinois

Black Hawk College

Carl Sandburg College

College of Lake County

Elgin Community College

Frontier Community College

Harold Washington College

Harper College

Harry S. Truman College

Highland Community College

Illinois Valley Community College

Joliet Junior College

Kennedy-King College

Lincoln Trail College

Malcolm X College

McHenry County College

Oakton Community College

Olive-Harvey College

Olney Central College

Richard J. Daley College

Sauk Valley Community College

Wabash Valley College

Waubonsee Community College

Wilbur Wright College

### Attending a community college not on this list?

Transferring to ASU is still possible. Learn how and when to apply [2] for transfer admission, application steps, and important upcoming dates.

## Guaranteed admission requirements

General university admission is guaranteed upon successfully meeting the following conditions:\*

- completion of at least **24 transferable semester credits** with a minimum cumulative transfer GPA of 3.00 (4.00="A") plus either a final high school transcript or GED

or

- a completed **Illinois Transferable General Education Core Curriculum at an IAI institution** [3], with a minimum cumulative transfer GPA of 2.50 plus either a final high school transcript or GED

or

- A transfer **associate degree** with a minimum cumulative transfer GPA of 2.50.

**You will also need to submit an Arizona State University admission application, including any additional documents required, such as official college transcripts.**

\*Some ASU colleges and schools have additional or higher requirements for admission into their programs.

## Next step: Build a Transfer Map and sign up for the Guaranteed Program for Admission

The Guaranteed Program for Admission helps you plan and complete your community college coursework to meet the lower-division course requirements for your ASU major. When you complete the program, you'll be on track to earn your bachelor's degree. Use the Transfer Map search to select your transfer college and ASU major, the results of which will outline all of the courses to take prior to transfer. Once you have the desired combination, sign up to receive all of the Guaranteed Program for Admission benefits.

To be eligible for the Guaranteed Admissions Program benefits [1] such as guaranteed admission into ASU and your major, you'll need to complete the following steps:

1. **Build your Transfer Map.** Visit the Transfer Guide to build your Transfer Map. Enter your desired ASU major and current college information to outline the courses you can complete prior to transferring.
2. **Create Transfer Guide Account.** Next, create a Transfer Guide account so that you may save your Transfer Map and refer to it later.
3. **Complete Agreement Form.** After you receive an email confirming account creation, you will complete the transfer pathway agreement form in the Transfer Guide. This step will make you eligible to receive the benefits of the program.
4. **Stay Connected to ASU.** After completing the agreement form, you'll receive an email confirmation. Watch for communications from ASU to keep you connected to the university as you complete your community college coursework. Continue referring to your Transfer Map to ensure you're taking the right classes to transfer to your ASU degree.

Build a Transfer Map [4]

## Apply to ASU

Completing the Guaranteed Program for Admission agreement is one part of your transfer process. Begin your application for admission up to a year before you are ready to transfer. Make sure you have met all admissions requirements, and submit the application for admission, pay the application fee and send official college transcripts to ASU.

Apply now [5]

**Source URL:** <https://admission.asu.edu/transfer/gpa/illinois>

## Links:

[1] <https://admission.asu.edu/transfer/gpa>

[2] <https://admission.asu.edu/transfer/apply>

[3] <https://itransfer.org>

[4] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[5] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)



## Guaranteed Program for Admission – Texas

Designed for Texas community college students, the Guaranteed Program for Admission helps you stay focused on earning your undergraduate degree and plan for a smooth transfer to ASU.

Learn about the program [1]

### ASU partners with the following community colleges in Texas

Austin Community College

Collin College: McKinney

Collin College: Plano

Collin College: Frisco

Central Texas College

Dallas County Community Colleges: Brookhaven College

Dallas County Community Colleges: Cedar Valley College

Dallas County Community Colleges: Eastfield College

Dallas County Community Colleges: El Centro College

Dallas County Community Colleges: Mountain View College

Dallas County Community Colleges: North Lake College

Dallas County Community Colleges: Richland College

Houston Community College

Lone Star College

Tarrant County College: Northeast

Tarrant County College: Northwest

Tarrant County College: South

Tarrant County College: Southeast

Tarrant County College: Trinity River

### Attending a community college not on this list?

Transferring to ASU is still possible. Learn how and when to apply [2] for transfer admission, application steps, and important upcoming dates.

### Guaranteed admission requirements

General university admission is guaranteed upon successfully meeting the following conditions:\*

- a transfer **associate degree** with a minimum cumulative transfer GPA of 2.50

or

- a completed **Texas General Education Core Curriculum** [3], with a minimum cumulative transfer GPA of 2.50 plus either a final high school transcript or GED

or

- completion of at least **24 transferable semester credits** with a minimum cumulative transfer GPA of 3.00 (4.00="A") plus either a final high school transcript or GED

**You will also need to submit an Arizona State University admission application, including any additional documents required, such as official college transcripts.**

\*Some ASU colleges and schools have additional or higher requirements for admission into their programs.

## Next step: Build a Transfer Map and sign up for the Guaranteed Program for Admission

The Guaranteed Program for Admission helps you plan and complete your community college coursework to meet the lower-division course requirements for your ASU major. When you complete the program, you'll be on track to earn your bachelor's degree. Use the Transfer Map search to select your transfer college and ASU major, the results of which will outline all of the courses to take prior to transfer. Once you have the desired combination, sign up to receive all of the Guaranteed Program for Admission benefits.

To be eligible for the Guaranteed Admissions Program benefits [1] such as guaranteed admission into ASU and your major, you'll need to complete the following steps:

1. **Build your Transfer Map.** Visit the Transfer Guide to build your Transfer Map. Enter your desired ASU major and current college information to outline the courses you can complete prior to transferring.
2. **Create Transfer Guide Account.** Next, create a Transfer Guide account so that you may save your Transfer Map and refer to it later.
3. **Complete Agreement Form.** After you receive an email confirming account creation, you will complete the transfer pathway agreement form in the Transfer Guide. This step will make you eligible to receive the benefits of the program.
4. **Stay Connected to ASU.** After completing the agreement form, you'll receive an email confirmation. Watch for communications from ASU to keep you connected to the university as you complete your community college coursework. Continue referring to your Transfer Map to ensure you're taking the right classes to transfer to your ASU degree.

Build a Transfer Map [4]

## Apply to ASU

Completing the Guaranteed Program for Admission agreement is one part of your transfer process. Begin your application for admission up to a year before you are ready to transfer. Make sure you have met all admissions requirements, and submit the application for admission, pay the application fee and send official college transcripts to ASU.

Apply now [5]

**Source URL:** <https://admission.asu.edu/transfer/gpa/texas>

### Links:

[1] <https://admission.asu.edu/transfer/gpa>

[2] <https://admission.asu.edu/transfer/apply>

[3] <https://www.theccb.state.tx.us/apps/tcc/>

[4] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[5] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

## Guaranteed Program for Admission – Washington

Designed for Washington community college students, the Guaranteed Program for Admission helps you stay focused on earning your undergraduate degree and plan for a smooth transfer to ASU.

Learn about the program [1]

## ASU partners with the following community colleges in Washington

Bellevue College

Cascadia College

Centralia College

Edmonds Community College

Green River College

Highline College

Lower Columbia College  
North Seattle College  
Olympic College  
Peninsula College  
Pierce College  
Seattle Central College  
Shoreline Community College  
South Seattle College  
Tacoma Community College  
Whatcom Community College

### **Attending a community college not on this list?**

Transferring to ASU is still possible. Learn how and when to apply [2] for transfer admission, application steps, and important upcoming dates.

### **Guaranteed Admission Requirements**

General university admission is guaranteed upon successfully meeting the following conditions:\*

- completion of at least **36 transferable quarter credits** (24 semester credits) with a minimum cumulative transfer GPA of 3.00 (4.00="A"), plus a final **high school transcript or GED**

or

- GED or a transfer **associate degree, which equals at least 90 transferable quarter credits** (60 semester credits) with a minimum cumulative transfer GPA of 2.50

**You will also need to submit an Arizona State University admission application, including any additional documents required, such as official college transcripts.**

\*Some ASU colleges and schools have additional or higher requirements for admission into their programs.

### **Next step: Build a Transfer Map and sign up for the Guaranteed Program for Admission**

The Guaranteed Program for Admission helps you plan and complete your community college coursework to meet the lower-division course requirements for your ASU major. When you complete the program, you'll be on track to earn your bachelor's degree. Use the Transfer Map search to select your transfer college and ASU major, the results of which will outline all of the courses to take prior to transfer. Once you have the desired combination, sign up to receive all of the Guaranteed Program for Admission benefits.

To be eligible for the Guaranteed Admissions Program benefits [1] such as guaranteed admission into ASU and your major, you'll need to complete the following steps:

1. **Build your Transfer Map.** Visit the Transfer Guide to build your Transfer Map. Enter your desired ASU major and current college information to outline the courses you can complete prior to transferring.
2. **Create Transfer Guide Account.** Next, create a Transfer Guide account so that you may save your Transfer Map and refer to it later.
3. **Complete Agreement Form.** After you receive an email confirming account creation, you will complete the transfer pathway agreement form in the Transfer Guide. This step will make you eligible to receive the benefits of the program.
4. **Stay Connected to ASU.** After completing the agreement form, you'll receive an email confirmation. Watch for communications from ASU to keep you connected to the university as you complete your community college coursework. Continue referring to your Transfer Map to ensure you're taking the right classes to transfer to your ASU degree.

Build a Transfer Map [3]

## Apply to ASU

Completing the Guaranteed Program for Admission agreement is one part of your transfer process. Begin your application for admission up to a year before you are ready to transfer. Make sure you have met all admissions requirements, and submit the application for admission, pay the application fee and send official college transcripts to ASU.

Apply now [4]

**Source URL:** <https://admission.asu.edu/transfer/gpa/washington>

### Links:

[1] <https://admission.asu.edu/transfer/gpa>

[2] <https://admission.asu.edu/transfer/apply>

[3] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[4] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

## Guaranteed Program for Admission – BYU Idaho

### The Guaranteed Program for Admission

The Guaranteed Program for Admission helps you plan and complete your college coursework to meet the lower-division course requirements for your ASU major. When you complete the program, you'll be on track to earn your bachelor's degree. Click on Build a Transfer Map, which will create a personalized outline of the courses you can take before transferring. Then, complete the Guaranteed Program for Admission agreement online to sign up and participate in this pathway program.

Learn more [1]

Build a Transfer Map [2]

### The Associate of Applied Science to Bachelor of Applied Science program

The AAS to BAS programs is for students who have completed an Associate of Applied Science from BYU-Idaho and want to complete a Bachelor of Applied Science in a complementary discipline at ASU.

Learn more [3]

## Apply to ASU

Completing the Guaranteed Program for Admission agreement is one part of your transfer process. Begin your application for admission up to a year before you are ready to transfer. Make sure you have met all admissions requirements, and submit the application for admission, pay the application fee and send official college transcripts to ASU.

Apply now [4]

**Source URL:** <https://admission.asu.edu/transfer/gpa/byu-idaho>

### Links:

[1] <https://admission.asu.edu/transfer/gpa>

[2] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[3] <https://admission.asu.edu/aas-bas/brigham-young-university-idaho>

[4] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

## AAS to BAS for Brigham Young University Idaho

Transfer simplified

If you're pursuing an Associate of Applied Science from BYU-Idaho, then an ASU Bachelor of Applied Science degree might be the perfect fit for you. This program allows you to transfer 60 credit hours from your Associate of Applied Science degree toward a compatible Bachelor of Applied Science at ASU, with guaranteed admission if you have earned at least a 2.5 grade point average from BYU-Idaho.

Identify the AAS degree you are currently earning at BYU-Idaho and determine your preference for your BAS.

If you're interested in earning a BAS degree, please complete this interest form. [1]

Administrative Assistant/Office Manager [2]

Business Management [3]

Computer Programming [4]

Engineering Technology [5]

Family History Research [6]

Web Design & Development [7]

**Source URL:** <https://admission.asu.edu/aas-bas/brigham-young-university-idaho>

### Links:

[1] <https://transfer.asu.edu/BYUIdaho/aas-bas-interest>

[2] <https://admission.asu.edu/content/administrative-assistantoffice-manager?comm-college=brigham-young-university-idaho>

[3] <https://admission.asu.edu/content/business-management?comm-college=brigham-young-university-idaho>

[4] <https://admission.asu.edu/content/computer-programming?comm-college=brigham-young-university-idaho>

[5] <https://admission.asu.edu/content/engineering-technology?comm-college=brigham-young-university-idaho>

[6] <https://admission.asu.edu/content/family-history-research?comm-college=brigham-young-university-idaho>

[7] <https://admission.asu.edu/content/web-design-development?comm-college=brigham-young-university-idaho>

## Transferring credits to ASU

### How credits transfer to ASU

When you transfer to ASU from another college or university, the following general standards for transfer credits apply. You can use ASU transfer tools to learn how credits will transfer and begin creating your roadmap to graduation.

#### Accepted credits

ASU accepts college-level (not remedial) courses in which you have earned a grade of "C" (4.00="A") or better from regionally accredited colleges and universities.

#### Applicability

The applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU.

#### Credit hours

A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college, with the exception of some special programs. An unlimited number of credits hours will be accepted from four-year institutions. Upon admission to the university, you will work with an ASU academic advisor to determine how your transferable credits apply toward your selected major.

## Credit conversion

Acceptable academic credits earned at other institutions that are based on a different unit of credit than the one prescribed by the Arizona Board of Regents are subject to conversion before being transferred to ASU. All ASU students must meet graduation requirements (university, college, major and general studies requirements) to earn a four-year degree.

## Degree requirements

The ASU college of your major determines how transfer courses fulfill the degree requirements of your ASU major. You should review the degree requirements of the program into which you intend to transfer and talk with an academic advisor about your transfer credits and how they will apply to your degree program.

## Determining GPA

Grades and honor points that you earned at other colleges and universities are considered for admission, but your ASU cumulative grade point average is based solely on coursework taken at ASU.

## Types of Transfer Credits not accepted by ASU:

- courses in which you earned below “C-” as your final grade
- credit awarded by postsecondary schools in the United States that lack candidate status or are not accredited by a regional accrediting association
- credit awarded by postsecondary schools for life experience
- credit awarded by postsecondary schools for courses taken at noncollegiate institutions (e.g., governmental agencies, corporations, industrial firms, etc.)
- credit awarded by postsecondary schools for noncredit courses, workshops and seminars offered by other postsecondary schools as part of continuing education programs

Students wishing to transfer to ASU and who feel they have been unjustly denied credit for transfer courses may appeal to the appropriate committee.

## Transfer Guide

ASU’s Transfer Guide is a helpful online tool to assist you in your transfer planning process. Manage your Transfer Pathways, requested course evaluations, saved courses searches, saved exam searches and more.

View the Transfer Guide [1]

## Military credits

ASU is proud to welcome veterans of the Army, Navy, Air Force, Marines, Coast Guard and National Guard to our undergraduate student community.

## Evaluation of military transcripts

ASU uses the American Council on Education's Guide to the Evaluation of Educational Experiences in the Armed Services [2] to assess how to transfer military credits to ASU. In general, a military course must be similar to an ASU undergraduate course to transfer to ASU.

Military credits that transfer to ASU through educational experiences in the armed services are not applicable toward completing ASU's general studies requirements [3] for graduation, but do count for total credits toward completion. No transfer credit is awarded for vocational certificate category ACE recommendations.

The JST is reviewed for potential transfer credit in accordance with VA guidelines and Arizona statutes related to awarding credit for military training and education. Credits are evaluated at the time of JST submission to ASU. It is recommended the JST be sent to ASU upon application to ensure timely processing and evaluation.

Military Transcripts Accepted by ASU

**ASU accepts the following military transcripts to transfer credits:**

- JST [4] (Joint Services Transcript)
- Air University Transcript (formerly Community College of the Air Force) [5]

The CCAF is a regionally accredited community college. This transcript must be submitted as part of a student veteran's admission package for anyone who served in the United States Air Force, Air Force Reserve or Air Guard.

Veterans exception

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception may be used only one time and applies only to veterans who:

- are honorably discharged
- have served in the armed forces of the United States for a minimum of two years
- have previously enrolled at a university or community college in Arizona

Military service records must be submitted, including form DD 214.

Air University Associate to Baccalaureate Cooperative

Arizona State University is working in collaboration with Air University to recognize the military education of our incoming Air Force personnel. Learn more about the partnerships and programs available.

Air University [6]

**Credit by exam**

You may earn no more than 60 hours of credit by exam for any degree program, including ASU comprehensive and proficiency exams.

ASU's credit by exam policy [7]

**Frequently asked questions about transferring credits**

HOW DO I TRANSFER CREDITS TO ASU?

You can transfer credits to ASU by requesting your transcripts from all colleges you have attended and have them sent directly to ASU. Then, when you have completed the admission application, paid the application fee and are admitted to ASU, your qualifying credits will automatically be added to your ASU Degree Audit.

HOW MANY CREDITS CAN BE TRANSFERRED TO ASU?

You can transfer a maximum of 64 credits from a regionally accredited community, junior or two-year college for courses in which you have earned a "C" (4.00="A") or better.

WHAT IS THE ASU TRANSFER GUIDE?

ASU's Transfer Guide [8] is a useful tool that shows how college courses you've already taken will transfer to ASU. If you don't see a particular course in the Transfer Guide, you can request a course evaluation.

View more FAQs [9]

**Source URL:** <https://admission.asu.edu/transfer/transferring-credits>

**Links:**

[1] <https://webapp4.asu.edu/transfercreditguide/app/home?init=false&nopassive=true>

[2] [www.acenet.edu/news-room/Pages/Military-Guide-Online.aspx](http://www.acenet.edu/news-room/Pages/Military-Guide-Online.aspx)

[3] [https://catalog.asu.edu/ug\\_gsr](https://catalog.asu.edu/ug_gsr)

[4] <https://jst.doded.mil/smart/sigIn.do>



[5] <https://www.airuniversity.af.edu/Barnes/CCAF/Display/article/803247/community-college-of-the-air-force-transcripts/>

[6] <https://admission.asu.edu/transfer/air-university>

[7] [https://catalog.asu.edu/credit\\_exam](https://catalog.asu.edu/credit_exam)

[8] <https://webapp4.asu.edu/transfercreditguide/app/home>

[9] <https://admission.asu.edu/contact/faqs#transfer>

## Admitted transfer students

Congratulations on being admitted to Arizona State University. You're well on your way to becoming a Sun Devil. You have just a few things to take care of to make sure you're ready for your first day on campus.

### Your next steps as an admitted transfer student

#### Step 01 Complete the Free Application for Federal Student Aid

To apply for financial aid, complete a Free Application for Federal Student Aid. If you have already completed a FAFSA for another institution, you may use your existing application for the semester you are admitted to ASU. Update the school on your existing FAFSA with the following steps:

1. Go to [fafsa.gov](https://fafsa.gov) [1] to the current year application.
2. Use your U.S. Department of Education PIN to access your account.
3. Add ASU's Federal School Code (001081) to your application.
4. If you have your Data Release Number, or DRN, you can call 800-433-3243 to request that your Student Aid Report be sent electronically to ASU.

View your FAFSA information on your **Finances** tab in My ASU, and view your **Priority Tasks** for important financial aid next steps. Complete any items listed under **Priority Tasks** early to ensure you do not have any barriers to receiving your aid.

**Note:** Arizona law requires verification of citizenship or other lawful presence in the U.S. for all students receiving financial aid funded by state money.

#### Step 02 Complete online orientation

Find online orientation in My ASU [2] and complete it to become more familiar with university resources and services.

#### Step 03 Submit your MMR immunization verification form

You must submit your measles (rubeola), mumps and rubella immunization form [3] before you can register for classes. You can fax, email or mail your records to ASU Health Services [4]. You may receive an immunization at an ASU Health Services [4] facility on any campus. Call for an appointment. Fees apply.

Downtown Phoenix campus | 602-496-0721

Polytechnic campus | 480-727-1500

Tempe campus | 480-965-3346

West campus | 602-543-8019

#### Step 04 Register for classes

You must meet with an academic advisor before you can register for your classes. We recommend you review the My Progress Report (DARS) link in My ASU [2] and use the Transfer Guide [5] to view course equivalencies before meeting with your academic advisor. Instructions to schedule an advising appointment can be found on My ASU [2] by clicking on **Advising** in the **My Programs and eAdvisor™** box.

#### Step 05 Request final transcripts

As soon as you graduate or complete your current semester or term, request an official final transcript be sent from your college or university to ASU Admission Services. If you were concurrently enrolled in high school and college courses, or if you were dually enrolled in college courses taught on your high school campus, you must request official transcripts from both your high school and the college offering the dual enrollment credit. ASU will not award college credit for courses that appear only on high school transcripts.



**ASU mailing address:**

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-0112

**USPS:**

Admission Services  
Arizona State University  
PO Box 870112  
Tempe, AZ 85287-0112

**FedEx, DHL or UPS:**

Admission Services  
Arizona State University  
Student Services Building, Room 112  
1151 S. Forest Ave.  
Tempe, AZ 85287

**Important checklist items**

Apply for scholarships

Transfer-specific scholarship opportunities are available that can be used to help pay for tuition, housing, books and other costs when you transfer to ASU. You can search for ASU scholarships by major, GPA, college and more.

[View scholarships \[6\]](#)

Explore housing options

Make the most of your ASU education by living in an environment that sets you up for success. Enjoy the convenience of all-inclusive living, while being steps away from academic buildings, student services and campus dining locations.

[Explore housing \[7\]](#)

Review parking and transportation

Cars are not the only way to get to ASU. The bus and light rail are affordable options too, and students walk, bike or skateboard to classes and on campus.

[Explore transportation \[8\]](#)

Attend welcome events

Get to know campus and other Sun Devils at ASU Welcome events. These events are free for all Sun Devils — explore the event schedule below to discover all the ways to get involved.

[View events \[9\]](#)

**Useful links and resources**

[AP/IB Credit Guide \[10\]](#)

[Athletics \[11\]](#)

[Degrees \[12\]](#)

[Financial Aid and Scholarship Services \[13\]](#)

[Find my rep \[14\]](#)

[First-year success \[15\]](#)

[Housing \[7\]](#)

[Pat Tillman Veterans Center \[16\]](#)

[Pre-health \[17\]](#)

[Pre-law \[18\]](#)

[Residency verification \[19\]](#)

[Scholarship estimator \[20\]](#)

## Frequently asked questions about transfer at ASU

I APPLIED TO ASU AND WAS ADMITTED, BUT DID NOT ATTEND. DO I NEED TO REAPPLY?

Admission is valid for one consecutive term from your original application term. After that, yes, you need to reapply. Be sure to sign in to My ASU [2] to see if any additional items are needed to complete your file.

CAN TRANSFER STUDENTS LIVE ON CAMPUS?

Yes, transfer students are encouraged to live on campus. Living on campus puts you right next to ASU student support resources and helps you be more connected to the university. And research shows that you are more likely to do better in your classes and graduate if you live on campus.

ARE ASU SCHOLARSHIPS FOR TRANSFER STUDENTS AVAILABLE?

Yes. Scholarships for transfer students [6] are available. Students from Arizona who transfer from an Arizona community college, have at least a 3.50 cumulative GPA and have a demonstrated financial need can apply for the Transfer Achievement Award. High-achieving nonresident transfer students with financial need can apply for ASU's New American University Scholarship. Be sure to file a Free Application for Federal Student Aid [1] to increase your chances of receiving financial aid.

View more FAQs [21]

**Source URL:** <https://admission.asu.edu/transfer/admitted>

### Links:

- [1] <https://fafsa.gov>
- [2] <https://my.asu.edu>
- [3] <https://eoss.asu.edu/sites/default/files/asu-immunizationrequirement.pdf>
- [4] <https://eoss.asu.edu/health/contact>
- [5] <https://webapp4.asu.edu/transfercreditguide/app/home>
- [6] [https://scholarships.asu.edu/scholarship-search?acad\\_level=2560&gpa=All&residency=All&acad\\_load=All&campus=All&college=All&major=&keys=](https://scholarships.asu.edu/scholarship-search?acad_level=2560&gpa=All&residency=All&acad_load=All&campus=All&college=All&major=&keys=)
- [7] <https://housing.asu.edu>
- [8] <https://cfo.asu.edu/transportation>
- [9] <https://eoss.asu.edu/welcome/events>
- [10] [https://catalog.asu.edu/credit\\_exam](https://catalog.asu.edu/credit_exam)
- [11] <https://thesundevils.com>
- [12] <https://asu.edu/degrees>
- [13] <https://students.asu.edu/financialaid>
- [14] <https://admission.asu.edu/contact/transfer>
- [15] <https://fys.asu.edu>
- [16] <https://veterans.asu.edu>
- [17] <https://students.asu.edu/prehealth>
- [18] <https://students.asu.edu/prelaw>
- [19] <https://students.asu.edu/residency>
- [20] <https://scholarships.asu.edu/estimator>
- [21] <https://admission.asu.edu/contact/faqs#transfer>

## **International students**

International undergraduate admission application

Attending Arizona State University means you'll benefit from prestigious faculty, state-of-the-art facilities and a vibrant community of students from 136 countries around the globe. Choose from more than 350 undergraduate degree programs that will lead you to a successful career path.

### **Admission requirements**

#### **Academic requirements**

First-year students must have a 3.00 grade point average (GPA) (a "B" or better where "A"=4.00) from a secondary school.

Transfer students must have a minimum 2.50 GPA (a "C+" or better where "A"=4.00) from a college or university. Some ASU programs require a minimum transfer GPA of 3.00, including the W. P. Carey School of Business and Ira A. Fulton Schools of Engineering.

Some ASU programs may have higher admission requirements and may require a minimum ACT or SAT score.

Must have three years of high school work (If you are currently in high school, ASU needs to see 9–11 grade work. If you have completed high school then ASU needs to see 10–12 grade work).

Must have and present a completed high school diploma or certificate.

#### **Competency requirements**

International students who attended four years of high school in the U.S. are required to meet the competency requirements.

- English: four years (composition/literature based).
- Math: four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).
- Laboratory science: three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences, and physics).
- Social science: two years (including one year American history).
- Foreign language: two years (same language).
- Fine arts: one year.

International students who completed high school outside the U.S. are required to meet the following competency requirements:

- Math: four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).
- Laboratory science: three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences and physics).

#### **Comparable degree requirements in different countries and territories**

Arizona State University recognizes that educational systems are different across the world. To help you determine if your academic credentials are comparable to a U.S. high school degree and to understand the documents that need to be submitted for admission, please review the requirements for the country from which your credential was earned.

[Archivist's Note: In-page by-country requirements tool unable to be captured.]

## Steps to apply

### Step 01 Complete the undergraduate application for admission.

Apply online with ASU's Application for Admission [1] or the Common Application [2]. ASU accepts only one application. We have no preference between the ASU application and the Common Application. If two applications are submitted, one will be canceled in our system. Application fees are nonrefundable.

#### Send all supporting documents (transcripts and test scores) to:

Admission Services  
Applicant Processing  
1150 East University Drive Building C, Room 226  
Tempe AZ 85281

### Applicants in China

If you are currently in China, please note that you can send your official transcripts directly to our office in Beijing at the following address:

ASU Enrollment Advisor  
Jianwai SOHO, Building 17, Suite 705  
39 East 3rd Ring Middle Road, Chaoyang  
Beijing, China 100022. (北京市朝阳区建外soho西区 17号楼, 705室 ; 邮编100022)  
T: +86 15311265171

### Applicants in India

If you are currently in India, you can send your official transcripts directly to our enrollment advisor in Mumbai at the following address:

Alpha Building,  
REGUS Unit No. 201, 2nd Floor, Main St,  
Hiranandani Gardens, Sainath Nagar,  
Powai, Mumbai,  
Maharashtra 400076  
T: +91 9999 4210 89  
ATTN: Poonam Venkatesh

For more information, call +91 9999 4210 89 or email [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [3].

### Step 02 Submit the nonrefundable application fee.

The application fee is \$85 (U.S. Dollars). If you did not submit your application fee with your admission application, you may make your payment through My ASU [4], or submit payment in the form of a check or money order drawn on a U.S. banking affiliate and made payable to Arizona State University. Do not send cash or international postal money orders. Application fees cannot be waived or transferred to a future application. International students can apply via the Common Application [2] instead of the ASU application, and pay the application fee of \$85 through the Common Application.

### Step 03 Request your official transcript and examination results be sent directly from your school(s) or exam board to Admission Services.

Official transcripts are certified copies of official documents from each secondary school, college, university or technical school attended. Records must include courses completed, grades or marks earned, and certificates or degrees awarded. Include a certified English translation of all documents not written in English.

#### Transcript requirements

Upon graduation or completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status. If your school(s) cannot send them directly to ASU, you may send them yourself, making sure they meet one of the following requirements:

- Original academic credentials issued by the registrar of the institution attended, bearing the original raised or colored seal of the institution and the signature of the institution's registrar, academic official or recognized international organization.
- Photocopies of original academic credentials that have been verified as true copies of the original by a responsible official of the institution attended or by an education representative of the country's government or embassy. Each page must bear the verifying Official's signature and stamp. U.S. Consulate/Embassy in home country (e.g., U.S. consulate in India) or country specific embassy/consulate if in the U.S. (e.g., Indian Consulate/Embassy in U.S.)
- Photocopies of original academic credentials that have been certified by a recognized international education organization, such as Education USA [5], AMIDEast [6] or US India Educational Foundation [7].

You must have one set of official transcripts from every high school, college and university from which you earned a high school diploma sent to ASU (see mailing address).

### Admission Services

Applicant Processing  
1150 East University Drive Building C, Room 226  
Tempe AZ 85281

### Applicants in China

If you are currently in China, please note that you can send your official transcripts directly to our office in Beijing at the following address:

ASU Enrollment Advisor  
Jianwai SOHO, Building 17, Suite 705  
39 East 3rd Ring Middle Road, Chaoyang  
Beijing, China 100022. (北京市朝阳区建外soho西区 17号楼, 705室 ; 邮编100022)  
T: +86 15311265171

### Applicants in India

If you are currently in India, you can send your official transcripts directly to our enrollment advisor in Mumbai at the following address:

Alpha Building,  
REGUS Unit No. 201, 2nd Floor, Main St,  
Hiranandani Gardens, Sainath Nagar,  
Powai, Mumbai,  
Maharashtra 400076  
T: +91 9999 4210 89  
ATTN: Poonam Venkatesh

For more information, call +91 9999 4210 89 or email [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [3].

**Note:** Any document ASU receives becomes property of ASU and will not be returned to you.

**Note:** Photocopies certified by a notary public are not official. Scanned copies are also not accepted in lieu of original official academic documents.

### Transcript Translation

All international transcripts must be submitted in the original language accompanied by an official English translation. Translations must be literal, complete versions of the originals and must be translated by one of the following:

Issuing university or college.

Official translation service (some example agencies listed at <https://www.naces.org/members> [8])

Ministry of Education, consulate, or embassy

Education USA (EdUSA) [9], AMIDEAST [6], US India Education Foundation (USIEF) [10].

The translation does not take the place of submitting official academic records in the original language. The translation is in addition to the official academic record. Translations may not be completed by the student. Translations certified by a notary public are not acceptable.

#### **Step 04 Provide evidence of English language proficiency.**

Have your TOEFL, IELTS or PTE score, sent directly to ASU, or provide proof of completion from Global Launch.

#### **TOEFL**

The official TOEFL score report can be sent directly to ASU from the Educational Testing Service. ASU's TOEFL institutional code is 4007. For information about this test and registration procedures, contact ETS at PO Box 6151, Princeton, NJ 08541-6151, USA or visit [www.toefl.org](http://www.toefl.org) [11].

#### **IELTS**

For information about this test and registration procedures, contact the IELTS Office, University of Cambridge Local Examination Syndicate, 1 Hills Road, Cambridge/CB1 2EU, UK or visit [www.ielts.org](http://www.ielts.org) [12].

#### **PTE**

For information about the Pearson Test of English, visit [www.pearsonpte.com](http://www.pearsonpte.com) [13].

#### **Global Launch**

ASU accepts completion of the in-person Intensive English Program (IEP) [14] or online English for Undergraduate Admission course [15].

Undergraduate English proficiency [16]

#### **Step 05 Submit your ACT or SAT scores.**

If you have taken the ACT or SAT, please submit official scores to Undergraduate Admission Services. Some ASU colleges have minimum ACT and SAT score requirements for entrance to their programs.

#### **Step 06 Submit your student visa application.**

All international students planning to attend Arizona State University will need to first apply for an I-20 in order to apply for an F-1 or J-1 student visa.

Student visa info [17]

#### **Documents needed**

All documents must be an original or an attested copy with an original institutional seal and/or signature. Photocopies, notarized copies, faxes or scans are not considered original documents. All documents must be translated into English if the original is not issued in English.

**Note:** Before mailing or sending any documentation, you must fill out an ASU application. Sending documents before doing so will delay the processing of your application. It is also recommended that you include your ASU EMPLID on the envelope of any documents being mailed to ASU.

#### **Do you have any college credits?**

- All college work must be reported at the time of filling out your application.
- We must see all transcripts/academic records from all institutions that you have ever attended (regardless if you have finished the program at that institution or not).
- All documents not issued in English must be accompanied by an English translation.

## Professional third-party evaluations

ASU provides in-house credential evaluations of your secondary and postsecondary academic records at no extra cost. However, if you have already had your academic credentials evaluated, ASU will consider course-by-course evaluations from the three agencies below:

- Educational Credential Evaluators [18]
- Foreign Credentials Service of America [19]
- Academic Credentials Evaluation Institute [20]

**Note:** Official evaluations do not take the place of submission of official academic records. The evaluation is in addition to the official academic record. If the evaluation agency includes academic records they used to complete their evaluation and indicates that the evaluation was based on official or authenticated records, we may accept those documents as official.

## Conditional admission

ASU may offer conditional undergraduate admission to international applicants who meet the academic (aptitude) requirements but who are not proficient in English. This offer of conditional admission will give you time to improve your English proficiency before you start classes at ASU. Your conditional admission offer is good for up to three semesters, during which time you must meet one of these requirements [16] to begin your ASU experience.

## Application deadlines

You must submit your application for admission to ASU, along with the application fee, by the deadline specified for each semester. To expedite the evaluation of your application, please remember to submit official transcripts, test scores and supporting credentials along with your application.

### Fall 2019

#### May 1, 2019

Application priority deadline

#### May 1, 2019

Enrollment deposit date (first-year students only)

#### Aug. 22, 2019

Classes start

**Note:** Applications for summer that are not completed in time for the start of the summer sessions will be reviewed for admission for the fall semester.

**Note:** International students who have been admitted for the fall semester who would like to begin attending classes during the summer must contact Admission Services [21] by May 1. Otherwise, I-20s will be created for the fall semester.

Make sure to apply as early as possible to allow time for all documentation and processes to be completed.

## Frequently asked questions about international undergraduate admissions

### HOW DO I APPLY TO ASU AS AN INTERNATIONAL STUDENT?

To apply to ASU as an international student, you must meet certain academic requirements, as well as demonstrate proof of English proficiency. Review this page for admission and English proficiency requirements, application procedures and deadlines for undergraduate students.

### DO I HAVE TO KNOW ENGLISH TO STUDY AT ASU?

Yes. ASU requires proof of English proficiency from all international student applicants, or applicants whose native language is not English. ASU accepts TOEFL, PTE or IELTS scores or completion of ASU's Global Launch [14] English and academic preparation courses as proof of English proficiency.

## WHAT IS GLOBAL LAUNCH?

Global Launch [14] is Arizona State University's English language and academic preparation unit, providing face-to-face and online English and Pathways programs for international students seeking admission to the university.

View more FAQs [22]

**Source URL:** <https://admission.asu.edu/international/undergrad-apply>

### Links:

- [1] [www.asu.edu/ugapp](http://www.asu.edu/ugapp)
- [2] <https://apply.commonapp.org/Login?ma=901>
- [3] <mailto:asuinternational@asu.edu>
- [4] <http://my.asu.edu>
- [5] <https://educationusa.state.gov/find-advising-center>
- [6] <https://www.amideast.org>
- [7] [www.usief.org.in/Study-in-the-US/Attestation-Services.aspx](http://www.usief.org.in/Study-in-the-US/Attestation-Services.aspx)
- [8] <https://www.naces.org/members>
- [9] <https://educationusa.state.gov>
- [10] [www.usief.org.in](http://www.usief.org.in)
- [11] [www.ets.org/toefl](http://www.ets.org/toefl)
- [12] <https://www.ielts.org/en-us/>
- [13] <https://www.pearsonpte.com>
- [14] <https://learnenglish.asu.edu>
- [15] <https://learnenglish.asu.edu/online/admission>
- [16] <https://admission.asu.edu/international/undergrad/english-proficiency>
- [17] <https://admission.asu.edu/international/student-visa>
- [18] <https://www.ece.org/ECE>
- [19] <https://foreigncredentials.org>
- [20] <https://www.acei-global.org>
- [21] <https://admission.asu.edu/contact/international>
- [22] <https://admission.asu.edu/contact/faqs#international>

## Student visas

### Types of student visas

As an international student at Arizona State University, you will need to obtain an F-1 or J-1 student visa.

#### F-1 student visa

The F-1 visa is the most common student visa and is issued to full-time students enrolled in an academic or language program at a U.S. institution. Any student who is funded either by personal or outside funds, or a combination of the two, is eligible for F-1 status. If you are a student applying for an F-1 visa, you must request the SEVIS Form I-20 from the appropriate ASU admission office once admitted to ASU.

#### J-1 student visa

The J-1 visa is an exchange visitor visa issued to students at all academic levels. Students must have a substantial portion of their funding coming from a source other than their personal finances (e.g., their home institution or government). If you are a student applying for a J-1 visa, you must request Form DS-2019 from the appropriate ASU admission office once admitted to ASU.

#### F-2 dependent visa (undergraduate)

The F-2 visa is a nonimmigrant visa that allows dependent spouses and children of F-1 student visa holders to enter the U.S. and enroll in an educational institution. As a student with F-2 visa status, you can attend ASU only as a part-time student. For the undergraduate level, this means you may register for up to 11 credit hours for the spring and fall terms.



More F-2 information [1]

### F-2 dependent visa (graduate)

The F-2 visa is a nonimmigrant visa that allows dependent spouses and children of F-1 student visa holders to enter the U.S. and enroll in an educational institution. As a student with F-2 visa status, you can attend ASU only as a part-time student. For the graduate level, this means you may register for up to eight credit hours for the spring and fall terms. Some graduate programs do not allow students to attend part time. For additional information, please contact your program of interest.

More F-2 information [1]

### SEVIS Form I-20

An initial I-20 is issued for students with a new SEVIS record. A transfer I-20 is issued for students who have an active SEVIS record at a U.S. high school or higher education institution, and are transferring their records to ASU.

#### Initial I-20

If you have not been issued an I-20 in the past, or if you have but the SEVIS record affiliated with that I-20 was terminated or completed, you should request an initial I-20.

Once you have uploaded all required documents in My ASU [2] for the I-20, ASU Admission Services will begin the process of creating your initial I-20.

#### Transfer I-20

If you have an active SEVIS record at another U.S. school (high school or higher education institution) and are requesting an I-20 through ASU, you should follow the Request Transfer SEVIS Form I-20 [3] section below. Once you have uploaded all required documents in My ASU [2] for the I-20, ASU Admission Services will begin the process of creating your transfer I-20.

Go to the Transfer Sevis section [4]

### Requesting your I-20

An I-20 is an important immigration document that F-1 students need in order to obtain their student visa and enter the U.S. ASU guides each student through the process of obtaining their I-20. **Priority Tasks** on My ASU [2] alerts students to the steps they need to take. The process of obtaining an I-20 can take some time, so it is important not to wait until the last minute to begin gathering the necessary documents and uploading them.

For sponsored students, the steps to obtaining an I-20 are slightly different than for nonsponsored students. Students should use the descriptions below to determine whether or not they are a sponsored student.

#### Sponsored student

A sponsored student's school and living expenses are paid by a sponsoring agency recognized by ASU.

Some examples of sponsoring agencies are ADNOC, ARAMCO, Dubai Electricity & Water Authority, Kuwait Cultural Office, Oman Cultural Division, Qatar Airways, Qatar Defense Attaché, Qatar Higher Education Institute, Qatar Petroleum, RasGas, Saudi Arabian Cultural Mission, Sidra, UAE Cultural Division and the UAE Scholarship Coordination Office.

Most of ASU's sponsored students come from Saudi Arabia, Kuwait, UAE, Qatar and Oman.

Note: Students receiving an ASU scholarship or TA/RA position are not considered sponsored students.

#### Nonsponsored student

A non-sponsored student's school and living expenses are paid for through personal or family funds, loans or through other means not associated with an ASU-recognized sponsoring agency.

Students who are unsure if they are a sponsored student should contact ASU Admission Services at ASUinternational@asu.edu [5] or +1 480-965-2437.

## Steps to request an I-20

### Step 01 Fill out the Financial Guarantee form

In compliance with the Department of Homeland Security and SEVIS regulations, all international applicants on the F-1 student visa must provide evidence of sufficient funds available for their studies in the U.S. For this purpose, a Financial Guarantee form [6] must be completed and submitted along with bank statements dated within the past six months and signed or wet stamped by an authorized bank or representative, or by a recognized sponsoring agency in the U.S. Please submit your Financial Guarantee form along with your bank statements or sponsor letter from an authorized sponsoring agency. ASU will not be able to process your SEVIS Form I -20 without receipt of your Financial Guarantee.

Please refer to the Financial Guarantee form to determine the amount of funds required for your specific program and campus. You can access the form here [6].

Students with dependents (a spouse and/or child) who will be joining them in the U.S. during their time on an F-1 or J-1 visa will need to provide proof of the following additional funds:

#### **Additional financial support needed for dependents**

Spouse – \$7,000

Each child – \$5,000

Financial Guarantee form [6]

### Step 02 Provide bank statements

The **Financial Guarantee form is separate** from the financial documentation that you will need to provide. Examples of **financial documents** valid for I-20 processing are listed below.

**Bank statements** that show liquid funds (funds that can be immediately accessed and used). These can be one statement covering the entire amount displayed on the financial guarantee form for one year of attendance at the university, or a collection of bank statements from the people listed on the financial guarantee as sponsors. Note that the summary of available balances on these statements will still need to total the amount listed on the financial guarantee form for one year of attendance at the university. These statements need to be dated within the last 12 months. Please note that an Affidavit of Support cannot be used in lieu of a bank statement.

For sponsored students, a **sponsor letter** produced by a sponsoring agency recognized by ASU stating the applicant's full name, academic program in ASU, term of the sponsorship and amounts covered by it. Some of the agencies are: ADNOC, ARAMCO, Dubai Electricity & Water Authority, Kuwait Cultural Office, Oman Cultural Division, Qatar Airways, Qatar Defense Attaché, Qatar Higher Education Institute, Qatar Petroleum, RasGas, Saudi Arabian Cultural Mission, Sidra, UAE Cultural Division and the UAE Scholarship Coordination Office. You can read more about this in the sponsored student section.

### Step 03 Upload a copy of your passport

You may take a clear photo or scan of the biographic page of your passport and upload it to the link on My ASU [2]. The bio page is the page that shows your picture and personal details. Your passport must be valid for at least six months after your proposed date of entry into the U.S. If it is not valid, the I-20 will not be processed.

### Step 04 Request initial SEVIS Form I-20 or Form DS-2019

#### *Undergraduate students*

Once you are admitted to ASU and submit your financial guarantee, you will need to complete two steps for us to create and send your SEVIS Form I-20 or Form DS-2019. The tasks will appear in your Priority Tasks list on My ASU [2]. Upload the following items through My ASU, then request Form I-20 or Form DS-2019:

- Financial Guarantee form [6]
- Proof of finances (bank statement)
- Passport

Click on Priority Tasks to notify us if you are in the U.S. and to request the delivery option for your SEVIS Form I-20.

If you are already studying in the U.S. on a SEVIS Form I-20, you will need to have your records transferred to ASU by following the Transfer SEVIS Form I-20 steps (see Step 03 below).

#### *Graduate students*

Once you are admitted to a graduate program at ASU, you will see new items on your My ASU [2] Priority Tasks list. The items include:

- Financial Guarantee form
- Proof of finances
- Passport
- "Request I-20" or "Request DS-2019"

When you click on the items in your Priority Tasks, a pop-up box will provide you with additional information and directions for what you need to do.

You will also see two Graduate Admission Services holds, which will be removed only when your SEVIS Form I-20 or Form DS-2019 is issued.

When you submit your Financial Guarantee form and proof of finances, allow three business days for the items to be processed and removed from your Priority Tasks list. When the documentation has been added to your electronic file, you will be assigned to a student services assistant who will process your SEVIS Form I-20 or DS-2019, and who will contact you if there is a problem. Processing a SEVIS Form I-20 or Form DS-2019 usually takes three to seven business days.

#### **OR**

#### Step 04 Request Transfer SEVIS Form I-20 or Form DS-2019

##### *Undergraduate students*

Print the ASU Undergraduate SEVIS Transfer Request form [7] and submit it to your current school informing your intent to enroll at ASU.

Pick up the new ASU SEVIS Form I-20 in ASU's Office of Undergraduate Admission Services when you arrive at ASU, then report to the International Students and Scholars Office.

If you are going to travel outside the U.S. before your studies at ASU, you will need to re-enter the U.S. with the ASU SEVIS Form I-20. Contact ASU International Admission Services [8] to make arrangements to receive the ASU SEVIS Form I-20 before leaving the U.S. ASU will not mail the SEVIS Form I-20 unless you request it. If you need your SEVIS Form I-20 sent to your home country, ASU can send it through FedEx if you provide a credit card number and expiration date to charge the FedEx fee. Present the ASU SEVIS Form I-20 at the U.S. Port of Entry.

If you have any questions, please contact the international student advisor at the school that you are now attending or contact:

Admission Services  
1151 S Forest Avenue  
Tempe, AZ 85287-0112  
Phone: 480-965-2437  
Email: [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [5]

##### *Graduate students*

Print the ASU SEVIS Transfer Request form [9]. Fill out the top part of the form and submit it to your current school to inform them of your intent to transfer to ASU. They need to fill out the bottom portion indicating a specific transfer date.

Your SEVIS Form I-20 or Form DS-2019 will be mailed to you or will be available for pick up according to the information you provided when you submitted the "Request I-20" or "Request DS-2019."

If you will travel outside the U.S. before your studies at ASU, contact Admission Services at 480-965-6113 or [gograd@asu.edu](mailto:gograd@asu.edu) [10] to provide details about your travel plans.

## Step 05 Review SEVIS Form I-20 or Form DS-2019

It is important to understand your SEVIS document; each page contains important information that you must read. You must ensure that all information is correct (spelling, dates, etc.). If there are any mistakes, please contact the admission office as soon as possible to have the information corrected. You will need the SEVIS Form I-20 or Form DS-2019, your ASU notification of admission, the Financial Guarantee form and your passport in order to obtain your student visa at the U.S. consulate nearest you [11].

### *Understanding the SEVIS Form I-20*

The SEVIS Form I-20 is a three-page government document used for students to obtain an F-1 visa.

- Page 1 contains program and biographical information.
  - Your SEVIS Identification Number is on the top right side of the form. You will need this number for your visa application and to pay the SEVIS fee.
  - F-1 students will be permitted to enter the U.S. 30 days prior to their report date, which is No. 5 on their SEVIS Form I-20. Please note that if you enter the U.S. after the report date, you may encounter difficulty with immigration officials at the Port of Entry. By signing the Student Certification No. 11 on the SEVIS Form I-20, you are acknowledging that you have read and understand the terms and conditions of F-1 status.
- Page 2 contains instructions for the school and student. It is important that you read Page 2 of your SEVIS Form I-20, which has important immigration information for maintaining your F-1 status while pursuing your studies as ASU.
- Page 3 contains spaces for future travel authorization. You will not need a signature on this page when you travel to the U.S. using your SEVIS Form I-20 for the first time.

**Note:** Dependents accompanying the F-1 student in F-2 status must have their own SEVIS Form I-20, issued in the name of the dependent.

### *Understanding the SEVIS Form DS-2019*

The SEVIS Form DS-2019 is a two-page government document used for students and scholars to obtain a J-1 visa.

- Page 1 contains program and biographical information.
  - Your SEVIS Identification Number is on the top right side of the form. You will need this number for your visa application and to pay for the SEVIS fee.
  - This page also contains spaces for future travel authorization. You will not need a signature on this page when you travel to the U.S. using your SEVIS Form DS-2019 for the first time.
- Page 2 contains instructions for the school and student. It is important that you read Page 2 of your SEVIS Form DS-2019, which has important immigration information for maintaining your J-1 status while pursuing your studies at ASU.

**Note:** Dependents accompanying the J-1 student in J-2 status must have their own SEVIS Form DS-2019, issued in the name of the dependent.

## Step 06 Process SEVIS Form I-901 and payment

Upon receipt of SEVIS Form I-20 or Form DS-2019, you will have the information needed to pay the SEVIS fee and the SEVIS Form I-901 fee [12]. You must pay the SEVIS fee and have a receipt prior to applying for a student visa.

The SEVIS Form I-901 [12] fee is mandated by the U.S. Congress to support the program office and the automated system that keeps track of students and exchange visitors, and ensures that they maintain their status while in the U.S.

## **I-20 and DS-2019 issuance timeline**

The U.S. government has strict regulations on the issuance of I-20 and DS-2019 documents to international students who wish to attend an educational institution in the U.S. The dates below are for issuance of an I-20 or DS-2019, the latest date to report to the appropriate international student office, and the final day to be enrolled full time. Any noncompliance with these dates may preclude you from registering for classes. International students not enrolled full time will have their SEVIS record terminated and become subject to detainment and deportation.

### *Fall 2019 semester*

#### **Feb 18, 2019**

First day for ASU to issue I-20/DS-2019 for fall 2019 admits

#### **July 15, 2019**

Final day for international students living outside the U.S. to upload I-20/DS-2019 documents to MyASU [2]

#### **July 22, 2019**

Final day for ASU to ship initial I-20/DS-2019 (sent outside U.S. to accommodate visa processing time)

#### **July 22, 2019 – Aug.22, 2019**

Mandatory SEVIS check-in with ISSC

#### **Aug. 5, 2019**

Final day for international SEVIS transfer students currently in the U.S. to upload I-20/DS-2019 documents to MyASU [2]

#### **Aug. 12, 2019**

Final day for ASU to ship I-20/DS-2019 (international SEVIS transfer students in U.S., including Global Launch)

#### **Aug.22, 2019**

First day of classes and deadline for international students to report to ISSC

### *Spring 2020 semester*

#### **Sept 1, 2019**

First day to issue I-20/DS-2019

#### **Dec 13, 2019**

Final day to ship I-20/DS-2019 outside the U.S.

#### **Dec 13 — Jan 13, 2020**

MANDATORY SEVIS check-in with ISSC

#### **Jan 3, 2020**

Final day to ship I-20/DS-2019 for SEVIS transfer students within the U.S.

#### **Jan 13, 2020**

Final day for SEVIS transfer students in the U.S. to pick-up I20 at ASU.

#### **Jan 13, 2020**

First day of classes and deadline to check-in with ISSC

### *Summer 2020 semester*

#### **Jan 2, 2020**

First day to issue I-20/DS-2019

#### **April 17, 2020**

Final day to ship I-20/DS-2019 outside the U.S.

#### **April 18, 2020 — May 18, 2020**

MANDATORY SEVIS check-in with ISSC

#### **May 18, 2020**

Final day to ship I-20/DS-2019 for SEVIS transfer students within the U.S.

**May 18, 2020**

Final day for SEVIS transfer students in the U.S. to pick-up I20 at ASU.

**May 18, 2020**

First day of classes and deadline to check-in with ISSC

*Fall 2020 semester***Jan 2, 2020**

First day to issue I-20/DS-2019

**July 20, 2020**

Final day to ship I-20/DS-2019 outside the U.S.

**July 20, 2020 — Aug 20, 2020**

MANDATORY SEVIS check-in with ISSC

**Aug 10, 2020**

Final day to ship I-20/DS-2019 for SEVIS transfer students within the U.S.

**Aug 20, 2020**

Final day for SEVIS transfer students in the U.S. to pick-up I20 at ASU.

**Aug 20, 2020**

First day of classes and deadline to check-in with ISSC

**Student visa checklist****Step 01 Apply for nonimmigrant visa, DS-160**

As a visa applicant, you must submit a completed DS-160, Online Nonimmigrant Visa Application [13] for all nonimmigrant visa categories. Read complete details about student visas [14].

**Note:** After you have completed the DS-160, you will need to print and keep the DS-160 barcode page.

**Step 02 Schedule visa interview**

To schedule your interview, locate your local U.S. Embassy or Consulate [11]. Each consulate sets its own timeline for accepting and processing [15] student visa applications. If the consulate says apply “at least” 60 days before your program departure, this means no fewer than 60 days. To avoid problems, submit your visa application at the earliest date the consulate will accept it.

**Step 03 Pay visa application fee**

Please read information about nonimmigrant visa application fees [16]. Applicants must pay these fees as directed prior to their visa interview, and they must bring the receipt to their interview.

If the visa is issued, please note that a visa issuance reciprocity fee may be applicable based on your country of citizenship. Please refer to the Visa Reciprocity Table [17] to see if this fee applies to you.

**Step 04 Prepare for visa interview**

Start gathering the required documents for your student visa application the moment you apply to your program. Read through all information provided online by the U.S. Embassy or Consulate [11] that you will be visiting. At your interview, you will need to provide:

- SEVIS Form I-20 or Form DS-2019 with your SEVIS record number issued by ASU
- a receipt of your SEVIS Form I-901 fee
- confirmation page for application form DS-160
- passport valid for at least six months after your proposed date of entry into the U.S.
- one 2x2 inch photograph of yourself
- a receipt of your visa application fee(s) — pay before your appointment

- financial evidence showing you, your parents, or your sponsor have sufficient funds to cover your tuition and living expenses during your studies
- transcripts or diplomas from previous schools attended
- scores from standardized tests required by the college, such as the TOEFL

Tips on preparing for your interview [18]

#### Step 05 Prepare documents for travel

As you get ready to arrive in Arizona, be sure to prepare your documents for travel. Here are some items you should carry with you. It is advisable to keep a copy in your checked luggage and one with your family at home. Make sure you have these original documents available at all times while traveling to and within the U.S.:

- I-20 or DS-2019
- valid passport
- current visa
- copy of immunization records
- original supporting financial documents
- dependents' I-20 or DS-2019 and passports if your spouse and children will be traveling with you
- international travel coverage documents, if you purchased this coverage

### Frequently asked questions about student visa

#### HOW DO I GET A STUDENT VISA?

To get a student visa, you must first apply and be admitted to ASU. Once admitted, you must apply for an I-20 through ASU by uploading the required documentation. Once you receive your SEVIS number from the I-20 created by ASU, you'll apply for your student visa through your country's embassy. The visa process includes some paperwork and an in-person interview with an immigration officer at your local embassy. The embassy then creates the student visa with your passport and will indicate the dates you can arrive in the U.S. for your studies.

#### WHAT IS SEVIS?

SEVIS stands for Student and Exchange Visitor Information System. You must complete a SEVIS form I-20 to get an F-1 student visa or a SEVIS form DS-2019 to get a J-1 student visa.

#### CAN I GET A JOB WHILE IN THE U.S. AS A STUDENT?

Yes, you may work as a student, though ASU recommends you work no more than 20 hours per week. Many international students work for ASU, as the university employs more than 10,000 students. You may also work off campus, but if you do, it's important that your employer understands that you are an ASU student and that your education is one of your top priorities.

View more FAQs [19]

**Source URL:** <https://admission.asu.edu/international/student-visa>

#### Links:

[1] [https://admission.asu.edu/sites/default/files/33056\\_f-2dependentsintous\\_handout\\_v8.pdf](https://admission.asu.edu/sites/default/files/33056_f-2dependentsintous_handout_v8.pdf)

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

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

[4] <https://admission.asu.edu/international/student-visa#transfer>

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

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

[7] <https://students.asu.edu/forms/undergraduate-sevis-transfer-form>

[8] <https://admission.asu.edu/contact/international>

[9] <https://students.asu.edu/graduate-sevis-transfer-request-form>

[10] <mailto:gograd@asu.edu>

[11] [www.usembassy.gov](http://www.usembassy.gov)

[12] <https://www.fmjfee.com/i901fee/index.html>

[13] <https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/forms/ds-160-online-nonimmigrant-visa-application.html>

[14] <https://travel.state.gov/content/travel/en/us-visas/study/student-visa.html>

[15] <https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/wait-times.html>

[16] <https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/fees/fees-visa-services.html>

[17] <https://travel.state.gov/content/visas/en/fees/reciprocity-by-country.html>

[18] <https://travel.state.gov/content/visas/en/us-visas/immigrate/immigrant-process/interview/prepare.html>

[19] <https://admission.asu.edu/contact/faqs#international>

## Admitted students

Coming to ASU

### **Congratulations on your admission to ASU. It is our pleasure to welcome you.**

We are excited that you have chosen to pursue your degree at Arizona State University.

This is your guide you through the important steps you need to take to enroll for classes and prepare for the beginning of your academic year. Here you will find information about the visa application process, preparing for travel, arriving at ASU, registering for courses and much more.

Be sure to check My ASU [1] regularly and complete any pending items under your **Priority Tasks**. We wish you a successful academic year and look forward to seeing you in Arizona soon.

### **Before you leave for ASU**

Step 01 Request your I-20 and apply for your visa

International students who wish to pursue their studies at ASU must obtain an F-1 or J-1 visa. To obtain a visa, students must first receive a SEVIS number and I-20 document from ASU. Learn more about the SEVIS and student visa steps.

Request your I-20 from ASU

An I-20 is an important immigration document that F-1 students need in order to obtain their student visa and enter the U.S. ASU guides each student through the process of obtaining their I-20.

**Priority Tasks** on My ASU [1] alerts students to the steps they need to take. The process of obtaining an I-20 can take some time, so it is important to begin gathering the necessary documents and uploading them to My ASU quickly after being admitted.

Learn more about requesting your I-20 [2]

Once you have received your SEVIS and I-20 from ASU, here are your basic next steps:

- Check your I-20 or DS-2019 for accuracy and sign it.
- Visit [fmjfee.com](http://fmjfee.com) [3] to submit Form I-901 and pay the SEVIS fee.
- Schedule an appointment with a local U.S. Consulate.
- Visit your local U.S. Consulate at the appointed time and pay the visa application fee (this is not the SEVIS fee).
- Visit this page to learn more information about student visa [2].

Step 02 Activate your ASU ID and email account

After you applied to ASU, you were issued an ASURITE UserID in an email. This ID gives you access to ASU's online student services through My ASU [1]. You must activate your ASURITE UserID online.

- While activating your ASURITE UserID [4] you can set up your ASU (@asu.edu) email account. This email is the official address to which the university sends email communications and is recorded in ASU's electronic directories.
- If you do not have an ASURITE UserID and activation code, call 480-965-2437. If you need help with the activation process, contact the University Technology Office Help Desk at 1-855-278-5080.
- Review computer security guidelines [5].



### Step 03 Complete tasks in My ASU

#### Enrollment deposit (freshmen only)

Pay your enrollment deposit on My ASU [1] to confirm you will attend.

#### MMR immunization

You must submit your measles (rubeola), mumps and rubella immunization form before you can register for classes. Visit the ASU Health Services website [6] for more information. If you are under 18 years old, please plan to bring a signed consent form [7] for medical treatment with you to the U.S. Check My ASU [1] and click on the MMR Immunization hold for detailed instructions.

#### Math placement test (undergraduates only)

Take the math placement test [8] online. New students enrolling in a math class are required to take the math placement test unless they have transferred an equivalent course to ASU. Take the test as early as possible. Students who are required to take the test will see the item "Take Math Placement Test" under **Priority Tasks** in My ASU [1].

#### Complete pre-orientation on My ASU

All international students are encouraged to complete the digital orientation available on My ASU [1] prior to arrival to ASU.

### Step 04 Transfer credit

If you are a transfer student bringing college credit with you, Admission Services initially awards transfer credit. However, your academic advisor in your major will determine how the credit applies to your degree. Call 480-965-2437 or email [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [9] if you have any questions.

### Step 05 Review housing and dining options

ASU offers on-campus housing options [10] at all campus locations. As a student living on campus, you will have convenient access to the opportunities, resources and programs offered at ASU, both academic and professional. To apply to live on campus, please visit My ASU [11] to choose your housing preferences. If you intend to live elsewhere, please notify the university by choosing that option on your **Priority Tasks** in My ASU. If you are a transfer or graduate student not planning to live on campus and need assistance with your housing transition, please contact Off Campus Housing [12].

ASU offers several meal plan options for students living on and off campus. Review meal plan options [13] and visit [housing.asu.edu](http://housing.asu.edu) [10] for information on housing and dining options.

### Step 06 Schedule academic advising appointment and register for classes

Register for classes by going to the Academic Support Team box in My ASU [1] and clicking on **Academic Advising** to schedule an advising appointment.

All freshman students are required to pay the enrollment deposit [14] prior to registering for courses. Learn more [14]

Transfer students in Ira A. Fulton Schools of Engineering and W. P. Carey School of Business will receive additional information by email from their college about the next steps to take to receive advising and register for classes.

If you are a graduate student, you will need to contact your academic department about steps to take to select and register for courses. You can view your academic unit contact information in the My Programs and Degree Progress box in My ASU [1]. Note that you may have holds on your enrollment that you need to complete before you can register for classes.

- **Fall admits:** Class registration typically becomes available mid-spring.
- **Spring admits:** Class registration typically becomes available mid-October. Take some time now to review and complete any outstanding holds you may have under Priority Tasks in My ASU so you can be ready for registration.

Class registration [1]

## Step 07 Learn about tuition and fees

Tuition charges will be billed to your student account and may be viewed online through My ASU [1]. By registering for classes, you agree to pay all applicable tuition and registration fees. If you decide not to attend, you must completely withdraw from all classes before the semester begins.

If tuition is not paid by the applicable due date, you will automatically be enrolled in the tuition installment plan and charged a nonrefundable enrollment fee. Visit the Tuition and Billing website [15] for more information.

You can access online billing through My ASU [1]. Click on **My Finances**, then **Make a Payment**. Students are responsible for reviewing their ASU email account for notification of billing statements and reviewing their student account on My ASU [1] for current information. Billing statements are not mailed to your home.

## Step 08 Make travel arrangements

**Aug. 22, 2019** is the first day of fall semester classes. It is also the last day you can arrive and conduct your SEVIS check-in. You are expected to arrive in the U.S. for International Student Orientation [16]. You may not enter the U.S. more than 30 days before the start date listed on your SEVIS I-20 Form or DS-2019. If you are not able to arrive by the first day of classes due to visa delays, you must contact International Admission Services at ASUinternational@asu.edu [9]. Admission Services will provide you with further instructions. Do not attempt to enter the U.S. after the school start date indicated on your I-20 or DS-2019, as you will be denied entry. See the academic calendar [17] for important dates for the upcoming semester.

Learn more about orientation [16]

### Traveling to ASU: items to place in your carry-on luggage

- Passport, visa, and signed I-20
- U.S. currency  
You will need access to finances to cover the expenses of your first few weeks. The recommended payment methods in the U.S. are debit and credit cards.
- Medical information  
Bring a copy of your health and immunization records and any medical prescriptions you need.
- Valuables  
Put valuables such as currency, jewelry, laptop, etc. in your carry-on luggage.
- Local U.S. address  
Make sure to have with you the address where you will live.
- Contact information  
Bring a list of the names, addresses, phone numbers and email addresses of key contacts in the U.S. and at home.

### Entering the U.S. and arriving in Phoenix

Most students will arrive in the U.S. at an airport other than Phoenix Sky Harbor (PHX). If you will arrive at PHX on an international flight, please see the international information on the Sky Harbor website [18].

Regardless of your Port of Entry (POE), at the first entry point into the U.S. as a legal nonimmigrant, you will be required to complete the items below. For more explanation of what to expect at a POE, visit the U.S. Immigration and Customs website [19].

#### Visa/I-20 checkpoint

At your point of entry, U.S. Customs and Border Protection will check your documents. This is where you will need to present your passport, visa and I-20 to the Customs and Border Protection officer.

The passport must be stamped by the port of entry official notating F-1 D/S or J-1 D/S (Duration of Status), date, and location of arrival in the U.S. If this is incomplete or the stamped date or visa classification is incorrect, please bring it to the attention of the port of entry official so they can make the correct annotation. Errors noticed after you leave the airport should be brought to the attention of the International Students and Scholars Center.

While a CBP officer inspects your immigration documents, you may be asked some general questions. Don't get agitated or nervous; it's just a routine procedure. Always answer clearly, honestly and politely. If there is a problem, suggest that they contact the International Students and Scholars Center at 480-727-4776. We are open during office hours, Monday through Friday, from 8 a.m. to 5 p.m.

There is no cause for alarm if you are asked to step into a side room. They may need to ask you some questions or verify some information. You are allowed to ask the officer what the issue is — just do so respectfully.

### Customs checkpoint

After checking your documents and clearing you to enter the U.S., you will proceed to the baggage claim area to collect your luggage. You will then need to enter a line with U.S. Customs (or Agricultural Dept.) officials where they may ask about the contents of your bags or ask to open them. Students should follow their instructions and answer their questions honestly and politely. Please bear in mind that the penalty for carrying contraband is very high and may result in deportation.

After you collect your luggage, you will go through the customs checkpoint. This is where you turn in the form you were given on the airplane. On this form, you must declare if you have funds exceeding \$10,000 (in any currency) and any items that need to be declared. Please visit [cbp.gov](http://cbp.gov) [20] for detailed information on what you are allowed to bring and what items you need to declare.

### Airport transportation and connecting flights

Once you have cleared the customs checkpoint, you will exit into the international arrivals area of the airport. If you need to catch a connecting flight (to get to PHX), you will need to take your bags with you to the proper terminal or check-in counter for your domestic flight. At many airports, you will need to take a free inter-terminal shuttle to get to the proper location. We highly recommend visiting the website of your international destination airport to become familiar with what you will need to do.

Additionally, each U.S. airline has separate policies regarding charges for checked luggage and weight requirements. We strongly recommend researching your airline's domestic flight baggage policies so that you know if you will incur charges at check-in for your domestic flight. Finally, the U.S. Transportation Security Administration (TSA) has detailed information about what you can carry on and things to consider when traveling within the U.S.

## Post-arrival checklist

### Step 01 Obtain I-94 form

An I-94 is a form denoting the arrival or departure record of particular foreigners (including students on an F-1 or J-1 visa) used by U.S. Customs and Border Protection.

All arrival and departure information will be gathered electronically at a customizable website [21], where visitors can print a paper copy of their I-94 record or verify immigration status or employment authorization, as well as record number and admission information.

Prior to completing your SEVIS check-in, you will need to obtain a copy of your I-94 [22].

### Step 02 Complete your online SEVIS check-in

SEVIS check-in is a mandatory process per U.S. immigration policies. In order to stay in compliance, all international students are required to report to the International Students and Scholars Center, including:

- students who are entering the U.S. for the first time on an ASU I-20 or DS-2019
- students who have been in the U.S. on an I-20 or DS-2019 from another school and are transferring to ASU
- students who have attended ASU's Intensive English Program through the Global Launch English Program

After you arrive in the U.S., you can use your smartphone or computer to complete the SEVIS check-in by following these three simple steps to report your arrival before the start date listed on your I-20 or DS-2019:

1. Upload copies of your immigration documents by logging in to My ASU and clicking on **Complete New Student Check-in** under your **Priority Tasks**.
2. Update your local address and SEVIS address in My ASU [1].

- Local address must be a residential address in the U.S. and must contain street number, street name, city, state and postal code.
  - SEVIS address must be a residential address in your home country.
  - PO boxes, company addresses or school addresses are **not** valid addresses.
3. Learn how to maintain your visa status [23].

During International Student Orientation [16], you will be guided through the process of SEVIS registration and receive important information about F-1/J-1 immigration compliance, enrollment and other essential matters to facilitate a smooth transition to the university and to successfully begin your ASU experience.

Please email [issc@asu.edu](mailto:issc@asu.edu) [24] if you have any questions.

#### Step 03 Get your ASU ID card

You have the option to obtain the Sun Card [25] or the Pitchfork Card [26] when you arrive at ASU. The Sun Card is the official ASU student photo ID that allows you to complete in-person transactions and gain access to ASU Libraries and other services. The Pitchfork Card is two cards in one — an ASU student ID card and a MasterCard® check card.

Learn more about the main differences between the Sun Card and the Pitchfork Card [27].

Get your Sun Card [25] or the Pitchfork Card [26] as soon as you arrive at ASU. It is also highly recommended that you obtain an Arizona state ID card. If you want to drive in the U.S., you need to get an Arizona driver license [28] (instead of an Arizona state ID card).

#### Step 04 Get a cell phone and set up a bank account

Review the International Student Guide [29] for advice on getting a cell phone, setting up a bank account and other items to support your transition to the U.S. and ASU.

#### Step 05 Attend International Student Orientation

Incoming international students are required to attend orientation. You will learn important information about the university and how to prepare for a successful academic year. For specific information and to register, go to the orientation website [16].

#### Step 06 Get involved at ASU

Explore ASU's international student organizations [30], and meet other ASU international students when you arrive. ASU has more than 1,000 student clubs and organizations, giving you many opportunities to make connections and pursue activities that you are passionate about.

#### **Useful resources for international students**

On-campus housing [10]

Off-campus housing [12]

International Students and Scholars Center [31]

International Student Engagement [32]

Clubs and organizations [30]

Academic support [33]

ASU Health Services [34]

Transportation [35]

#### **Frequently asked questions about international admission**

##### WHEN DO I APPLY FOR A VISA?

You should apply for a visa after you receive your I-20 and SEVIS number from ASU. Because the entire process of obtaining your visa can take several months, you should start the visa process, which includes applying for your I-20 and your interview with an immigration officer, the semester before you plan to arrive at ASU.

## HOW DO I GET AN I-20?

To receive your I-20, you must submit various documents to ASU once you are admitted. These documents include the Financial Guarantee form, the Transfer SEVIS form (if applicable), financial support documentation and a copy of your passport. Upon receipt, ASU will issue you a SEVIS number so you can begin the visa process.

## CAN INTERNATIONAL STUDENTS LIVE OFF CAMPUS?

Yes, international students may live off campus, though living on campus is highly recommended for all students. You can find helpful off-campus housing resources [12] through ASU. If you plan to live off campus, you should notify ASU by choosing that option in your **Priority Tasks** on My ASU.

View more FAQs [36]

**Source URL:** <https://admission.asu.edu/international/admitted>

### Links:

- [1] <https://my.asu.edu>
- [2] <https://admission.asu.edu/international/student-visa>
- [3] <https://fmjfee.com>
- [4] <https://weblogin.asu.edu/password/activation>
- [5] <https://getprotected.asu.edu>
- [6] <https://eoss.asu.edu/health/services/immunization>
- [7] [https://admission.asu.edu/sites/default/files/consent\\_to\\_medical\\_treatment\\_underage.pdf](https://admission.asu.edu/sites/default/files/consent_to_medical_treatment_underage.pdf)
- [8] <https://students.asu.edu/math>
- [9] <mailto:asuinternational@asu.edu>
- [10] <https://housing.asu.edu>
- [11] <https://webapp4.asu.edu/myasu/>
- [12] <https://eoss.asu.edu/offcampushousing>
- [13] <https://sundevildining.asu.edu/meal-plans>
- [14] <https://admission.asu.edu/freshman/deposit>
- [15] <https://students.asu.edu/tuitionandbilling>
- [16] <https://admission.asu.edu/international/orientation>
- [17] <https://students.asu.edu/academic-calendar>
- [18] <https://www.skyharbor.com/BeforeTraveling/InternationalTravel>
- [19] <https://www.ice.gov>
- [20] <https://www.sbp.gov>
- [21] <https://www.cbp.gov/travel/international-visitors/i-94>
- [22] <https://i94.cbp.dhs.gov/i94/#/home>
- [23] <https://issc.asu.edu/status/students/guidelines>
- [24] <mailto:issc@asu.edu>
- [25] <https://cfo.asu.edu/suncard-get>
- [26] <https://cfo.asu.edu/cardservices-pitchfork>
- [27] <https://cfo.asu.edu/cardservices>
- [28] <https://www.azdot.gov/mvd/driver/driverservices.asp>
- [29] <https://eoss.asu.edu/student-engagement/international/student-guide>
- [30] <https://issc.asu.edu/support-services/students-f-j/student-organizations>
- [31] <https://issc.asu.edu/>
- [32] <https://eoss.asu.edu/student-engagement/international>
- [33] <https://issc.asu.edu/lets-chat-series>
- [34] <https://eoss.asu.edu/health>
- [35] <https://cfo.asu.edu/transportation>
- [36] <https://admission.asu.edu/contact/faqs#international>

## ***Veteran students***

Military and veterans at ASU

### **Benefits**

Are you ready to enroll for your education benefits? Are you looking for the right forms to fill out? Are you a dependent and not sure what to do next?

Check out these steps [1] for getting your benefits started.

For additional assistance, contact ASU's veteran and military admissions specialist.

Contact us [2]

### **Pat Tillman Veterans Center**

ASU's Pat Tillman Veterans Center is one of the reasons ASU is a top university for veteran, military and dependent students. The center's mission is to empower and engage our ASU military and veteran community with their academic and personal success here at ASU and beyond.

Pat Tillman Veterans Center [3]

### **Campuses and ASU Online**

ASU options let you choose the best learning environment for you, from a location known for outdoor adventures and one-on-one attention (ASU@Lake Havasu) to highly ranked ASU Online with the same degrees and professors as our on-campus programs to a large traditional campus (Tempe campus) — and everything in between (Downtown Phoenix, Polytechnic and West campuses).

Find your campus fit [4]

### **Are you looking for a veteran application to ASU?**

We make it easy — there's no separate application for veteran and military applicants. Just submit the application for your student level.

Undergraduate freshman [5] Transfer [5] Graduate [6]

Connect with a veteran and military admissions specialist [7] in the Pat Tillman Veterans Center if you have any questions about applying to ASU.

### **Transcripts**

Undergraduate applicants:

Admission Services  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

Graduate applicants:

Graduate Admission Services  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

## Military transcripts

ASU accepts the following military transcripts:

- CCAF Transcript [8] (Community College of the Air Force Transcript)
- JST [9] (Joint Services Transcript)

The CCAF is a regionally accredited community college. If you received credit for courses taken through the CCAF while serving in the Air Force, submit this transcript as part of your undergraduate application. The JST will be reviewed for possible transfer credit but is not evaluated for admission. Submit your JST as early as possible for timely evaluation, but it will not delay your admission decision.

More about transferring military credits [10]

## Air University's Associate to Baccalaureate Cooperative

Arizona State University is working in collaboration with Air University to recognize the military education of incoming Air Force personnel. Learn more about this exclusive partnership.

Air University [11]

## Frequently asked questions about being a veteran at ASU

WHAT'S IT LIKE TO BE A VETERAN OR MILITARY STUDENT AT ASU?

There are more than 7,200 veterans and military students on campus and online. You'll receive support from the Pat Tillman Veterans Center, the VA VetSuccess on Campus counselor, and ASU's faculty and staff to succeed in your goals — from applying to ASU, getting your benefits set up, making sure you are using your benefits to your best advantage, and getting connected to events and opportunities for veterans and military students.

IS ASU A MILITARY FRIENDLY SCHOOL?

ASU is consistently recognized as one of the best schools in the country, both on campus and online, for veterans and the military community. We want veteran and military students and their families to succeed, achieve their goals and move on to the next chapter in their lives, and we're here to help you get there. Learn more [12].

WHAT ARE THE STEPS TO GETTING ADMITTED AS A STUDENT VETERAN?

We understand the admission process can be complicated, so we've created a checklist to help guide you through it. Start your application [5] and refer to this checklist [13] throughout the admission process for helpful tips about applying and succeeding as an active veteran or military student at ASU.

ARE THERE ANY DEGREE PROGRAMS JUST FOR VETERANS OR MILITARY STUDENTS?

ASU does not yet offer exclusive degree programs for veteran or military students. However, we encourage you to take advantage of two courses specifically designed to connect you with other veteran and military students on campus and online, and introduce you to various resources available through the university, the state of Arizona and the Department of Veteran Affairs. Learn more [14] about these programs.

View more FAQs [15]

**Source URL:** <https://admission.asu.edu/veterans>

### Links:

[1] <https://veterans.asu.edu/benefits/start>

[2] <https://admission.asu.edu/contact/veterans>

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

[4] <https://yourfuture.asu.edu/content/find-asu-fits-you>

[5] <https://admission.asu.edu/apply>

[6] <https://webapp4.asu.edu/dgsadmissions/>

[7] <https://veterans.asu.edu/student-services/military-advocate#advocate>

[8] [www.airuniversity.af.mil/Barnes/CCAF/](http://www.airuniversity.af.mil/Barnes/CCAF/)

- [9] <https://jst.doded.mil/smart/signIn.do>
- [10] <https://admission.asu.edu/transfer/transferring-credits>
- [11] <https://admission.asu.edu/transfer/air-university>
- [12] <https://asunow.asu.edu/20180411-asu-news-military-friendly-school-ranking-victory-media>
- [13] <https://veterans.asu.edu/veteran-checklist>
- [14] <https://veterans.asu.edu/student-services/veteran-student-success-class>
- [15] <https://admission.asu.edu/contact/faqs#veterans>

**Veteran benefits**

**Getting benefits started**

If you are active military, a veteran or a dependent and have not used VA education benefits before at any institution of higher education, this is where you start.

**If you're not sure which benefit you're eligible for or have any other questions about VA benefits, eligibility or processing timelines, feel free to contact Troy Rundle, ASU's VA VetSuccess on Campus counselor, at [troy.rundle@asu.edu](mailto:troy.rundle@asu.edu) [1] or 480-727-5627 (office) or 602-318-0406 (cell).**

First, apply for benefits in three easy steps

1. Complete a VA application.

VA benefit type	Use this VA application
Chapter 30, 33, 1606 and 1607	Form 22-1990 [2]
Chapter 35	Form 22-5490 [3]
Chapter 31	Eligibility/Application is determined by the Department of Veteran Affairs, Vocational Rehabilitation Office

2. Locate your additional supporting document.

VA benefit type	Include this supporting document
All types, except Chapter 1606	DD-214 Military Discharge Document — Copy Member 4
Chapter 1606	DD-2384 NOBE — Notice of Basic Eligibility



3. Submit your application and document directly to the VA using one of these methods.

- online at <https://www.va.gov/education/how-to-apply/> [4] (easy to do and fastest processing)
- mail to Department of Veterans Affairs, PO Box 8888, Muskogee, OK 74402-8888
- Troy Rundle, your direct link to the VA from ASU, can submit your application for you. Contact Troy at [troy.rundle@asu.edu](mailto:troy.rundle@asu.edu) [1] or 480-727-5627 (office) or 602-318-0406 (cell) for assistance.

If you apply online, you will receive your Certificate of Eligibility from the VA in four to eight weeks.

Next, apply to ASU

You can apply to ASU as a first-year [5], transfer [6] or graduate [7] student **before** receiving your Certificate of Eligibility from or submitting your 1905 form to the VA.

Search undergraduate degrees [8] Search graduate degrees [9]

**If you have questions about applying to ASU or how ASU resources and the Pat Tillman Veterans Center staff can help you succeed, contact us at [ASUVeterans@asu.edu](mailto:ASUVeterans@asu.edu) [10] or 480-965-7723.**

Once you've been admitted to ASU, go to steps for newly admitted students [11] to start your benefits file with the Pat Tillman Veterans Center.

### **Pat Tillman Veterans Centers**

Downtown Phoenix campus  
University Center Building, Room 130  
602-496-0152  
480-522-3058 Fax  
Hours of operation  
Mon. – Fri.: 8 a.m. – 5 p.m.

Polytechnic campus  
Administration Building  
480-727-2773  
480-522-3058 Fax  
Hours of operation  
Mon. – Fri.: 8 a.m. – 5 p.m.

Tempe campus  
Memorial Union, Lower Level, Room 75  
480-965-7723  
480-522-3058 Fax  
Hours of operation  
Mon. – Thur.: 8 a.m. – 6 p.m.  
Fri.: 8 a.m. – 5 p.m.

West campus  
University Center Building, Room 101  
602-543-8220  
480-522-3058 Fax  
Hours of operation  
Mon. – Fri.: 8 a.m. – 5 p.m.

ASU@Lake Havasu City  
Military Student Support  
480-965-7723  
480-522-3058 Fax

ASU Online  
Military Student Support  
militaryonline@asu.edu [12]  
480-884-1906  
480-522-3058 Fax

Senior military advocate [13]

Assistant military advocate [14]

VetSuccess on Campus [15]

**Source URL:** <https://veterans.asu.edu/benefits/start>

**Links:**

- [1] <mailto:troy.rundle@asu.edu>
- [2] <https://veterans.asu.edu/22-1990>
- [3] <https://veterans.asu.edu/22-5490>
- [4] <https://www.va.gov/education/how-to-apply/>
- [5] <https://students.asu.edu/admission/steps>
- [6] <http://transfer.asu.edu/steps>
- [7] <https://students.asu.edu/graduate/enrollment>
- [8] <https://webapp4.asu.edu/programs/t5/?init=false@nopassive=true>
- [9] <https://webapp4.asu.edu/programs/t5/graduate/false>
- [10] <mailto:ASUVeterans@asu.edu>
- [11] <https://veterans.asu.edu/benefits/admitted>
- [12] <mailto:militaryonline@su.edu>
- [13] <https://veterans.asu.edu/student-services/military-advocate#recruitmentsp>
- [14] <https://veterans.asu.edu/student-services/military-advocate#advocate>
- [15] <https://veterans.asu.edu/student-services/military-advocate#vetsuccess>

**Next steps for newly admitted students**

If you are active military, a veteran, a spouse or dependent and a newly admitted freshman, transfer or graduate student at ASU, read on.

Welcome to Arizona State University!

ASU appreciates the service of our military veterans and their dependents, and we want you to know you've made a great decision to join more than 3,000 other active military, veteran and dependent students furthering their education and future careers in our top-ranked programs.

Follow these next steps toward using your benefits at ASU, which are in addition to your next steps for enrollment as a freshman [1], transfer [2] or graduate student [3].

**TO GET YOUR BENEFITS FILE STARTED AT ASU, YOU NEED TO SUBMIT A FEW FORMS.**

You must first meet with your academic advisor and completely enroll in your courses to submit these three forms:

VA Benefits Responsibility Form [4]

You'll fill this form out only once while at ASU. It notifies the Pat Tillman Veterans Center of your intent to use VA educational benefits, such as the GI-Bill®, while at ASU. Please note that it contains important information regarding the use of VA benefits throughout your school enrollment. Fill out the form online and submit it directly to the Pat Tillman Veterans Center. You will receive a confirmation email indicating you have completed the form.

VA Enrollment Activity Form [5]

Let the Pat Tillman Veterans Center know if you do or do not want to use VA educational benefits for the upcoming semester. Complete this online form before each semester at ASU and submit it directly to the Pat Tillman Veterans Center. You will receive an email confirming you have submitted the form.

**Please make every effort to firm your schedule before submitting the form.** To notify us of changes you made to your enrollment after submitting the form for any given semester, submit the form again as a **revised** Enrollment Activity Form by following the choices within the form.

#### Prior Credit Evaluation [6] (PDF)

Submit this form during the ASU application process if you are transferring courses, credits and/or previous experience. You must also submit this form if you change your major so the courses you've taken are evaluated for application to your new major. Print the form, fill out the top portion, initial the middle section, sign and date at the bottom. You email the scanned form to your academic advisor for completion. Your advisor will submit it to the Pat Tillman Veterans Center. .

#### **Plus, one extra form for students who have used VA benefits at another school:**

If you have been using VA benefits at another school, fill out the appropriate VA Request for Change or Program or Place of Training form. Submit this form to the VA as indicated in the form directions.

Chapter 30, 33, 1606 & 1607 Form 22-1995 [7]

Chapter 35 Form 22-5495 [8]

Additionally, veterans and dependents using the Post-9/11 GI Bill®:

Submit to the Pat Tillman Veterans Center your VA Certificate of Eligibility or most recent letter from the VA that details your benefits remaining. Whenever you receive an updated COE or letter from the VA detailing your benefits, please submit a copy to the Pat Tillman Veterans Center. You may use one of these methods to submit the form:

1. Scan and email the form to [PTVCforms@asu.edu](mailto:PTVCforms@asu.edu) [9].
2. Fax the form to the Pat Tillman Veterans Center at 480-522-3058.
3. Take the form to the Pat Tillman Veterans Center on your campus.

#### LEARN ABOUT ELIGIBILITY FOR ARIZONA RESIDENCY AND IN-STATE TUITION.

If you currently are not an Arizona resident, there are three ways to receive in-state tuition.

1. HB 2410 is an Arizona law that allows honorably discharged veterans of any branch of the U.S. Armed Forces, including National Guard and Reserves, to receive in-state student status for tuition purposes. Read more [10] for requirements and filing instructions.
2. Choice Act, Section 702 grants eligible individuals immediate residency and in-state tuition rates. You are eligible if you are a veteran, or a spouse or dependent of a veteran who has been discharged within the 36 months prior to the start of your first semester from a period of active duty that was 90 days or longer AND is using either VA Chapter 30 or Chapter 33 benefits. Read more [10] for Choice Act requirements and directions for how to file.
3. The Yellow Ribbon Program will help cover the difference between resident and nonresident tuition for those who are not eligible for HB 2410 or the Choice Act, Section 702. Undergraduate and graduate students must be 100 percent eligible for the Post-9/11 GI Bill®. Read more [10] to find out how to apply.

#### CONNECT WITH YOUR ASU MILITARY ADVOCATE.

**On-campus veterans, spouses and dependents:** New students should contact ASU's military advocate, Michelle Loposky, at [militaryadvocate@asu.edu](mailto:militaryadvocate@asu.edu) [11] or 480-727-5626.

**ASU Online student veterans:** ASU Online veteran students who need assistance with online registration or advising issues resolved, please contact Mario Matus at 480-884-1906 or at [militaryonline@asu.edu](mailto:militaryonline@asu.edu) [12].

**On-campus and ASU Online dependent and spouse students:** New students should contact the ASU advocate dedicated to spouses and dependents, Michelle Loposky, at [militarydependents@asu.edu](mailto:militarydependents@asu.edu) [12] or 480-727-5626.

## FRESHMEN AND TRANSFER STUDENTS, CONSIDER TAKING ASU'S SUCCESS COURSE FOR VETERANS.

ASU offers a veteran specific introductory course — LIA 294 Student Success for Veterans — to support veterans' transition to the academic life. Both freshman and new transfer veteran students from any major are welcome to register. For more information [13]

## GRADUATE STUDENTS: SUBMIT YOUR GRADUATE PROGRAM OF STUDY.

As soon as you are admitted, submit a Graduate Program of Study with your advisor's assistance to ensure that the graduate courses you are taking will be covered by the VA.

## ATTEND THE VETERANS WELCOME EVENT BEFORE CLASSES BEGIN.

The Veterans Welcome event is a seminar-style orientation required of incoming graduate and undergraduate veteran students prior to their first semester at ASU. Hosted by ASU and the Pat Tillman Veterans Center, the Veterans Welcome event introduces valuable benefit information and procedures that will apply each semester student veterans use benefits. Spouse and dependent students do not need to attend this event.

New students will receive notifications by mail and email prior to the event so they can plan to attend and RSVP. Events are scheduled before both fall and spring semesters. Refreshments are provided. Space is limited so we request that students attend alone.

## GET INVOLVED AT ASU

Meet your fellow veterans at the Pat Tillman Veterans Center location on your campus. Check out our campus locations [14].

Pat Tillman Veterans Center Facebook page [15]. This page will connect you to academic, employment and social opportunities for success!

Join the Student Veterans Club associated with your campus for social events and camaraderie. Get connected on Facebook:

Downtown Phoenix Student Veterans Club Chapter [16]

Polytechnic Student Veterans Club Chapter [17]

Tempe Student Veterans Club Chapter [18]

West Student Veterans Club Chapter [19]

ASU Alumni - Veterans Chapter members mentor veteran students and help with veteran related events. [alumni.asu.edu/chapters/veterans](https://alumni.asu.edu/chapters/veterans) [20]

Want to stay active? Join an intramural team [21] (both competitive and recreational teams are available) or sport club [22], work out at the fitness center on your campus [23], go on an adventure and participate in the annual Pat's Run [24].

"GI Bill®" is a registered trademark of the U.S. Department of Veteran Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill) [25].

**Source URL:** <https://veterans.asu.edu/benefits/admitted>

### Links:

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

[2] <https://transfer.asu.edu/steps>

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

[4] <https://veterans.asu.edu/va-benefits-responsibility-form>

[5] <https://veterans.asu.edu/va-enrollment-activity-form-page>

[6] [https://students.asu.edu/files/PriorCreditEval12-03-12\\_0.pdf](https://students.asu.edu/files/PriorCreditEval12-03-12_0.pdf)

[7] <https://veterans.asu.edu/22-1995>

- [8] <https://veterans.asu.edu/22-5495>
- [9] <mailto:PTVCforms@asu.edu>
- [10] <https://veterans.asu.edu/node/1329>
- [11] <mailto:militaryadvocate@asu.edu>
- [12] <mailto:militaryonline@asu.edu>
- [13] <https://veterans.asu.edu/student-info/veteran-student-success-class>
- [14] <https://veterans.asu.edu/node/1394>
- [15] [https://www.facebook.com/?ref=tn\\_tnmn#%21/PatTillmanVeteransCenter](https://www.facebook.com/?ref=tn_tnmn#%21/PatTillmanVeteransCenter)
- [16] <https://www.facebook.com/#%21/ASUDowntownVeterans>
- [17] <https://www.facebook.com/PolytechnicVeteransClub>
- [18] <https://www.facebook.com/groups/asuveteransclub>
- [19] [https://www.facebook.com/?ref=tn\\_tnmn#%21/AsuWestVets](https://www.facebook.com/?ref=tn_tnmn#%21/AsuWestVets)
- [20] <https://alumni.asu.edu/chapters/veterans>
- [21] <https://fitness.asu.edu/programs/intramurals>
- [22] <https://fitness.asu.edu/programs/sportclubs>
- [23] <https://fitness.asu.edu/facilities>
- [24] <https://veterans.asu.edu/pats-run>
- [25] <https://www.benefit.va.gov/gibill>

## FAQs

You've got questions, and we've got answers. If your question isn't included below, please let us know. Connect with your advocate using the buttons below or email us at [PTVC@asu.edu](mailto:PTVC@asu.edu) [1].

### I MAY BE ELIGIBLE TO ATTEND ASU USING VA BENEFITS. WHO DO I CONTACT FOR THIS INFORMATION?

The Pat Tillman Veterans Center locations on all four campuses has been tasked by ASU to serve veterans who are using Veterans Administration (VA) educational benefits to pursue college degrees.

### WHAT DO I NEED TO DO TO GET MY EDUCATIONAL BENEFITS STARTED AT ASU?

The first step would be to apply for admission to the university. Once you are accepted, contact the appropriate ASU program advisor (check My ASU [2] for your advisor information). After you have enrolled in your courses, see Next steps for newly admitted students.

### HOW DO I START A FILE FOR VETERAN BENEFITS?

To start a file and initiate benefits for the term, sign a VA Benefits Responsibility Form, complete a Prior Credit Evaluation with your academic advisor, and fill out a VA Enrollment Activity Form. These forms are submitted directly to the Pat Tillman Veterans Center. For the Post-9/11 GI Bill®, please include your latest letter from the VA that details your benefit level and months/days of benefits remaining (Certificate of Eligibility). See Next steps for newly admitted students.

### DO I NEED TO BRING ANY PAPERWORK WITH ME TO THE OFFICE?

If you are a veteran and eligible for Ch. 30, Montgomery G.I. Bill, bring your member 4 copy of the DD-214.

If you are eligible for Ch. 33, Post-9/11 GI Bill® benefits, provide a copy of your Certificate of Eligibility to a Pat Tillman Veterans Center.

If you are eligible for Ch. 1606, Montgomery G. I. Bill - Reservists/National Guardsmen, provide a Notice of Basic Eligibility (NOBE), DD-2384 form, which is available from your unit's Educational Officer.

If you are eligible for 1607: Reserve Educational Assistance Program, provide your orders calling your to active duty and your DD214 (member 4 copy) when released from active duty.

### HOW DO I FIND OUT IF I HAVE ANY BENEFITS LEFT?

Contact the Department of Veterans Affairs at 1-800-827-1000.

## CAN I APPLY FOR FINANCIAL AID IN ADDITION TO USING MY VA BENEFITS?

Yes. According to legislation passed in June 2009, effective July 2009, VA benefits are no longer considered when determining financial aid eligibility.

## WHAT EXTRA BENEFITS DO I GET FOR APPLYING AS A VETERAN?

We very much want all veterans to self-identify when applying to ASU, whether using benefits or not. By identifying as a veteran, you will receive veteran specific communications and content during the period from application through enrollment. Then, while completing your degree program at ASU, we will help make sure you are connected with other veteran and military student career, networking, professional development and social opportunities.

Stay Connected!

## WHAT FEES ARE COVERED UNDER MY GI BILL?

Any fee that is universally charged by the university is covered by the GI bill. If the fee is one that is optional, your benefit will not cover it. To verify if the fee is covered, please email [ptvc@asu.edu](mailto:ptvc@asu.edu) [1].

"GI Bill®" is a registered trademark of the U.S. Department of Veteran Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill) [3]

## DOES MY GI BILL COVER THE \$300 ENROLLMENT FEE?

No, since the enrollment fees are not attached to a course of study these fees cannot be covered under your benefits.

## IS THERE A WAIVER OR REDUCTION IN THE APPLICATION FEE FOR VETERANS?

The application fee applies to all students and there is not a veteran exception.

## WHERE SHOULD I SEND MY TRANSCRIPTS?

Official transcripts should be sent to Admission Services from the issuing institution to the address below.

Admission Services  
Arizona State University  
PO Box 870112  
Tempe, AZ 85287-0112

## HOW DOES THE JOINT SERVICE TRANSCRIPT (JST) WORK AT ASU?

ASU awards credit at the undergraduate level in accordance with the American Council on Education recommendations. JST credit cannot be used for completion of General Studies requirements.

JSTs received at ASU will be automatically reviewed for all transferable credit. These credits will be reflected on each student's degree audit report. Academic advisors will evaluate transferable credit for applicability to each student's program of study.

Because of the sequence involved in this process, typically a student must be admitted to a program of study in order to determine how their JST will affect degree completion.

Your JST is available at: <https://jst.doded.mil/smart/dodMandatoryBannerForm/submit.do> [4]

## WHAT DO I DO WITH MY CCAF (COMMUNITY COLLEGE OF THE AIR FORCE) TRANSCRIPT?

Go to <http://www.airuniversity.af.mil/Barnes/CCAF/Display/Article/803247/> [5] and have it sent to ASU like a traditional transcript.

## CAN I START CLASSES ONLINE AND SWITCH TO RESIDENT COURSES AFTER I MOVE THERE?

You can start at ASU Online but will have to change majors if you want to take resident courses after relocating.

I HEARD THAT VETERAN AND MILITARY STUDENTS RECEIVE AN HONOR STOLE WHEN THEY'RE READY TO GRADUATE. IS THAT TRUE?

Yes! Veteran and military students are awarded an honor stole.

IF I GET DEPLOYED DURING THE SEMESTER, WHAT SHOULD I DO?

As soon as possible let your instructors and advisors know, then contact the military advocate at [militaryadvocate@asu.edu](mailto:militaryadvocate@asu.edu) [6] to ask them what your options are.

**Source URL:** <https://veterans.asu.edu/benefits/faqs>

**Links:**

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

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

[3] <http://www.benefits.va.gov/gibill/>

[4] <https://jst.doded.mil/smart/dodMandatoryBannerForm/submit.do>

[5] <http://www.airuniversity.af.mil/Barnes/CCAF/Display/Article/803247/>

[6] <mailto:militaryadvocate@asu.edu>

## *Barrett, the Honors College admission*

### **Admissions**

Your future at Barrett

Barrett, The Honors College, is a community of high-achieving scholars within Arizona State University who enjoy the considerable resources of a premier [1] Research I university combined with the close, personal attention provided by the staff, faculty, and deans of the highest ranked honors college in the nation.

Barrett students benefit from being part of a fully developed four-year residential community [2] and enjoy distinctive honors-only internship [3], research [4], and travel [5] opportunities. The unique honors curriculum [6] integrates seamlessly into their ASU degree requirements, while a three-pronged advising system [7] and a dedicated core of honors faculty [8] are in place to ensure a deeply supportive environment.

After graduation [9], Barrett students attend the best graduate schools, have tremendous success in national fellowship competitions, and accept positions with prominent non-profit and Fortune 500 companies.

### **How and when to apply:**

Incoming Freshman [10] Current ASU [11] Transfer [12]

National Scholar [13] International [14]

**Source URL:** <https://barretthonors.asu.edu/admissions>

**Links:**

[1] <http://yourfuture.asu.edu/excellence>

[2] <https://barretthonors.asu.edu/student-life/housing/residential-college-experience>

[3] <https://barretthonors.asu.edu/student-life/development/internships>

[4] <https://barretthonors.asu.edu/student-life/development/research>

[5] <https://barretthonors.asu.edu/global/travel-abroad>

[6] <https://barretthonors.asu.edu/academics/advising-and-requirements/lower-upper-division-requirements>

[7] <https://barretthonors.asu.edu/academics/advising-and-requirements>

[8] <https://barretthonors.asu.edu/honors-faculty-at-barrett?dept=306464&id=1>

[9] [https://barretthonors.asu.edu/sites/default/files/bhc\\_graduate\\_outcomes\\_website.pdf](https://barretthonors.asu.edu/sites/default/files/bhc_graduate_outcomes_website.pdf)

[10] <https://barretthonors.asu.edu/admissions/freshman>

[11] <https://barretthonors.asu.edu/admissions/current-asu>

[12] <https://barretthonors.asu.edu/admissions/transfer>

[13] <https://barretthonors.asu.edu/admissions/national-scholar>

[14] <https://barretthonors.asu.edu/admissions/international>

## **Nondegree student admission**

Some individuals may be interested in studying in a nondegree status, either through pre-college summer programs or for their own personal learning experience. A nondegree student is one who has not attended ASU as a degree-seeking student, has not earned a bachelor's degree, is not attending full time, and is not, at this time, applying to a degree program.

Once admitted to a degree program, a student is not permitted to register in a nondegree status.

Nondegree students may enroll in eight credit hours each fall or spring semester, seven credit hours for each six-week summer session, and nine credit hours for the eight-week summer session.

Nondegree students may apply up to 15 hours taken in nondegree status to a degree program if they choose to pursue an undergraduate degree in the future.

Nondegree students are not eligible for financial aid.

Nondegree students may not be eligible for academic advising.

### **Nondegree admission requirements**

To be admitted to ASU as a nondegree student, you must be a high school graduate. If you're currently enrolled in high school or under the age of 18, you may be admitted as a nondegree student by submitting an official high school transcript and a letter of approval from a high school counselor or principal. You must have a 3.00 cumulative GPA in Arizona Board of Regents competency courses to be considered for admission.

Apply now [1]

### **Application procedures**

Step 1 Complete an undergraduate admission application.

Apply now [2]

Step 2 Submit the non-refundable application fee.

- AZ residents - \$50
- Nonresidents and online - \$70

Step 3 If needed, have your transcripts sent directly to ASU.

ASU will review your application for admission once all materials are on file. To see if your file is complete, sign in to My ASU using your ASURITE UserID provided to you after you submit your application.

### **Mailing address (all materials, all campuses)**

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe AZ 85287-1004

Undergraduate admission contact information and office locations [3]

### **Frequently asked questions about nondegree admission**

CAN I APPLY TO ASU AS A NONDEGREE-SEEKING STUDENT?

Yes, ASU accepts nondegree-seeking students. To be admitted as a nondegree-seeking student you must meet certain requirements and follow certain guidelines. See if you qualify for nondegree admission.



## CAN I GET FINANCIAL AID AS A NONDEGREE-SEEKING STUDENT?

Nondegree-seeking students are not eligible for financial aid.

## WILL I NEED TRANSCRIPTS TO APPLY AS A NONDEGREE-SEEKING STUDENT?

If you are currently enrolled in high school and under 18 years old, you are required to submit official high school transcripts and a letter of approval from a high school counselor or principal. If you are a high school graduate, you may be admitted as a nondegree-seeking student without submitting transcripts.

[View more FAQs \[4\]](#)

**Source URL:** <https://admission.asu.edu/undergrad/nondegree>

### Links:

[1] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

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

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

[4] <https://admission.asu.edu/contact/faqs>

## *Undergraduate readmission*

### Quick re-entry

If you are an undergraduate degree-seeking student who previously attended ASU but who has not been enrolled at ASU for one or two consecutive fall or spring semesters, you are eligible to return through Quick Re-entry. You do not need to submit a new application or application fee. You may sign in to My ASU and register for classes. Note that you may have a hold or Priority Tasks that you need to complete before you are able to register for classes. International students are still responsible for all SEVIS requirements and should check with the International Students and Scholars Office at ASU.

Note: You must submit official transcript(s) from all institutions you attended during your absence from ASU. Official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institutions. Please check our contact page for the mailing address [1]. ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax.

### Readmission requirements

If you are not eligible for Quick Re-entry (because you have not been enrolled at ASU for three or more semesters, have not completed your academic program or were academically disqualified), you must apply for readmission and submit applicable fees. An applicant for readmission must have an ASU GPA of 2.00 or higher, depending on the ASU school or college. Students who do not meet this GPA requirement may appeal. In these cases, the completed application for readmission may be subject to a due date that is earlier than the application deadline.

Note: You must submit official transcripts from all institutions you attended during your absence from ASU. Official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institutions. ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. Please go to our contact page for the mailing address [1].

### Priority readmission application deadlines

#### Fall semester

The priority readmission application deadline for fall semester is June 1. Readmission applications received after June 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

## Spring semester

The priority readmission application deadline for spring semester is Dec. 1. Readmission applications received after Dec. 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

## Summer sessions

The priority readmission application deadline is May 1.

### WHAT NEEDS TO BE SUBMITTED BY THE DEADLINE?

You must submit the application for undergraduate admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.

### I WAS PREVIOUSLY ADMITTED TO ASU, BUT DID NOT ATTEND. AM I A READMISSION STUDENT?

If you have previously been admitted to ASU but did not attend, you will be considered a freshman student or a transfer student.

## Steps to apply for readmission

Step 01 Complete the undergraduate admission application

ASU prefers that you apply online.

Apply now [2]

Step 02 Submit the nonrefundable application fee

**Arizona residents:** \$50

**Nonresidents:** \$70

**International:** \$85

If you're applying to an ASU Online degree program, a nonrefundable application fee of \$70 will be charged regardless of residency classification.

Step 03 Request that an official transcript be sent directly from your school(s) to Admission Services

Upon completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status. If you do not meet readmission requirements for your selected major, you must submit complete transcripts before an admission decision is made. You need only submit transcripts from institutions other than ASU.

Note: Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes.

Step 04 All applicants on F-1 or J-1 visas must provide a financial guarantee to show evidence of sufficient funds available for their studies before the application can be processed.

In addition, U.S. Citizenship and Immigration Services (USCIS) requires ASU to obtain additional information prior to processing your visa application. Go to My ASU [3] and then update address information showing your local and SEVIS addresses (list your current U.S. address as Local Address; add your home country address as SEVIS Address). Please note that if you are readmitted, you must still meet all deadlines associated with the issuance of an I-20 to attend ASU. These deadlines are dependent upon your current location. Contact International Admission Services at [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [4] or 480-965-2437.

Note: Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes.

### **Admission before receipt of final transcript**

Applicants enrolled in other colleges and universities may be considered for readmission on the basis of meeting all readmission requirements, except for a final transcript of work in progress. This final transcript must be sent to Admission Services directly from the issuing institution immediately after the work in progress has been completed. Transcripts carried by hand are not accepted.

Admission is official only after the final transcript has been received showing that the applicant has met the university readmission requirements. In the event the applicant does not qualify or has falsified application documents, readmission and registration are canceled, and any registration fees paid are returned according to university refund policies.

### **Veterans exception**

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception applies only to veterans who fulfill these three criteria:

- are honorably discharged
- have served in the armed forces of the United States for a minimum of two years
- have previously enrolled at a university or community college in Arizona

Military service records must be submitted, including form DD 214.

### **Academic renewal**

Academic renewal is a university policy administered to recalculate the cumulative ASU GPA of an undergraduate student who fulfill these three criteria.

- is pursuing their first undergraduate degree and has not previously received an academic renewal
- has a cumulative ASU GPA below 2.00 (individual colleges may elect to consider applications for students whose GPA is a 2.00 or higher)
- is readmitted to a degree program after an absence of at least five continuous calendar years (including summer sessions)

Courses (including transfer credits) completed before the five-year absence with a grade of "C" (2.00) or higher are treated in the same manner as if all the credits were transfer credits, up to a maximum of 60 credit hours.

The cumulative GPA is based only on credits earned subsequent to the student's re-entry. Graduation requirements for resident credit hours and GPA must be fulfilled after the academic renewal. Graduation requirements for academic recognition (resident credit hours and GPA) must also be fulfilled after the academic renewal.

Courses completed before and after the academic renewal remain on the transcript and may be considered when students apply for undergraduate professional or graduate programs.

A request for academic renewal follows this procedure:

4. Students interested in academic renewal must fill out the Application for Academic Renewal and submit the form to the Dean's Office in the college of their major.
5. The Application for Academic Renewal may be submitted immediately upon readmission but must be submitted no later than the start of the third semester after readmission.
6. The Dean's Office specifies in advance a minimum of 12 semester hours required for completion.
7. When the approved credits are completed with a cumulative GPA of 2.50 or higher, and no grade lower than "C" (2.00) in each course, the Dean's Office will forward the Application for Academic Renewal to the University Registrar's Office for processing.

Only readmission students working toward their first undergraduate degree are eligible to apply for academic renewal, which may be implemented only once during a student's academic career.

Academic renewal is transferable among colleges.

All students with a cumulative ASU GPA below 2.00 and who have been absent from ASU for five consecutive calendar years or more are eligible to petition for academic renewal. Individual colleges may elect to entertain petitions for academic renewal from students with ASU GPAs above 2.00. College standards committees have final authorization on academic renewal petitions.

### **Undergraduate readmission contact information and office locations**

**Phone:** 480-965-7788

**Fax:** 480-965-3610

**Location:** Student Services Building [5], room 112, Tempe campus.

### **Frequently asked questions about readmission**

#### **AM I ELIGIBLE FOR QUICK RE-ENTRY?**

If you're an undergraduate degree-seeking student who has attended ASU before but have not been enrolled for one or two consecutive fall or spring semesters, you are eligible for quick re-entry. If you haven't been enrolled at ASU for three or more semesters, you are not eligible for quick re-entry and must apply for readmission.

#### **HOW DO I KNOW IF I HAVE TO REAPPLY FOR ADMISSION?**

If you have not been enrolled at ASU for three or more semesters, you have to apply for readmission and submit all applicable fees. If you have not been enrolled at ASU for one or two fall or spring semesters, you are eligible to return through quick re-entry.

#### **ARE READMISSION REQUIREMENTS DIFFERENT THAN WHEN I WAS FIRST ADMITTED?**

They may be, depending on when you were first admitted. ASU admission requirements change from time to time, so the admission standards you met previously may be different than they are currently.

[View more FAQs \[6\]](#)

**Source URL:** <https://admission.asu.edu/undergrad/readmission>

#### **Links:**

[1] <https://admission.asu.edu/contact>

[2] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

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

[4] <mailto:asuinternational@asu.edu>

[5] <https://www.asu.edu/map/interactive/?id=120&mrklid=63156>

[6] <https://admission.asu.edu/contact/faqs>

## Western Undergraduate Exchange

Reduced tuition at ASU — it's the neighborly thing to do

The Western Undergraduate Exchange is a program coordinated by the Western Interstate Commission for Higher Education. Residents of western states (other than Arizona) may enroll in the ASU WUE program at a tuition rate of 150 percent of Arizona base resident tuition plus all applicable fees for fall and spring terms only. WUE programs are limited to select majors at ASU's Downtown Phoenix, Polytechnic and West campuses.

Explore WUE majors [1]

**Nonresident tuition:** \$28,800

**Nonresident WUE tuition:** \$16,064

### Enrollment information

#### General eligibility requirements

- Students must be a permanent resident of Alaska, California, Colorado, Guam, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming or the Commonwealth of the Northern Mariana Islands.
- Students must apply to one of the ASU WUE-eligible majors or programs [1].
- To maintain WUE eligibility, you must follow certain requirements including remaining enrolled in your WUE-eligible major and campus. See all the requirements for maintaining WUE eligibility [2].
- Any currently enrolled ASU student who does not meet initial eligibility requirements as a first-year student or a transfer student can be re-evaluated after completing 12 credit hours at ASU with a minimum 2.50 ASU cumulative GPA. Students can email WUE@asu.edu [3] or call 602-543-8180 to be reviewed once final grades have been posted.

#### First-year student requirements

- First-year students must have a high school GPA of 3.00 or higher in competency courses [4] (this is known as the ABOR GPA), or have an SAT of 1180 or ACT of 24 (not including the writing portion of these exams) or higher.
- First-year students are expected to live in an ASU residence hall during their first year. Please see [asu.edu/housing](http://asu.edu/housing) [5] for more information.
- WUE first-year students may be eligible for an ASU nonresident merit-based WUE scholarship [6]. ASU will notify qualified admitted first-year students in writing of this award.

#### Transfer student requirements

- Transfer students must have an overall GPA of 2.50 or higher on a 4.00 scale in all transferable coursework.
- Transfer students must have less than 120 transferable semester credits.
- Community college transfer students must have a minimum of an associate degree or 60 transferable semester credits (90 quarter credits are needed for students transferring from a community college on the quarter system).
- BAS degree programs are only open to students who have an AAS or equivalent degree
- All final transcripts must be filed two weeks prior to the start of your first semester at ASU in order to be evaluated for WUE.
- No individual review is conducted for transfer students.

#### Individual review

Students who don't meet the above standards will be considered for the WUE program through individual review. Through this process, Admission Services will review all available information about a student's application, carefully considering all aspects of a student's academic background and accomplishments. Submission of an ACT or SAT score is highly recommended. In some cases, additional information might be requested.

## Application procedures

No separate application is required. All applicants meeting eligibility requirements will automatically receive the WUE rate.

Applicants must:

- Submit an application for admission [7] including all required supporting documents to Admission Services by the preferential application date (First-year student [8], Transfer [9]). After the published dates, some ASU colleges and schools may limit admission to their program. ASU encourages you to submit your application and all supporting materials well before these dates.
- Indicate an intended major or program that is one of the ASU WUE-eligible programs [1] on the application.
- Meet all other applicable ASU admission requirements.

ASU will notify you in writing if you are eligible for and placed into WUE. This process occurs after your admission to ASU.

## Financial aid

Once placed into WUE, the student's financial aid budget will be adjusted to reflect the cost of attendance calculated with the WUE tuition rate. WUE students are not eligible for ASU nonresident merit-based scholarships or grants. (The only exception is the WUE merit scholarship for first-year students.)

## More information about WUE

If you have questions about WUE, please contact your ASU admission representative or visit the Western Undergraduate Exchange website [10].

Contact my rep [11]

Current students with questions on maintaining eligibility should contact the University Registrar Services at 602-543-8180 or [WUE@asu.edu](mailto:WUE@asu.edu) [3].

## Frequently asked questions about WUE

WHAT IS WUE?

WUE, or the Western Undergraduate Exchange program, is a program in which residents of western states (other than Arizona) can enroll in specific ASU degree programs at a rate of 150 percent of resident base tuition. There are more than 100 ASU WUE degrees you can choose from on ASU's Downtown Phoenix, Polytechnic and West campuses.

WHAT STATES ARE CONSIDERED WUE ELIGIBLE?

Students from the following states are eligible to participate in the Western Undergraduate Exchange program at ASU: Alaska, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington and Wyoming.

ONCE I'M CONSIDERED ELIGIBLE FOR WUE, DO I STAY ELIGIBLE?

To stay eligible for WUE, you must follow certain guidelines including remaining a resident of your home state, remaining in your WUE-eligible major or switching to another WUE-eligible major, maintaining a cumulative GPA of at least 2.50, maintaining continuous enrollment in the fall and spring semesters, earning at least 24 credits per year, and completing your program within eight semesters. See all the requirements for maintaining WUE eligibility [2].

View more FAQs [12]

**Source URL:** <https://admission.asu.edu/wue>

### Links:

[1] <https://webapp4.asu.edu/programs/t5/programs/Keyword/wue/undergrad/false>

[2] <https://admission.asu.edu/wue/wue-maintaining-eligibility>

[3] <mailto:WUE@asu.edu>

[4] <https://admission.asu.edu/freshman/competency-requirements>

[5] <https://housing.asu.edu>

- [6] <https://scholarships.asu.edu/scholarship/1733>
- [7] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)
- [8] <https://admission.asu.edu/freshman/apply>
- [9] <https://admission.asu.edu/transfer/apply>
- [10] <https://www.wiche.edu/wue>
- [11] <https://admission.asu.edu/findmyrep>
- [12] <https://admission.asu.edu/contact/faqs#freshman>

## Contact ASU Admission Services

### We're here to help

We aim to deliver services and resources to assist you with your admission and transition to ASU. Services like student and scholar recruitment, application processing, new student orientation, high school relations, community college relations and international student relations. Attending ASU means you'll be able to choose from 17 colleges and schools that together offer hundreds of degree options taught by the best and brightest faculty. Find your representative and begin to explore and discover your future academic home.

First-year student representative [1] Transfer representative [2] International representative [3] Graduate representative [4]

### Admission Services mailing address

Have your test scores (e.g., ACT, SAT, TOEFL) and official high school or college transcripts sent from the issuing institution to the address below. Any written inquiries should be sent to this address as well.

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe AZ 85287-1004

### If sending by FedEx, DHL or UPS (Recommended method for international students):

Arizona State University  
Admission Services Applicant Processing  
1150 East University Drive Building C, Room 226  
Tempe, AZ 85281

### Undergraduate applicants in China

If you are currently in China and applying for undergraduate admission, please note that you can send your official transcripts directly to us in Beijing at the following address:

ASU Enrollment Advisor  
Jianwai SOHO, Building 17, Suite 705  
39 East 3rd Ring Middle Road, Chaoyang  
Beijing, China 100022. (北京市朝阳区建外soho西区 17号楼, 705室 ; 邮编100022)  
T: +86 15311265171

### Undergraduate applicants in India

If you are currently in India and applying for undergraduate admission, you can send your official transcripts directly to our enrollment advisor in Mumbai at the following address.

Mumbai Bandra Kurla Complex - Kalina  
Level 2 Raheja Centre Point 294 CST Road Near Mumbai University, Off Bandra-Kurla Complex, Mumbai, 400 098  
T: +91 9999 4210 89  
ATTN: Poonam Venkatesh

**Contact ASU Admission Services in person, by email or by phone**

**Undergraduate admission (freshman and transfer students)**

Downtown Phoenix campus

University Center Building, Suite 130 [4]

Monday — Friday 8 a.m. – 5 p.m.

**Phone number:** 480-965-7788

**Fax:** 480-965-3610

**Email:** Freshman [6] | Transfer [2]

**Street address:** 411 N. Central Ave. Phoenix, AZ 85004

Polytechnic campus

Administration Building [7]

Monday — Friday 8 a.m. – 5 p.m.

**Phone number:** 480-965-7788

**Fax:** 480-965-3610

**Email:** Freshman [6] | Transfer [2]

**Street address:** 5990 S Sterling Mall Mesa, Arizona 85212

ASU@Lake Havasu

Santiago Hall [8]

Monday — Friday 8 a.m. – 5 p.m.

**Phone number:** 928-854-9745

**Email:** Freshman [6] | Transfer [2]

**Street address:** 100 University Way, Lake Havasu City, AZ 86403

Tempe campus

Student Services Building, room 110 [9]

Monday: 8 a.m. – 4 p.m.

Tuesday — Friday: 8 a.m. — 5 p.m.

**Phone number:** 480-965-7788

**Fax:** 480-965-3610

**Email:** Freshman [6] | Transfer [2]

**Street address:** 1151 S. Forest Ave. Tempe, AZ 85281

West campus

University Center, Room 120 [10]

Monday — Friday 8 a.m. – 5 p.m.

**Phone number:** 480-965-7788

**Fax:** 480-965-3610

**Email:** Freshman [6] | Transfer [2]

**Street address:** 13590 N. 47th Ave. Phoenix, AZ 85306

**Graduate admission**

Graduate Admission Services

Student Services Building (SSV), Room 140 [11]

Monday 8 a.m. – 4 p.m.

Tuesday — Friday 8 a.m. – 5 p.m.

**Phone number:** 480-965-6113

**Fax:** 480-965-5158

**Email:** gograd@asu.edu [12]

**Street address:** 1151 S. Forest Ave. Tempe, AZ 85281



## International Admission

International Admission Services

**Phone number:** 480-965-2437

**Fax:** 480-727-6453

**Email:** [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [13]

[Apply](#) [14]

[Visit](#) [15]

[Request info](#) [16]

**Source URL:** <https://admission.asu.edu/contact>

### Links:

[1] <https://admission.asu.edu/contact/freshman>

[2] <https://admission.asu.edu/contact/transfer>

[3] <https://admission.asu.edu/contact/international>

[4] <https://admission.asu.edu/contact/graduate>

[5] <https://www.asu.edu/map/interactive/?campus=downtown&building=UCENT>

[6] <https://admission.asu.edu/findmyrep>

[7] <https://www.asu.edu/map/interactive/?id=120&mrklid=62667>

[8] <https://www.asu.edu/map/interactive/?id=120&mrklid=62663>

[9] <https://www.asu.edu/map/interactive/?campus=tempe&building=SSV>

[10] <https://www.asu.edu/map/interactive/?campus=west&building=UCB>

[11] <https://www.asu.edu/map/interactive/?id=120&mrklid=63156>

[12] <mailto:gograd@asu.edu>

[13] <mailto:asuinternational@asu.edu>

[14] <https://admission.asu.edu/apply>

[15] <https://visit.asu.edu>

[16] <https://admission.asu.edu/what-type-student-are-you>

## Arizona General Education Curriculum (AGEC)

The Arizona public community colleges and universities have agreed upon a common structure for a general education core. This curriculum provides students attending any Arizona public community college with the opportunity to build a general education program that is transferable to any other state institution without loss of credit. This common agreement is called the Arizona General Education Curriculum (AGEC).

The AGEC is composed of 35 to 37 credit hours of lower-division general education coursework in which a student may prepare for transfer.

The AGEC has three forms: AGEC-A, AGEC-B and AGEC-S. A detailed description of each AGEC is available at <https://aztransfer.com/generaleducation/> [1].

Community colleges are responsible for certifying the date of completion of the AGEC on the official institutional transcripts.

Completion of the appropriate AGEC will fulfill university lower-division general education requirements of the baccalaureate degree with which the AGEC articulates. Students completing the AGEC will still be required to fulfill lower-division program requirements and prerequisites within their college and major and minor areas of study. To complete a degree program most efficiently, students should select courses that concurrently satisfy AGEC and major requirements.

Completion of any AGEC from an Arizona community college guarantees admission to the university provided that a 2.50 cumulative GPA or higher has been achieved. AGEC completion, however, does not guarantee admission to any specific university program. Many majors (e.g., architecture, engineering, business, the fine and creative arts, or health professions) have significant prerequisites or program requirements that must be completed before a student may be admitted to upper-division coursework. Community college students who are undecided about which of the universities they plan to attend or what program of study they intend to pursue are advised to explore educational options while they complete the AGEC. In all cases, students have the responsibility for selecting general education coursework that is relevant to the requirements of their intended major and degree.

Students who complete both the AGEC and an approved associate degree will be assigned junior class standing by the state universities. Junior class standing is based on the number of credit hours a student has earned and does not necessarily indicate the remaining number of credit hours needed to complete degree requirements. Course prerequisites, major requirements and upper-division requirements continue to be specified by each university. Appropriate sequencing of courses and timely completion of course prerequisites are essential to ensure efficient progress toward a baccalaureate degree. Students who have identified the university they plan to attend or a major area of study are advised to fulfill requirements and prerequisites identified by these programs through ASU's transfer pathways [2]. The AGEC does not replace articulation agreements developed to enhance the transfer process between specific institutions, nor does the AGEC eliminate the possibility that students who have identified the university they plan to attend and a major area of study will follow transfer guides provided by the state universities.

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

### Links:

[1] <https://aztransfer.com/generaleducation/>

[2] <https://admission.asu.edu/transfer/pathway-programs>

## Course load and concurrent enrollment

### Course

A minimum full-time course load for an undergraduate student is 12 credit hours.

The maximum course load for which a student may register is 18 credit hours (it is 19 credit hours for students enrolled in the Ira A. Fulton Schools of Engineering), with a maximum of nine credit hours in each A or B session. A student wishing to register for more than the maximum must petition the standards committee of the college in which the student is enrolled, and must obtain an approved overload before registration.

### Summer session credit hour load

The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed 14 credit hours for any combination of sessions.

### Graduate credits earned by undergraduate students

ASU undergraduate students who have achieved senior status (cannot be postbaccalaureate) with a cumulative GPA of 3.00 or higher may count up to 12 credit hours of graduate-level coursework toward their graduate degree at ASU (preadmission credit hours). Only graduate courses with a grade of "B" (3.00) or higher may be included on a graduate plan of study. Preadmission graduate courses cannot be used to meet any baccalaureate graduation requirements. Before registering for these courses, students are advised to check with their academic advisor to ensure the correct internal academic unit or college process is followed. Permission to take a preadmission graduate course does not guarantee admission to a graduate degree program or that the course may be used toward graduate degree requirements.

### Use of graduate course credit by undergraduates

Graduate course credit earned by an undergraduate student that is used to fulfill requirements for an undergraduate degree program cannot also be used in a graduate degree program unless the student is enrolled in an approved accelerated program. Students must contact their advisor before enrolling in a graduate course they wish to use toward a future graduate program at ASU.

### Concurrent enrollment

Provided that the other institution's regulations concerning enrollment, graduation requirements and transfer of credits are not violated, a student may enroll in classes at other institutions or in independent learning courses while enrolled at ASU. However, the student is urged to seek advising before concurrent enrollment to assure orderly progress toward a degree. If total credits exceed the maximum course load, prior permission must be granted by the college standards committee.

### Enrollment verification guidelines

The registrar is responsible for verifying enrollment, according to general guidelines; students should see enrollment verification.

**Source URL:** [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load)

**Links:**

[1] <https://students.asu.edu/enrollment-verification>

## Credit by examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Some exams may be taken prior to admission to ASU. Information is provided below for each type of exam, the courses that are equivalent and other conditions that may apply to credit being awarded.

- A student may earn no more than 60 hours of credit by examination for any or all programs, including ASU comprehensive and proficiency exams.
- Credit will not be awarded for any course in which the student has been given credit from any educational institution.
- Credit will not be granted for a course taken at an educational institution after credit by examination has been awarded.  
Exception: Students who take the advanced placement exams may choose either to have the credit earned by advanced placement kept in their cumulative university hours or to complete the ASU course and have the credit and grade instead, regardless in which order the test or course is taken. Students should see the advanced placement section, below, for additional details on the exam and its equivalent scores.
- Credit may not be received for a lower-level or prerequisite course when credit has already been received in a higher-level course within the same field.
- Only credit earned by comprehensive examination will count toward the resident credit requirement for graduation.
- Credit by exam is awarded based on the date the exam was taken. Students who take the exam during the current catalog year (August 2019–July 2020) will earn credit based on the credit equivalency found in the current catalog. **If the test was taken in a prior academic year, the student should refer to the catalog of that year or search the Transfer Guide [2] for more information.**

### Types of examinations

College-level Examination Program (CLEP) [3] can be taken before or during enrollment at ASU.

Advanced Placement (AP) [4] is taken during secondary school or before enrollment at ASU.

DANTES or DSST (Defense Activity for Nontraditional Education Support Subject Standardized Test) [5] is taken by military or approved government personnel before or during enrollment at ASU.

International Baccalaureate (IB) diploma/certificate [6] is earned by students of an International Baccalaureate®-approved school before enrollment at ASU.

Cambridge International Exam [7] is taken by students who have completed a Cambridge course in their secondary school.

Comprehensive examinations [8] can be taken by current ASU students.

Proficiency examinations [9] can be taken by current ASU students.

For information about placement testing for mathematics and English classes prior to orientation, students should refer to the placement and testing requirements [10] in the ASU Catalog.

### College-Level Examination Program (CLEP)

Students who have taken a College-Level Examination of the College Entrance Examination Board may receive university credit. The table of CLEP credit applies to all students enrolled in the university for the first time in August 1975 and any student enrolling thereafter. CLEP examination credit is not given where it duplicates credit previously earned by the student at the university or accepted by the university for work done elsewhere. All examinations are given monthly by University Testing and Scanning Services [11].

The General Studies requirements in natural science (SQ and SG) and literacy and critical inquiry (L) are not satisfied by CLEP. There is no limit to the number of CLEP credits that can be used to fulfill the other parts of the General Studies requirement. A student who has received ASU credit for a course due to special programs credit may not duplicate the credit by enrolling in the same class for credit at ASU or transferring it to another institution.

## Subject examinations

To obtain credit or placement for all subject exams except English, History, French, German, and Spanish, a student must receive a score of 50 (computer-based testing [CBT] scale) or higher. To obtain credit for College Composition, a student must receive a standard score of 610 (1978 scale), 500 (1986 scale), or 50 (CBT scale). Test scores for French, German, History and Spanish are shown below in the CLEP credit table.

All equivalency is subject to future review and possible catalog change. Students should refer to the Transfer Credit Guide for equivalencies of exams taken outside of the current catalog year. For more information on CLEP testing, students should contact University Testing and Scanning Services [11] at 480-965-7146 or visit the office at 1130 E. University Dr., Suite 204, Tempe, Ariz.

\*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. **Students should see their advisor to determine how these courses may apply to their major.**

Examination	Credit Hours	Equivalency
American Government	3	POS 110
American Literature	3	ENG DEC* (Students must score 55 or higher.)
Analyzing and Interpreting Literature	3	ENG DEC*
Biology	3	BIO DEC*
Calculus	3	MAT 265
	4	MAT 270
Chemistry	4	CHM 113
College Algebra	3	MAT 117
College Composition	3	Placement into ENG 105 and Elective credit (3) Transfer students who have credit for ENG 102 and who completed the exam (with a score of 50 or higher) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam.
College Composition - Modular	0	No credit
College Mathematics	0	No credit
English Literature	3	ENG DEC* (Students must score 55 or higher.)
Financial Accounting	3	Elective credit
French Language	4	FRE 101 (Students must score 50–54.)
	8	FRE 101, 102 (Students must score 55–61.)
	12	FRE 101, 102, 201 (Students must score 62–65.)
	16	FRE 101, 102, 201, 202 (Students must score 66 or higher.)

German Language	4	GER 101 (Students must score 39–45.)
	8	GER 101, 102 (Students must score 46–50.)
	12	GER 101, 102, 201 (Students must score 51–59.)
	16	GER 101, 102, 201, 202 (Students must score 60 or higher.)
History of the United States I — Early Colonization to 1877	3	HST 109 (Students must score 56 or higher.)
History of the United States II — 1865 to the Present	3	HST 110 (Students must score 56 or higher.)
Human Growth and Development	3	CDE 232
Humanities	3	Elective credit
Information Systems and Computer Applications	3	CIS DEC*
Introduction to Educational Psychology	0	No credit
Introductory Business Law	3	LAW 210
Introductory Psychology	3	PGS 101 or PSY 101
Introductory Sociology	3	SOC 101
Natural Sciences	6	Elective credit (Students must score 56 or higher.)
	3	Elective credit (Students must score 53-55.)
Precalculus (replaces College Algebra/Trigonometry)	3	MAT 170
Principles of Macroeconomics	3	ECN 211
Principles of Management	0	No credit
Principles of Marketing	0	No credit
Principles of Microeconomics	3	ECN 212
Social Sciences and History	6	Elective credit (Students must score 56 or higher.)
Spanish Language	4	SPA 101 (Students must score 50–54.)
	8	SPA 101, 102 (Students must score 55–65.)
	12	SPA 101, 102, 201 (Students must score 66–67.)
	16	SPA 101, 102, 201, 202 (Students must score 68 or higher.)
Western Civilization I — Ancient Near East to 1648	3	HST 102 (Students must score 56 or higher.)

Western Civilization II — 1648 to the Present	3	HST 104 (Students must score 56 or higher.)
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### Advanced Placement

Students who have taken an advanced placement course of the College Entrance Examination Board in their secondary school and who have taken an AP examination of the CEEB may receive university credit. No credit is given for any examination with a score of two or one. There is no limit to the number of AP credits that can be used to meet the General Studies requirement, including the requirements in natural sciences (SQ and SG) and literacy and critical inquiry (L).

When the scores are received by the university directly from the CEEB, credit is awarded as shown in the Advanced Placement Credit table below.

Examination	Score	Credit Hours	Equivalency
Art History	5 or 4	6	ARS 101, 102
	3	3	ARS 101
Biology	5 or 4	8	BIO 181, 182
	3	4	BIO 100
Calculus AB	5, 4, or 3	4	MAT 270
Calculus BC	5 or 4	8	MAT 270, 271
	3	4	MAT 270
Capstone Research	5, 4 or 3	3	Elective
Capstone Seminar	5, 4 or 3	3	Elective
Chemistry	5	8	CHM 113, 116
	4	4	CHM 113
Chinese Language and Culture	5	20	CHI 101, 102, 201, 202
	4	15	CHI 101, 102, 201
	3	10	CHI 101, 102
Comparative Government and Politics	5 or 4	3	POS 150
Computer Science A	5 or 4	3	ACO 101, CSE 110 or SER 100
Computer Science Principles	5, 4 or 3	3	IFT 101

English Language & Composition	5 or 4	3	Placement into ENG 105 and Elective credit (3) Transfer students who have credit for ENG 102 and who completed the exam (with a score of 4 or 5) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam.
English Literature & Composition	5 or 4	3	Placement into ENG 105 and Elective credit (3) Transfer students who have credit for ENG 102 and who completed the exam (with a score of 4 or 5) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam.
Environmental Science	5 or 4	3	SOS 110
European History	5 or 4	6	HST 103 and 104
French Language and Culture	5	14	FRE 201, 202, 311, 312
	4	11	FRE 201, 202, 311
	3	8	FRE 201, 202
German Language and Culture	5	14	GER 201, 202, 311, 312
	4	11	GER 201, 202, 311
	3	8	GER 201, 202
Human Geography	5 or 4	3	GCU 102
Italian Language and Culture	5	16	ITA 101, 102, 201, 202
	4	12	ITA 101, 102, 201
	3	8	ITA 101, 102
Japanese Language and Culture	5	20	JPN 101, 102, 201, 202
	4	15	JPN 101, 102, 201
	3	10	JPN 101, 102
Latin	5	16	LAT 101, 102, 201, 202
	4	12	LAT 101, 102, 201
	3	8	LAT 101, 102
Macroeconomics	5 or 4	3	ECN 211
Microeconomics	5 or 4	3	ECN 212
Music Theory	5 or 4	3	MTC 125
Physics – AP 1 Mechanics	5 or 4	4	PHY 111, 113
Physics – AP 2 Electricity and Magnetism	5 or 4	4	PHY 112, 114



Physics — AP Mechanics C	5, 4 or 3	4	PHY 111, 113
Physics — AP Electricity and Magnetism C	5, 4 or 3	4	PHY 112, 114
Psychology	5 or 4	3	PGS 101 or PSY 101
Spanish — Language and Culture	5	14	SPA 201, 202, 294 and 313
	4	11	SPA 201, 202 and 294
	3	8	SPA 201, 202
Spanish — Literature and Culture	5	15	SPA 111, 201, 202, 325
	4	12	SPA 111, 201, 202
	3	8	SPA 201, 202
Statistics	5, 4, or 3	3	STP 226
Studio Art: Drawing	5 or 4	3	ART 111
Studio Art: 2-D Design	5 or 4	3	ART 112
Studio Art: 3-D Design	5 or 4	3	ART 115
U.S. Government and Politics	5 or 4	3	POS 110
U.S. History	5 or 4	6	HST 109 and 110
World History	5 or 4	6	HST 100 and 101

## DANTES/DSST

Students who have taken a DSST (DANTES [Defense Activity for Nontraditional Education Support] Subject Standardized Test) may receive university credit. Credit is awarded for score results at or above the American Council on Education's recommended score if the subject examination is applicable to a program of study at ASU, or credit may be assigned as elective. To receive credit, a transcript showing the DSST results must be received by ASU directly from the Educational Testing Service.

\*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. **Students should see their advisor to determine how these courses may apply to their major.**

Students should refer to the Transfer Credit Guide for equivalencies of exams taken outside of the current catalog year. To register for the exam or for more information about exam fees, students should contact University Testing and Scanning Services [12] at 480-965-7146 or visit the office at 1130 E. University Dr., Suite 204, Tempe, Ariz.

<b>DSST Exam</b>	<b>ASU Credit</b>	<b>Score</b>	<b>Credit Hours</b>
A History of the Vietnam War	Elective credit	400	3
An Introduction to the Modern Middle East	Elective credit	400	3
Art of the Western World	ARS 101 or 102	400	3
Astronomy	No credit		
Business Ethics and Society	Elective credit	400	3
Business Mathematics	No credit		
Computing and Information Technology	No credit		
Criminal Justice	CRJ 100	400	3
Environmental Science	Elective credit	400	3
Ethics in America	No credit		
Foundations of Education	TEL DEC*	400	3
Fundamentals of College Algebra	No credit		
Fundamentals of Counseling	Elective credit	400	3
Fundamentals of Cybersecurity	Elective credit	400	3
General Anthropology	No credit		
Here's to Your Health	No credit		
History of the Soviet Union	HST DEC*	400	3
Human Resource Management	No credit		
Human/Cultural Geography	GCU 102	400	3
Introduction to Business	Elective credit	400	3
Introduction to Computing	Elective credit	400	3
Introduction to Geology	GLG 101	400	3
Introduction to Law Enforcement	CRJ 230	400	3
Introduction to World Religions	No credit		
Lifespan Developmental Psychology	Elective credit	400	3
Management Information Systems	Elective credit	400	3
Math for Liberal Arts	MAT 142	400	3

Money and Banking	No credit		
Organizational Behavior	Elective credit	400	3
Personal Finance	Elective credit	400	3
Physical Geology	No Credit		
Principles of Advanced English Composition	ENG DEC*	400	3
Principles of Finance	Elective credit	400	3
Principles of Physical Science I	Elective credit	400	3
Principles of Public Speaking	Elective credit	400	3
Principles of Statistics	STP 226	400	3
Principles of Supervision	Elective credit	400	3
Substance Abuse (formerly Drug and Alcohol Abuse)	No credit		
Technical Writing	ENG DEC*	400	3
The Civil War and Reconstruction	HST DEC*	400	3

### *International Baccalaureate (IB) diploma/certificate*

Students who present an International Baccalaureate diploma/certificate may qualify for university credit, depending on the level of the examination and the grade received. Arizona State University grants credit for higher-level courses and some standard-level courses. A high-level grade of five qualifies the student to receive credit for up to two introductory courses while a grade of four qualifies a student to receive credit for one introductory course. No credit is awarded for English as a second language (English B). Credit is awarded according to the International Baccalaureate diploma/certificate credit table below.

\*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. **Students should see their advisor to determine how these courses may apply to their major.**

Examination**	Score	Credit Hours	Equivalency
Art/Design High-Level	any	0	No credit
Biology Standard-Level	7, 6 or 5	4	BIO 100
	4	3	BIO DEC*
Biology High-Level	7, 6 or 5	8	BIO 181, 182

	4	4	BIO 100
Business and Management Standard-Level	7, 6 or 5	3	Elective
Business and Management High-Level	7, 6 or 5	3	Elective
	4	0	No credit
Chemistry Standard-Level	any	0	No credit
Chemistry High-Level	7, 6 or 5	8	CHM 113, 116
	4	4	CHM 113
Chinese B Standard-Level	any	0	No credit
Chinese B High-Level	7	20	CHI 101, 102, 201 and 202
	6	15	CHI 101, 102 and 201
	5	10	CHI 101 and 102
	4	5	CHI 101
Classical Languages (Latin) Standard-Level	any	0	No credit
Classical Languages (Latin) High-Level	7	16	LAT 101, 102, 201 and 202
	6	12	LAT 101, 102 and 201
	5	8	LAT 101 and 102
	4	4	LAT 101
Computer Science Standard-Level	7, 6, 5 or 4	3	Elective
Computer Science High-Level	7, 6 or 5	3	ACO 101, CSE 110 or SER 100
Dance Standard-Level	7, 6, 5 or 4	3	DCE 201
Dance High-Level	7, 6, 5 or 4	3	DCE 201
Design Technology Standard-Level	7, 6, 5 or 4	3	Elective
Design Technology High-Level	7, 6, 5 or 4	3	EGR 101
Economics Standard-Level	any	0	No credit
Economics High-Level	7, 6 or 5	6	ECN 211, 212
English A High-Level	any	0	No credit
English B High-Level	any	0	No credit
Environmental Systems and Societies Standard-Level	7, 6 or 5	3	Elective

Extended Essay	any	0	No credit
Film Standard-Level	any	0	No credit
Film High-Level	7, 6, 5 or 4	3	FMS 110
French B Standard-Level	any	0	No credit
French B High-Level	7	16	FRE 101, 102, 201 and 202
	6	12	FRE 101, 102 and 201
	5	8	FRE 101 and 102
	4	4	FRE 101
Further Mathematics High-Level	7, 6 or 5	4	MAT DEC*
Geography Standard-Level	7, 6, 5 or 4	3	GCU DEC*
Geography High-Level	7, 6 or 5	3	GCU 102
German B Standard-Level	any	0	No credit
German B High-Level	7	16	GER 101, 102, 201 and 202
	6	12	GER 101, 102 and 201
	5	8	GER 101 and 102
	4	4	GER 101
Global Politics Standard-Level	any	0	No credit
Global Politics High-Level	7, 6, 5 or 4	3	POS 160
History Standard-Level	7, 6 or 5	3	HST DEC*
History of Africa and the Middle East High-Level	7, 6 or 5	6	Elective
	4	0	No credit
History of the Americas High-Level	7, 6 or 5	6	HST 109 and 110
	4	3	HST 109
History of Asia and Oceania High-Level	7, 6 or 5	6	HST 107 and 240
	4	3	HST 107
History of Europe High-Level	7, 6 or 5	6	HST 103 and 104
	4	3	HST 103

Information Technology in a Global Society Standard-Level	7, 6, 5 or 4	3	Elective
Information Technology in a Global Society High-Level	7, 6 or 5	3	Elective
Japanese B Standard-Level	any	0	No credit
Japanese B High-Level	7	20	JPN 101, 102, 201 and 202
	6	15	JPN 101, 102 and 201
	5	10	JPN 101 and 102
	4	5	JPN 101
Language A: Language and Literature Standard-Level	any	0	No credit
Language A: Language and Literature High-Level	7, 6 or 5	3	ENG 101 or Elective
Language A: Literature Standard-Level	any	0	No credit
Language A: Literature High-Level	7, 6 or 5	3	ENG 101 or Elective
Literature and Performance Standard-Level	any	0	No credit
Mathematical Studies Standard-Level	any	0	No credit
Mathematics Standard-Level	7, 6 or 5	3	MAT 142
	4	0	No credit
Mathematics High-Level	7, 6 or 5	4	MAT 270
	4	0	No credit
Modern Languages: Chinese B High-Level	7	20	CHI 101, 102, 201 and 202
	6	15	CHI 101, 102 and 201
	5	10	CHI 101 and 102
	4	5	CHI 101
Modern Languages: French B High-Level	7	16	FRE 101, 102, 201 and 202
	6	12	FRE 101, 102 and 201
	5	8	FRE 101 and 102
	4	4	FRE 101
Modern Languages: German B High-Level	7	16	GER 101, 102, 201 and 202
	6	12	GER 101, 102 and 201

	5	8	GER 101 and 102
	4	4	GER 101
Modern Languages: Japanese B High-Level	7	20	JPN 101, 102, 201 and 202
	6	15	JPN 101, 102 and 201
	5	10	JPN 101 and 102
	4	5	JPN 101
Modern Languages: Spanish B High-Level	7	16	SPA 101, 102, 201 and 202
	6	12	SPA 101, 102 and 201
	5	8	SPA 101 and 102
	4	4	SPA 101
Music High-Level	7, 6 or 5	4	MUS DEC*
	4	0	No credit
Philosophy Standard-Level	7, 6, 5 or 4	0	No credit
Philosophy High-Level	5 or 4	0	No credit
Physics Standard-Level	7 or 6	4	PHY 111, 113
	5 or 4	0	No credit
Physics High-Level	7, 6	8	PHY 111, 112, 113, 114
	5	4	PHY 111, 113
Psychology Standard-Level	7, 6, 5 or 4	3	PSY DEC*
Psychology High-Level	7, 6, 5	3	PGS 101 or PSY 101
Social and Cultural Anthropology Standard-Level	7, 6 or 5	3	ASB DEC*
Social and Cultural Anthropology High-Level	7, 6, 5 or 4	3	ASB 102
Spanish B Standard-Level	any	0	No credit
Spanish B High-Level	7	16	SPA 101, 102, 201 and 202
	6	12	SPA 101, 102 and 201
	5	8	SPA 101 and 102
	4	4	SPA 101
Sports, Exercise and Health Science Standard-Level	7, 6 or 5	3	EXW 100

Sports, Exercise and Health Science High-Level	7, 6, 5 or 4	3	KIN 100 or EXW 100
Theory and Knowledge	7, 6, 5 or 4	0	No credit
Theatre Standard-Level	7, 6, 5 or 4	3	THE 100
Theatre High-Level	7, 6, 5 or 4	3	THE 100
Visual Arts Standard-Level	7, 6 or 5	6	ART 111 and ART DEC*
	4	3	ART 111
Visual Arts High-Level	7, 6 or 5	6	ART 111, 112
	4	3	ART 112
World Religions Standard-Level	7, 6 or 5	3	REL DEC*
	4	0	No credit

\*\* No credit is awarded if the language is the student's native language.

### Cambridge International Exam

Students who have completed a Cambridge course in their secondary school and who have taken a Cambridge International AS or A level examination may receive university credit. When the scores are received by the university, credit is awarded as shown in the Cambridge International Exam table below.

\*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. **Students should see their advisor to determine how these courses may apply to their major.**

Examination	Score	ASU Score Translation	Credit Hours	Equivalency
Accounting AS-Level	E or better	1-5	3	Elective credit
Accounting A-Level	E or better	1-5	6	Elective credit
Art and Design AS-Level**	E or better	1-5	3	ART DEC*
Art and Design A-Level**	E or better	1-5	6	ART DEC*
Biology AS-Level	D or better	2-5	4	BIO 100 or BIO DEC*
	E	1	4	BIO 100
Biology A-Level	D or better	2-5	8	BIO 181, 182
	E	1	4	BIO 181



Business Studies AS-Level	E or better	1-5	3	Elective credit
Business Studies A-Level	E or better	1-5	6	Elective credit
Chemistry AS-Level	D or better	2-5	4	CHM 101
Chemistry A-Level	A	5	8	CHM 113 and CHM 116
	B or C	4 or 3	4	CHM 113
	D or E	2 or 1	4	CHM 101
Chinese Language AS-Level	C or better	3-5	5	CHI 101
Chinese A-Level	C or better	3-5	10	CHI 101 and CHI 102
Computer Science AS-Level	E or better	1-5	3	IFT 100
Computer Science A-Level	E or better	1-5	3	CSE 100 or CSE 110 or IFT 100
Design and Technology AS-Level	E or better	1-5	0	No credit
Design and Technology A-Level	E or better	1-5	0	No credit
Digital Media and Design AS-Level	C or better	3-5	3	ART DEC*
Digital Media and Design A-Level	E or better	1-5	3	ART 116
Economics AS-Level	E or better	1-5	0	No credit
Economics A-Level	D or better	2-5	6	ECN 211 and ECN 212
English Language AS-Level	E or better	1-5	3	Placement into ENG 105 and elective credits (3)
English Language A-Level	E or better	1-5	3	Placement into ENG 105 and elective credits (3)
English Literature AS-Level	E or better	1-5	0	No credit
English Literature A-Level	E or better	1-5	3	ENG DEC*
Environmental Management AS-Level	D or better	2-5	4	BIO 130
Food Studies AS-Level	E or better	1-5	0	No credit
Food Studies A-Level	E or better	1-5	6	NTR 100 and NTR 142
French Language AS-Level	C or better	3-5	4	FRE 101
French Literature AS-Level	E or better	1-5	0	No credit
French A-Level	C or better	3-5	8	FRE 101 and FRE 102
General Paper (Writing) AS-Level	E or better	1-5	3	Placement into ENG 105 and elective credits (3)

German Language AS-Level	C or better	3-5	4	GER 101
German A-Level	C or better	3-5	8	GER 101 and GER 102
Geography AS-Level	E or better	1-5	3	GCU DEC*
Geography A-Level	E or better	1-5	6	GCU 102 and GPH DEC*
Global Perspectives and Research AS-Level	E or better	1-5	3	Elective credit
Global Perspectives and Research A-Level	E or better	1-5	6	Elective credit
History AS-Level	E or better	1-5	3	HST DEC*
History A-Level	E or better	1-5	6	HST DEC*
Information Technology AS-Level	E or better	1-5	3	Elective credit
Information Technology A-Level	E or better	1-5	3	Elective credit
Marine Science AS-Level	E or better	1-5	0	No credit
Marine Science A-Level	E or better	1-5	0	No credit
Mathematics AS-Level	E or better	1-5	3	MAT 117
Mathematics A-Level	E or better	1-5	3 to 4	MAT 170 or 171
Mathematics-Further AS-Level	E or better	1-5	4	MAT 270
Mathematics-Further A-Level	E or better	1-5	8	MAT 270 and MAT 271
Media Studies AS-Level	E or better	1-5	0	No credit
Media Studies A-Level	E or better	1-5	3	FMP 201
Music AS-Level	E or better	1-5	3	MUS DEC*
Music A-Level	E or better	1-5	3	MUS DEC*
Physical Science AS-Level	E or better	1-5	3	Elective credit
Physics AS-Level	E or better	1-5	0	No credit
Physics A-Level	E or better	1-5	8	PHY 111, PHY 113, PHY 112 and PHY 114
Portuguese Language AS-Level	C or better	3-5	4	POR 101
Portuguese A-Level	C or better	3-5	8	POR 101 and POR 102
Psychology AS-Level	E or better	1-5	3	PSY 101
Psychology A-Level	E or better	1-5	6	PSY 101 and PSY DEC*

Sociology AS-Level	E or better	1-5	0	No credit
Sociology A-Level	E or better	1-5	0	No credit
Spanish First Language AS-Level	C or better	3-5	4	SPA 101
Spanish Language AS-Level	C or better	3-5	4	SPA 101
Spanish A-Level	C or better	3-5	8	SPA 101 and SPA 102
Thinking Skills AS-Level	E or better	1-5	3	Elective credit
Thinking Skills A-Level	E or better	1-5	6	Elective credit
Travel and Tourism AS-Level	E or better	1-5	3	TDM 205
Travel and Tourism A-Level	E or better	1-5	6	TDM 205 and TDM DEC*

\*\*Credit awarded depends on the content of the course completed; students should see an advisor once admitted.

### Comprehensive examinations

A comprehensive examination is intended to permit a student to establish academic credit in a field in which the student has gained experience or competence equivalent to an established university course. Applications are given only for courses listed in the current catalog and only for courses in which a comprehensive examination can serve as a satisfactory measure of accomplishment.

A number of restrictions apply. To be eligible to apply to take a comprehensive examination to establish undergraduate course equivalence, a student must:

1. have earned not more than 60 credit hours through comprehensive, CLEP, international baccalaureate and advanced placement examinations
2. have earned no credit for a duplicate course
3. have earned no credit for a course for which this course is a prerequisite

The decision on the suitability of course material for a comprehensive examination, the development of a comprehensive examination and the administration of an examination are strictly departmental functions. An application is for one course only. The student should complete an application form with the number, title and number of credit hours for the course. When completed, the application must be approved by the student's advisor and the chairperson of the department responsible for offering the course.

The student must then pay the stated fee for such examinations at cashiering services. The receipt must be taken to the departmental office.

The examination is prepared by the instructor who normally conducts the course, and it is comprehensive in nature and scope. The instructor and other experts designated by the chairperson grade the examination, using letter grades "A+", "A", "A-", "B+", "B", "B-", "C+", "C", "D" or "E". If the grade is "C" or higher, a mark of "Y" is entered on the student's permanent record; otherwise, no entry is made. Credit by examination is indicated as such on the record. The student is notified by mail of the result of the examination. In cases of failure ("D" or "E"), the student is not given an opportunity to repeat the examination.

A student pursuing a second baccalaureate degree may not receive credit by comprehensive examination, but with prior approval of the college, the student may use the examination to waive a course requirement if a grade of "C" or higher is earned.

## Proficiency examinations

Proficiency examinations and auditions are given:

1. to waive a course requirement
2. to validate certain transfer credits in professional programs
3. to determine a student's ability in a field where competence is an important consideration

Detailed information may be obtained from the dean's office of the college in which the student is registered.

**Source URL:** [https://catalog.asu.edu/credit\\_exam](https://catalog.asu.edu/credit_exam)

### Links:

[2] <https://webapp4.asu.edu/transfercreditguide/app/home>

[3] [https://catalog.asu.edu/credit\\_exam#CLEP](https://catalog.asu.edu/credit_exam#CLEP)

[4] [https://catalog.asu.edu/credit\\_exam#AP](https://catalog.asu.edu/credit_exam#AP)

[5] [https://catalog.asu.edu/credit\\_exam#DANTES](https://catalog.asu.edu/credit_exam#DANTES)

[6] [https://catalog.asu.edu/credit\\_exam#IB](https://catalog.asu.edu/credit_exam#IB)

[7] [https://catalog.asu.edu/credit\\_exam#cambridge](https://catalog.asu.edu/credit_exam#cambridge)

[8] [https://catalog.asu.edu/credit\\_exam#COMP](https://catalog.asu.edu/credit_exam#COMP)

[9] [https://catalog.asu.edu/credit\\_exam#PRO](https://catalog.asu.edu/credit_exam#PRO)

[10] [https://catalog.asu.edu/test\\_req](https://catalog.asu.edu/test_req)

[11] <https://uoeee.asu.edu/exam/clep>

[12] <https://uoeee.asu.edu/exam/dsst>

## Leave of absence (undergraduate)

The Undergraduate Leave of Absence (LOA) policy assists and encourages undergraduate degree-seeking students to return and graduate after an absence of more than two semesters from ASU.

**Note:** If you are an undergraduate degree-seeking student who previously attended ASU but have not been enrolled at ASU for **one or two consecutive fall or spring semesters** you may be eligible to return to ASU through Quick Re-entry [1]. Students are not required to process an LOA for absences of one or two consecutive fall or spring semesters.

## Eligibility requirements

To be eligible for an Undergraduate LOA, students must be eligible to register for classes and meet the following criteria:

1. Be a degree-seeking undergraduate student.
2. Be registered during the semester immediately prior to the beginning of the LOA.
  - Students who were admitted as new first-semester freshmen or transfer students but did not attend will not be eligible for an LOA. Instead, they should contact the Undergraduate Admissions office.
  - Students who were readmitted but did not attend will not be eligible for an LOA. Instead, they should contact the Undergraduate Admissions office.
  - Students who are participating in an ASU-sponsored study abroad program need not apply for an LOA; however, students who are participating in a non-ASU-sponsored study abroad program should take advantage of the LOA policy, if eligible.
3. Be in academic good standing, warning, probation, or continuing probation with their college.
4. Have no hold (e.g., disciplinary, financial, testing, etc.) which would restrict registration. Note: Students with financial holds may be given consideration for an LOA if authorized by the Collections Office [2].
5. Have submitted any outstanding high school and/or transfer transcripts, if prior admission/readmission and continued enrollment was contingent upon receipt of those transcripts.

Undergraduate students considering taking an absence from ASU should carefully review the policies and procedures for submitting an Undergraduate Leave of Absence Request [3].

## Leave of absence FAQ's

Information for students returning from a Leave of Absence.

### **Q. My LOA is about to expire; what do I do now?**

A. View your enrollment appointment as well as any current registration holds and "To Do" list items on [My ASU \[4\]](#). Schedule an appointment with your advisor to discuss course selection. Submit transcripts for coursework you completed during your LOA.

### **Q. How will the university inform me regarding upcoming enrollment, deadlines and holds that may occur while on I'm on an LOA?**

A. We recommend checking your My ASU [4] page often during your LOA so that you may stay informed about enrollment appointments, financial aid and tuition deadlines and advising holds that may occur prior to the end of your leave.

### **Q. If I qualify for an LOA, does this defer my scholarship?**

A. No. In order to request a deferment of your scholarship, you will need to complete the Scholarship Deferment Application [5] found on the Scholarship website. To have your scholarship reinstated after the deferment period, you will need to complete the Scholarship Reinstatement Request [6] form.

### **Q. Can I come back earlier than what my original LOA was processed for?**

A. Yes. If you wish to return to ASU prior to the end of your scheduled leave, you will need to contact University Registrar Services at 480-965-3124 so that your return may be updated immediately to maximize enrollment opportunities and meet any college, financial aid, etc. deadlines.

### **Q. Can I request an extension of my LOA?**

A. Yes. If you are unable to return to ASU by the agreed term and have not reached the cumulative total of two years (four major terms) on leave, then you may petition for an extension through the college of your major. To extend your LOA, please complete the LOA form [3] and meet with your college for approval. Once the college signs the LOA extension form, return the form to any University Registrar Services location [7] for processing. If an extension is not granted, you will need to follow readmission procedures before you will be allowed to return to ASU.

### **Q. How will the university inform me regarding upcoming enrollment, deadlines and holds that may occur while on leave of absence?**

A. We recommend checking your My ASU [4] page often during your leave of absence so that you may stay informed about enrollment appointments, financial aid and tuition deadlines and advising holds that may occur prior to the end of your leave.

### **Q. Am I able to view my unofficial transcripts?**

A. Yes. Student can view their unofficial transcripts through their My ASU [4] page.

### **Q. Will my loans be deferred while on an LOA?**

A. No. In order to defer loans, students must be currently enrolled. While the LOA keeps student records up to date, it does not allow for deferment. Please contact your lender for more information.

### **Q. If I qualify for an LOA, does this defer my scholarship?**

A. No. In order to request a deferment of your scholarship, you will need to complete the Scholarship Deferment Application [5] found on the scholarship website. To have your scholarship reinstated after the deferment period, you will need to complete the Scholarship Reinstatement Request [6] form.

## Q. Can I attend another institution while on an LOA?

A. Yes. Once all coursework is complete and graded, please request official transcripts to be sent directly from the transfer institution to ASU at the following address:

Arizona State University  
PO Box 870112  
Tempe, AZ 85287-0112

Registration and Tuition Payment Guide [8]

Enrollment Request Forms [9]

Contact University Registrar Services [7]

**Source URL:** <https://students.asu.edu/leave-absence>

### Links:

- [1] <https://students.asu.edu/readmission>
- [2] <https://students.asu.edu/tuitionandbillingcontact>
- [3] <https://students.asu.edu/forms/leave-absence-undergraduate>
- [4] <http://my.asu.edu/>
- [5] <https://students.asu.edu/forms/scholarship-deferment-application>
- [6] <https://students.asu.edu/forms/scholarship-reinstatement>
- [7] <https://students.asu.edu/contact/office-university-registrar>
- [8] <https://students.asu.edu/registration-and-tuition-payment-guide>
- [9] <https://students.asu.edu/forms/registration>

## Minors and undergraduate certificates

To declare a minor or pursue a certificate, please consult your academic advisor and an advisor in the unit offering the minor for more information. Search minors and certificates [1].

### Minors

A minor is an approved, coherent concentration of academic study in a single discipline, involving substantially fewer hours of credit than a corresponding major. Most ASU colleges offer undergraduate minors in addition to majors.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed coursework, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

### Undergraduate certificates

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

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

**Links:**

[1] <https://webapp4.asu.edu/programs/t5/MinorsCertificates/undergrad/true>

## Placement and testing requirements

### *English placement*

All new, transfer or readmitted undergraduate students who plan to enroll for seven or more credit hours must meet one of the following testing requirements. Students who fail to meet at least one of these requirements are not allowed to register for any course the following semester:

- Take the ACT English or SAT verbal examination, and have scores submitted to ASU.
- Receive a score of four or five for the advanced placement examination in English offered by the College Entrance Examination Board, and have scores submitted to ASU.
- Take the CLEP general examination in College Composition, earning a score that qualifies for equivalency with ENG 101 or placement into ENG 105, and have scores submitted to ASU.
- Have previously taken ENG 101, ENG 102, ENG 105, ENG 107 or ENG 108 at ASU; or have previously earned a grade of "Y;" or be currently enrolled in WAC 101 or WAC 107 at ASU.
- Transfer a course equivalent to ENG 101, ENG 102, ENG 105, ENG 107 or ENG 108 with a grade of "C" (2.00) or higher. An official transcript showing the grade must be received at ASU. If a student transfers an equivalent composition course from a public Arizona community college or university or an articulated equivalent course from another institution, the equivalency is automatically posted and the student need not take further action. A student transferring a nonarticulated composition course from any other college or university may be required to submit documentation to determine equivalency of the courses. After consultation with an advisor, if evaluation is necessary, the student should submit a request for evaluation through the ASU Transfer Guide [1].

Also:

- An international student whose native language is not English must take ENG 107 (or WAC 107 followed by ENG 107 the second semester) in the first semester at ASU, unless an equivalent composition course from a college or university in the U.S. was taken and transferred. Such a course must be evaluated for equivalency through the ASU Transfer Guide [1].

Admitted ASU students who have not sent official ACT or SAT scores to ASU may need to take the WritePlacer section of the ACCUPLACER placement test [2] for placement into a first-year English composition course.

### *Math placement*

ASU requires all incoming freshmen to complete the ASU mathematics placement test [3] for mathematics prior to orientation in order to determine the appropriate math course for enrollment.

**Source URL:** [https://catalog.asu.edu/test\\_req](https://catalog.asu.edu/test_req)

**Links:**

[1] <https://webapp4.asu.edu/transfercreditguide/app/home>

[2] <https://uoeee.asu.edu/exam/accuplacer>

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

## Retention and academic standards

### *Class standing*

A student's class standing is determined by the number of credit hours earned, as shown in the table below.

Student	Credit Hours Earned
Freshman	24 or fewer credit hours earned
Sophomore	25 to 55 credit hours earned
Junior	56 to 86 credit hours earned
Senior	87 or more credit hours earned
Graduate	bachelor's degree from accredited institution

### *Academic good standing*

For the purpose of retention, university academic good standing [1] for degree-seeking students is defined as maintaining a minimum cumulative GPA of 2.00. This standard is in effect for all students, regardless of catalog year, beginning in fall 2013.

An ASU student who does not achieve the minimum GPA standard at the completion of the first term of study will receive an academic warning [2]. If after one term with an academic warning a student still does not achieve the minimum GPA standard, the student will be placed on probation for at least one additional term. If a student's minimum GPA first falls below the standard in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

A student with an academic warning or on academic probation is considered in conditional good standing and is permitted to enroll.

Whether a student's status is an academic warning or probation, the student must meet with an academic success specialist to discuss academic success strategies for the subsequent semester and develop a success plan for returning to university academic good standing. At the discretion of the student's college or school, that plan may require successful completion of UNI 220 Academic Refresher.

### **Dean's List**

Undergraduate students are eligible for the Dean's List if they earn 12 or more graded credit hours ("A+", "A", "A-", "B+", "B", "B-", "C+", "C", "D" or "E") during a semester in residence at ASU with a GPA of 3.50 or higher. A notation regarding Dean's List achievement appears on the unofficial transcript.

### **Satisfactory Academic Progress**

The university is required to publish and enforce standards of satisfactory academic progress for certain students (e.g., student athletes, students receiving financial aid and students receiving veterans benefits).

Certification of satisfactory progress for student athletes is verified by the academic advisor and the dean's designee for certifying satisfactory progress. Certification of satisfactory progress [3] for students receiving financial aid or veterans benefits is verified by the Financial Aid and Scholarship Services office or the Office for Veteran and Military Academic



Engagement, respectively. Students should contact their advisors or the appropriate office for additional information on satisfactory progress requirements.

## **Probation**

A student's college assumes responsibility for enforcing academic standards and may place on university academic probation [4] any student who has failed to maintain good standing as previously defined. For purposes of probation and retention, an individual college may set higher GPA standards. A student on academic probation is required to observe any rules or limitations the college may impose as a condition for retention, including college-established policies regarding continuing probation.

## **Co-enrolled Continuing Probation Program**

Select disqualified students may participate in the Co-enrolled Continuing Probation program at the discretion of their college or school. Under this program, the student takes UNI 220 Academic Refresher plus one ASU course selected by the student's advisor. The student co-enrolls at a Maricopa County Community College with a schedule selected in consultation with the ASU advisor. Upon completion of the term, students with a combined semester cumulative GPA of 2.50 may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

## **Disqualification**

A student who is placed on probation at the end of a semester is subject to disqualification [5] by the college or school at the end of the following semester if the conditions imposed for retention are not met.

Disqualification is exercised at the discretion of the college or school. A student is notified of disqualification by the dean of the college and is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled. A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible. A disqualified student may not attend as a nondegree student. If a disqualified student elects to attend another university or two-year college, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a replacement of a grade earned at ASU. Disqualified students must consult with an academic advisor to determine eligibility to attend ASU in the summer session, to raise the ASU cumulative GPA.

Select disqualified students may participate in the Co-enrolled Continuing Probation Program. Information about this is available in the Glossary of Academic Terms, at Probation [4].

## **Readmission**

Students not eligible for Quick Re-entry [6] (i.e., because they have not been enrolled at ASU for three or more semesters, completed their academic program or were academically disqualified) must apply for readmission and submit applicable fees.

Candidates for readmission who are not in academic good standing are subject to college review.

A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible.

## **Academic Integrity**

All students should be familiar with ASU's Academic Integrity policy. More information about Academic Integrity at ASU is available here: <https://provost.asu.edu/academic-integrity> [7].

**Source URL:** [https://catalog.asu.edu/retention\\_standing](https://catalog.asu.edu/retention_standing)

## **Links:**

[1] <https://catalog.asu.edu/glossary#goodstanding>

[2] <https://catalog.asu.edu/glossary#warning>

[3] <https://catalog.asu.edu/glossary#progress>

[4] <https://catalog.asu.edu/glossary#probation>

[5] <https://catalog.asu.edu/glossary#disqualified>

[6] <https://catalog.asu.edu/glossary#quickreentry>

[7] <https://provost.asu.edu/academic-integrity>

## University Undergraduate General Studies requirement

A baccalaureate education should prepare students for a particular profession or advanced study and for constructive and satisfying personal, social and civic lives as well. In addition to depth of knowledge in a particular academic or professional discipline, students should also be broadly educated and develop the general intellectual skills they need to continue learning throughout their lives. Thus, the General Studies requirement complements the undergraduate major by helping students gain mastery of critical learning skills, investigate the traditional branches of knowledge and develop the broad perspective that frees one to appreciate diversity and change across time, culture and national boundaries.

Critical learning skills include proficiency in the use of language, mathematics and quantitative methods as tools for acquiring, renewing, creating and communicating knowledge. A broad education includes an understanding of the methods and concerns of traditional branches of knowledge — the arts and humanities, the social sciences and the natural sciences. Developing perspective requires historical, global and cross-cultural examination of knowledge of all kinds.

The General Studies requirement is composed of courses in five core areas and three awareness areas. The courses are approved by the General Studies Council and are noted in the course catalog [1] for each academic term. General Studies courses are regularly reviewed and are occasionally added to and deleted from the list. Students should always consult the course catalog [1] each semester to see which courses currently meet the General Studies requirement.

A student receives the General Studies credit that a course carries during the semester in which the course is taken.

### *Five core areas (General Studies)*

#### **L: Literacy and Critical Inquiry (three credit hours)**

Literacy is competence in written and oral discourse. Critical inquiry is the gathering, interpretation and evaluation of evidence. The literacy and critical inquiry requirement helps students sustain and extend their ability to reason critically and communicate clearly through language.

Students must complete three credit hours from courses designated as L. Students must have completed ENG 101, ENG 105 or ENG 107 to take an L course.

The three credit hours required to meet the General Studies L requirement are in addition to the university-level upper-division L requirement. See university graduation requirements [2] for more information.

#### **MA and CS: Mathematical Studies (combined six credit hours)**

This core area has two categories. Mathematics (MA) is the acquisition of essential skills in basic mathematics. Computer/statistics/quantitative applications (CS) applies mathematical reasoning and requires students to complete a course in either the use of statistics/quantitative analysis or the use of a computer to assist in serious analytical math work.

This requirement has two parts: At least three credit hours must be selected from courses designated MA and at least three credit hours must be selected from courses designated CS, and all students are expected to fulfill the MA requirement by the time they accumulate 30 hours of credit in residence at ASU. Any student who has more than 30 hours of resident ASU credit and has not fulfilled the MA requirement must enroll in an MA course or an appropriate prerequisite and continue to do so every semester until the mathematics requirement is met. College officers may grant waivers to the immediate and continual enrollment requirement only when there are scheduling conflicts detrimental to the student's academic progress.

## **HU: Humanities, Arts and Design and**

### **SB: Social-Behavioral Sciences (combined 12 credit hours)**

The study of the humanities and the disciplines of art and design deepen awareness of the complexities of the human condition and its diverse histories and cultures. Courses in the humanities are devoted to the productions of human thought and imagination, particularly in philosophical, historical, religious and artistic traditions. Courses with an emphasis in arts and design comprise the study of aesthetic experiences and the processes of artistic creation. They may also feature a design emphasis in which material culture is studied as a product of human thought and imagination.

The social-behavioral sciences provide scientific methods of inquiry and empirical knowledge about human behavior, within society and individually. The forms of study may be cultural, economic, geographic, historical, linguistic, political, psychological or social. The courses in this area address the challenge of understanding the diverse natures of individuals and cultural groups who live together in a world of diminishing economic, linguistic, military, political and social distance.

Twelve credit hours must be completed in the following two core areas: humanities, arts and design (HU) and social-behavioral sciences (SB). At least six credit hours must be taken in one of these two core areas.

The 12 credit hours required to meet the General Studies HU/SB requirement are in addition to the university-level upper-division HU/SB requirement. Students should see university graduation requirements [2] for more information.

### **SQ and SG: Natural Sciences (combined eight credit hours)**

The natural sciences help students appreciate the scope and limitations of science and its contributions to society. Natural science areas of study include anthropology, astronomy, biology, biochemistry, chemistry, experimental psychology, geology, microbiology, physical geography, physics and plant biology. Knowledge of the methods of scientific inquiry and mastery of basic scientific principles and concepts are stressed, specifically in those that relate to matter and energy in living and nonliving systems. Firsthand exposure to scientific phenomena in the laboratory is important for developing and understanding the concepts, principles and vocabulary of science.

General Studies courses that satisfy the natural science requirement are given one of two classifications: quantitative (SQ) and general (SG).

- quantitative (SQ): These laboratory courses include a substantial introduction to the fundamental behavior of matter and energy in physical and biological systems.
- general (SG): These laboratory courses cover aspects of scientific inquiry that lend themselves to more qualitative or descriptive discussions of science.

Eight credit hours of courses designated SQ or SG must be selected. Of these, at least four credit hours must be taken from the SQ category.

### **Three awareness areas (General Studies)**

Students must complete courses that satisfy three awareness areas. Courses that are listed for a core area and one or more awareness areas may satisfy requirements concurrently, up to a maximum of two of the awareness areas listed for that course. These awareness areas promote appreciation of cultural diversity within the contemporary U.S., the development of an international perspective and an understanding of current human events through study of the past.

#### **1. Cultural Diversity in the United States (C)**

The objective of the cultural diversity (C) requirement is to promote awareness and appreciation of cultural diversity within the contemporary U.S. This is accomplished through the study of the cultural, social or scientific contributions of women and minority groups, examination of their experiences in the U.S., or exploration of successful or unsuccessful interactions between and among cultural groups. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present and future and also help students achieve greater mutual understanding and respect.

#### **2. Global Awareness (G)**

The objective of the global awareness (G) requirement is to help students recognize the need for an understanding of the values, elements and social processes of cultures other than those of the U.S. The global awareness area includes courses that recognize other contemporary cultures and the relationship of the American cultural system to generic human goals and welfare.

### 3. Historical Awareness (H)

The objective of the historical awareness (H) requirement is to help students develop knowledge of the past, which can be useful in shaping the present and future. History is present in languages, art, music, literature, philosophy, religion and the natural sciences as well as in the social science traditionally called history.

#### *Meeting the General Studies requirement*

All students enrolled in a baccalaureate degree program must successfully complete a minimum of 29 credit hours of approved General Studies courses. Many General Studies courses are approved as satisfying more than one requirement. The following conditions govern the application of courses toward the General Studies requirement:

- A single course may be used to satisfy one core area and a maximum of two awareness area requirements.
- A single course may be used to satisfy a maximum of two awareness area requirements.
- A single course cannot be used to satisfy two core area requirements, even if it is approved for more than one core area.

There is no limit to the number of advanced placement or College-Level Examination Program credits that can be used to meet the General Studies requirement; see credit by examination [3]. However, CLEP credits do not satisfy the natural sciences (SQ and SG) and literacy and critical inquiry (L) portions of the General Studies requirement.

#### *Transfer credit*

Completion of ASU's lower-division General Studies and composition requirements will be awarded to any transfer student who has completed the General Studies and composition requirements at another domestic university as certified through completion of the AGECE from an Arizona community college or IGETC/CSUGE for California public community colleges, or the completion of an associate of arts degree at any regionally accredited community college or university in the United States. These students will still be required to fulfill lower-division program requirements and prerequisites within their college and major and minor area of study. Additionally, students must still take six upper-division credit hours (three for L and three for SB or HU) to complete the ASU university-level graduation requirements. If students transfer from Arizona community colleges without completing the AGECE or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. Students should see Arizona General Education Curriculum [4].

#### *University requirements*

In addition to the 29 credit hours of lower-division general education coursework, university graduation requirements [2] also require students to take six additional upper-division credit hours. Three hours with a Literacy (L) designation are required to be chosen from approved upper-division courses, preferably in the major. Three hours with either a humanities, arts and design (HU) or social-behavioral sciences (SB) designation should also be chosen from approved upper-division courses, preferably in the major.

#### *College or school and major requirements*

In addition to the General Studies requirement, students must also complete college or school and major requirements. Students are encouraged to work with their academic advisors to develop a program of study that efficiently meets all graduation requirements. A well-planned program should enable a student to concurrently satisfy requirements at the university, college or school levels and within their major.

**Source URL:** [https://catalog.asu.edu/ug\\_gsr](https://catalog.asu.edu/ug_gsr)

**Links:**

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

[2] <https://catalog.asu.edu/undergraduatereq>

[3] [https://catalog.asu.edu/credit\\_exam#CLEP](https://catalog.asu.edu/credit_exam#CLEP)

[4] <https://catalog.asu.edu/agec>

## University undergraduate graduation requirements

All students enrolled in a baccalaureate degree program must fulfill the following university requirements to graduate.

### *Credit requirements*

A minimum of 120 credit hours is required for graduation with a baccalaureate degree; at least 45 credit hours must be in upper-division courses. Some programs may require more than 120 credit hours and 45 upper-division credit hours for graduation; students should check the program's major map for graduation requirements.

No more than 60 credit hours earned in independent learning courses or earned by comprehensive examination (including Advanced Placement, College-Level Examination Program, DANTES Subject Standardized Test, Cambridge International Exam and International Baccalaureate diploma/certificate exams) are accepted for credit toward the baccalaureate degree.

### *Grade point requirement*

A minimum cumulative grade point average of 2.00 for all courses taken at ASU is required to graduate with a baccalaureate degree. Some programs may require a cumulative GPA higher than 2.00; students should refer to the specific program's major map for graduation requirements.

### *General studies requirement*

All students enrolled in a baccalaureate degree program must satisfy the university requirement of a minimum of 29 credit hours of approved General Studies coursework. See General Studies. [1]

Students transferring from Arizona community colleges with a certified completion of the appropriate Arizona General Education Curriculum will have satisfied all lower-division General Studies requirements of the baccalaureate degree with which the AGECE articulates. Completion of ASU's lower-division General Studies and composition requirements also will be awarded to any transfer student who has completed the IGETC/CSUGE for California public community colleges or an associate of arts degree at any regionally accredited community college or university in the United States. For more details regarding the different versions of AGECE, students should refer to <https://aztransfer.com/> [2].

In addition to 29 credit hours of General Studies coursework, students must complete an additional six upper-division credit hours, preferably chosen from within the major, comprised of three credit hours of literacy (L) and three credit hours of humanities, arts and design (HU)/social-behavioral sciences (SB).

### *Mathematics requirement*

All undergraduate degree-seeking students are expected to fulfill the university's mathematics requirement by the time they have accumulated 30 hours of credit in residence at ASU. Any student who has more than 30 credit hours and has not fulfilled the mathematics requirement must enroll in a mathematics course or an appropriate prerequisite course and continue to do so every semester until the mathematics requirement is met. A waiver may be granted for continuous enrollment if there are scheduling conflicts detrimental to the student's academic progress. Students should also see the Math Intensive Programs: Required Course Policy [3].

### *First-year composition requirement*

Completion of both ENG 101 and ENG 102 or ENG 105 with a grade of "C" (2.00) or higher is required for graduation from ASU in any baccalaureate program. A student whose native language is not English may meet the first-year composition requirement by completing ENG 107 and 108 with a grade of "C" (2.00) or higher. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

### **Transfer credit**

Composition courses transferred from other post-secondary institutions may require evaluation. After consultation with an advisor, if evaluation is necessary, the student should submit a request for evaluation through the ASU Transfer Guide [4]. The process should be completed upon transfer of coursework to ASU so the student is able to enroll in additional courses if required to do so. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

### *Resident credit requirement*

Resident credit refers to a course that is offered in a regular semester, winter session (prior to 2011-2012), intersession or summer session. Credit earned through comprehensive examinations is also included when calculating ASU resident hours. Credit earned through independent learning, Advanced Placement testing, the College-Level Examination Program or an International Baccalaureate diploma/certificate are excluded when calculating ASU resident hours.

Every candidate for the baccalaureate degree is required to earn a minimum of 30 credit hours in resident-credit courses at ASU.

### *Guidelines for determination of catalog year*

The ASU Academic Catalog is published annually. Department, school, division, college and university requirements are upgraded often and may change. In determining graduation requirements, an undergraduate student will use only one edition of the catalog but may elect to follow any subsequent catalog edition under which the student attends. Students may not use an edition of the catalog that was in effect before their high school graduation or completion of GED. Students maintaining continuous enrollment at any Arizona community college or public university may graduate according to the requirements of the catalog in effect at the time of initial enrollment following high school graduation or completion of a GED or according to the requirements of any single catalog in effect during subsequent terms of continuous enrollment. Students may maintain continuous enrollment while pursuing their degrees, whether attending a single Arizona community college or public university or transferring among public institutions in Arizona. Students transferring among Arizona public higher education institutions must meet all requirements of the degree-granting institution: admission, residency, curricular and academic.

1. A semester in which a student earns course credit is counted toward continuous enrollment. Noncredit courses, audited courses, failed courses and courses from which the student withdraws do not count toward the determination of continuous enrollment for catalog purposes (examples A and B in the continuous enrollment table below).
2. Students who do not meet the minimum enrollment standard stipulated above during three consecutive semesters (fall/spring/fall or spring/fall/spring) and the intervening summer term at any Arizona community college or public university are no longer considered continuously enrolled. These students must meet requirements of the Arizona community college or public university catalog in effect at the time they are readmitted or of any single catalog in effect during subsequent terms of continuous enrollment after readmission (examples C and D in the continuous enrollment table below). Students are not obligated to enroll and earn course credit during summer terms, but summer enrollment may be used to maintain continuous enrollment status.
3. Students admitted or readmitted to an Arizona community college or public university during a summer term must follow the requirements of the catalog in effect for the following fall semester or of any single catalog in effect during subsequent terms of continuous enrollment (example E in the continuous enrollment table below).
4. In areas of study in which the subject matter changes rapidly, material in courses taken long before graduation may become obsolete or irrelevant.



5. Coursework that is more than eight years old is applicable to completion of degree requirements at the discretion of the department of the student's major. Departments may accept or reject such coursework or request that the student revalidate the substance of the coursework. The eight-year limit on coursework applies except when program accreditation agencies limit the life of coursework to fewer than eight years. Departments also may require students to satisfy current major requirements rather than major requirements stated in earlier catalogs when completing earlier requirements is no longer possible or educationally sound.
6. Enrollment by Arizona community college students in nontransferable courses still constitutes enrollment for purposes of determining whether the student has been continuously enrolled. For example, if a student takes two semesters of cooperative education classes that are not transferable to the university but constitute continuous enrollment at the community college, the university should consider it continuous enrollment.
7. Exceptions made by an institution apply only to the institution that made the exception. For example, if the community college departments accepted credit that was more than eight years old, the university department to which the student transfers might not; the university department has the right and the obligation to reevaluate any credit more than eight years old.

Inquiries about these guidelines may be directed to the student's academic advisor.

### Continuous Enrollment

#### Student's Activity

#### Semester/Year

#### Status

#### Example A

Admitted and earned course credit at an Arizona community college

Fall 2011

Active

Continued at an Arizona community college

Spring 2012  
Fall 2012

Active

Transferred to an Arizona university

Spring 2013

Student enrolled under 2011–2012 or any subsequent catalog

#### Example B

Admitted and earned course credit at an Arizona community college

Fall 2013

Active

Enrolled but earned all "W"s or "E"s (0.00)

Spring 2014

Inactive

Enrolled in audit courses only

Fall 2014

Inactive

Nonattendance

Spring 2015

Inactive

Transferred to an Arizona university	Fall 2015	Student enrolled under 2015–2016 or any subsequent catalog
<b>Example C</b>		
Admitted and earned course credit at an Arizona community college	Fall 2009	Active
Nonattendance	Spring 2010 Fall 2010 Spring 2011	Inactive
Readmitted and earned course credit at an Arizona community college	Fall 2011	Active
Transferred to an Arizona university	Spring 2012	Student enrolled under 2011–2012 or any subsequent catalog
<b>Example D</b>		
Admitted and earned course credit at an Arizona community college	Fall 2010	Active
Nonattendance	Spring 2011	Inactive
Readmitted and earned course credit at an Arizona community college	Summer 2011	Active
Nonattendance	Fall 2011 Spring 2012	Inactive
Transferred to an Arizona university	Fall 2012	Student enrolled under 2010–2011 or any subsequent catalog
<b>Example E</b>		
Admitted and earned course credit at an Arizona community college	Summer 2014	Active
Continued at an Arizona community college	Fall 2014 Spring 2015	Active



Nonattendance	Fall 2015	Inactive
Readmitted and earned course credit at an Arizona community college	Spring 2016	Active
Transferred to an Arizona university	Summer 2016	Student enrolled under 2014–2015 or any subsequent catalog

### Example F

Admitted and earned course credit at an Arizona university	Summer 2014	Active
Nonattendance	Fall 2014	Inactive
Nonattendance	Spring 2014	Inactive
Readmitted and earned course credit at an Arizona university	Fall 2015	Active
Continued at an Arizona community college	Spring 2016	Student enrolled under 2014–2015 or any subsequent catalog

### *Application for graduation*

For information on how to apply for graduation and deadline dates, students should visit <https://students.asu.edu/graduation> [5].

### *Petition for variance from degree*

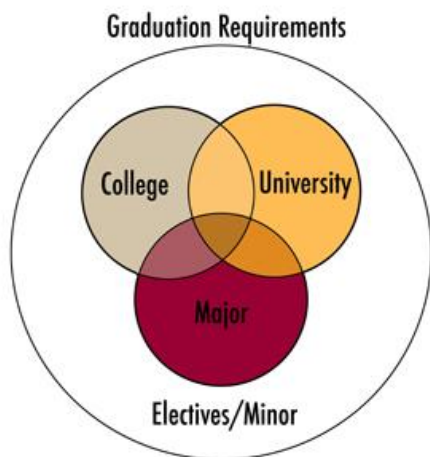
Any student wishing to have a college or university degree requirement variance must petition the standards committee of the college in which the student is enrolled. All petitions must originate with the student's advisor.

The University Undergraduate Standards Committee advises the Office of the University Provost regarding undergraduate student petitions that concern university-wide academic requirements. These requirements include but are not limited to requirements on the amount of transfer credit, graduation requirements, limits on credit by examination and requirements for a second baccalaureate degree. To petition for a variance from such university requirements, the University Undergraduate Standards Committee petition [6] is used. Most petitions heard by the University Undergraduate Standards Committee start at the college level and are forwarded for final review and decision to the university-level committee.

## Overview of graduation requirements

At ASU, students take classes that fulfill four types of requirements. As illustrated in the graduation requirements diagram below, some courses can fulfill two or more types of requirements but other courses fulfill only one requirement. The total credit hours needed to graduate are represented by the largest circle. The university minimum is 120 credit hours. Some majors, however, require more than 120 credit hours.

Although the three shaded circles in the illustration below are equal in size and the white circle is larger than all three, the total number of credit hours for each type of requirement may vary.



### University requirements

The yellow circle represents university requirements. The General Studies requirement and first-year composition requirement are among these requirements.

### College requirements

The gray circle represents college requirements. Some colleges and schools such as The College of Liberal Arts and Science have additional requirements.

### Major

The red circle represents the requirements of the major. The credit hours required for a major may be as low as 30 hours or as high as 65 hours.

### Electives/Minor/Certificate

The white circle represents electives and the requirements of a minor or certificate. A minor typically adds an additional 18 to 25 credit hours of coursework. Although every student must eventually declare a major, minor and certificates are not required. Some courses, while providing credit hours toward graduation, fall outside the shaded circles and are not required in a program for graduation. These courses are electives. Some majors leave no room for electives within the minimum 120 credit hours required to graduate.

### Other requirements

The separate units of ASU — such as colleges, schools and departments — have specific requirements for graduation that must be satisfied for a baccalaureate degree. Students are encouraged to consult with an academic advisor in planning a program to ensure it meets the various requirements. A well-planned program may enable a student to satisfy concurrently a portion of the General Studies requirement together with a portion of a college or major requirement.

## Graduation with academic recognition

An undergraduate student must have completed at least 56 credit hours of resident credit at ASU to qualify for graduation with academic recognition for a baccalaureate degree. Note: West campus students following a catalog year prior to fall 2007 are required to have completed at least 50 credit hours of resident credit at ASU.

The cumulative GPA determines the designation, as shown in the academic recognition table below.

Academic Recognition	
Cumulative GPA	Designation
3.40–3.59	cum laude
3.60–3.79	magna cum laude
3.80–4.00	summa cum laude

The cumulative GPA for these designations is based on ASU resident coursework only. For example, ASU independent learning course grades are not calculated in the honors GPA. All designations of graduation with academic recognition are indicated on the diploma and the ASU transcript. Graduation with academic recognition applies only to undergraduate degrees.

A student who has a baccalaureate degree from ASU and is pursuing a second baccalaureate degree at ASU (with a minimum of 30 hours of resident credit) is granted academic recognition on the second degree based on the credit hours earned subsequent to the posting of the first degree. If fewer than 56 credit hours are completed at ASU subsequent to completion of the first ASU degree, the level of academic recognition can be no higher than that obtained on the first degree. If 56 or more credit hours are completed at ASU after completion of the first ASU degree, the level of academic recognition is based on the GPA earned for the second ASU degree. Inquiries about graduation with academic recognition may be directed to the graduation office at 480-965-3256.

## Additional degrees

### Second baccalaureate degree

The student seeking a second baccalaureate degree must meet admission criteria for that degree. After conferral of the first degree, a minimum of 30 credit hours in resident credit courses at ASU must be successfully completed to earn the second baccalaureate degree. The student must meet all degree and university requirements of the second degree.

Students who wish to use courses taken while in graduate nondegree status toward a second bachelor's degree may have up to 15 credit hours applied toward this degree.

### Concurrent degrees

More than one baccalaureate degree may be pursued concurrently if prior approval is given by the standards committees of the colleges offering the degrees. Students may receive concurrent degrees if they meet the minimum requirements for both degrees. For additional information, students are asked to review the glossary description found here [7].

## ***eAdvisor and critical requirements***

eAdvisor [8] ensures that students get off to a good start and stay on track toward graduation by helping them find a major that fits their talents and career goals and then monitors progress. Students use eAdvisor to do the following:

- Learn more about graduation requirements for their major.
- Discern the critical courses and grades that are required to stay on track to successfully complete their degree.
- Plan for and schedule appropriate courses in the correct sequence to maximize success.
- Monitor progress toward their degree.
- Find out how courses may fit into other majors if they decide to change majors.

Through eAdvisor, students follow a major map that outlines the critical requirements and optimal eight-semester plan. If students do not meet the critical requirements, an advising hold may be placed on the students' records, and an advising session is required before future registration activities can take place. When students do not meet the critical requirements for two consecutive semesters, they are considered off track and may be advised to change majors.

Critical requirements are identified by the faculty and academic units as predictors of success in a major. To ensure students are able to enroll in critical courses, ASU academic units coordinate to offer sufficient seats to meet demand. Specific class schedules (days and times) are not guaranteed.

### **Math-intensive programs: required course policy**

ASU undergraduate degree programs are categorized in the area of math intensity [9] as either general, moderate or substantial based on the number and type of required math courses. Students enrolled in a degree program categorized as substantial in math intensity who receive a failing grade of "E" twice in the same required math course may be required to change their major to a major categorized as general or moderate. This policy is applicable even if the required math course is not marked as critical through the eAdvisor Tracking Tool.

**Source URL:** [https://catalog.asu.edu/ug\\_grad\\_req](https://catalog.asu.edu/ug_grad_req)

### **Links:**

[1] [https://catalog.asu.edu/ug\\_gsr](https://catalog.asu.edu/ug_gsr)

[2] <https://aztransfer.com/>

[3] <https://catalog.asu.edu/undergraduatereq#mathintensity>

[4] <https://webapp4.asu.edu/transfercreditguide/app/home>

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

[6] <https://provost.asu.edu/committees/university-undergraduate-standards-committee>

[7] <https://catalog.asu.edu/glossary#concurrent>

[8] <https://eadvisor.asu.edu/>

[9] <https://catalog.asu.edu/mathintensity>

# graduate policies and procedures



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## Introduction

The Graduate College admits students into programs leading to both professional and research-oriented advanced degrees and certificates beyond the bachelor's degree. The master's and doctoral degrees are awarded to students completing programs that culminate in research and creative endeavors. The doctoral degree is the highest university award, conferred on candidates who have proven their ability as scholars and original researchers.

### Academic Integrity

The highest standards of [academic integrity](#) and compliance with the university's [Student Code of Conduct](#) are expected of all graduate students in academic coursework and research activities. The failure of any graduate student to uphold these standards may result in serious consequences including suspension or expulsion from the university and/or other sanctions as specified in the academic integrity policies of individual colleges as well as the university.

Violations of academic integrity include, but are not limited to: cheating, fabrication of data, tampering, plagiarism, or aiding and/or facilitating such activities. At the graduate level, it is expected that students are familiar with these issues and that students assume personal responsibility in their work.

### Graduate Student Responsibilities

Graduate students are responsible for familiarizing themselves with all university and graduate policies and procedures. Students should also communicate directly with their academic unit to be clear on expectations for degree completion.

Information is provided to students via [MyASU](#). Students should frequently check their MyASU account for the most up-to-date information regarding their status, holds, items to attend to and other important information.

It is very important that students check with their thesis/dissertation advisor well in advance of data collection to ensure compliance with university regulations regarding the collection of research data. Please see the section of this guide titled "Research Involving Human and Animal Subjects."

## Application

### Submission of an Application

For admission information and procedures, see [students.asu.edu/graduate](https://students.asu.edu/graduate). Applications for all graduate degree programs, certificate programs and/or non-degree must be submitted via the [students.asu.edu/graduate/apply](https://students.asu.edu/graduate/apply).

Prior to submitting an application to the Graduate College, applicants should review information regarding the [graduate program](#) and academic unit application requirements and deadlines. Students who have a Graduate College approved *Leave of Absence* on file with the Graduate College [prior](#) to their semester of non-registration and are re-entering the same graduate program for the semester immediately following the approved request, are not required to submit a new application.

### Application Deadlines

Application deadlines are set by the graduate programs. Consult the program websites or the [Graduate Degree and Certificate Search](#) tool for specific application deadlines.



\*Please note that international students wishing to attend an in-person program must apply to Sessions A or C only (Session B is not available to international students due to visa requirements).

## Application Fee

Each application to an ASU graduate program must be accompanied by a non-refundable application fee, payable by credit or debit card at the time of submission. The application fee covers Graduate Admission Services' administrative costs of processing all applications and is not refundable under any circumstance.

- ⤴ Domestic application fee: \$70;
- ⤴ International application fee: \$115.

Applicants receive an email acknowledgement once the application has been successfully submitted. The acknowledgement includes an ASURITE ID and activation code so that students may follow the progress of their application through MyASU. Applicants should review [MyASU](#) to monitor their application status, "To Do" items and "Holds".

## Application Requirements

Applicants must submit official transcripts from all post-secondary institutions previously attended to the Graduate Admissions Services office (see [students.asu.edu/graduate/standards](https://students.asu.edu/graduate/standards)). **Academic units may have admission requirements in addition to those of Graduate Admission Services.** Many graduate programs require scores from a national admissions test such as the Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT) or the Miller Analogies Test. Some programs require a portfolio, letters of recommendation a statement of goals and/or a resume. Applicants should consult the academic unit regarding program admission requirements prior to submitting an online application. Programs will submit a recommendation to the Dean for Graduate College regarding their willingness to admit an applicant.

All documents received by Graduate Admission Services in connection with an application become property of ASU and will not be returned.

## Academic Credentials

Applicants who attended school in the United States must hold a bachelor's degree or higher from a regionally accredited U.S. institution in order to be eligible for admission. Applicants are required to provide proof that a bachelor's or graduate degree was awarded before completion of their first semester of graduate studies at ASU.

Applicants who attended school outside of the U.S. must hold a bachelor's or graduate degree, or equivalent, from an institution that is officially recognized by that country. If original credentials are issued in a language other than English, applicants must provide the original language transcripts as well as an official and literal translation. Applicants are required to provide proof that a bachelor's or graduate degree was awarded before completion of their second semester of graduate studies at ASU.

Photocopied documents certified by a notary public are not official. For more information regarding official academic credentials see [students.asu.edu/graduate](https://students.asu.edu/graduate). For additional information regarding official international academic credentials see [students.asu.edu/graduate/apply](https://students.asu.edu/graduate/apply).

Applicants must have maintained a minimum grade point average of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of undergraduate coursework.

Because ASU receives applications from many highly qualified students, some applicants may be denied admission for reasons not related to their academic performance. Examples include, but are not limited to: program capacity, mentor availability and/or program match.

## Additional International Requirements

### International Applicants

Please consult the Graduate Admission Services websites at [students.asu.edu/graduate](https://students.asu.edu/graduate), and [students.asu.edu/international/immigration](https://students.asu.edu/international/immigration) for complete information.

Applicants who will hold an F-1 or J-1 visa must:

1. Meet the regulations of the U.S. Immigration and Customs Enforcement (ICE) agency.
2. Obtain insurance coverage against illness and accidents before being permitted to register for classes. Insurance must be maintained throughout the students' enrollment at the university.
3. Submit proof of [English proficiency](#).
4. Submit additional materials as outlined on the Graduate Admission Services website at [students.asu.edu/graduate/apply](https://students.asu.edu/graduate/apply).
5. Verify that they have the financial resources to cover their expenses during graduate study at ASU. The *Financial Guarantee* form is available through the Graduate College website at [students.asu.edu/graduate](https://students.asu.edu/graduate). In addition to the *Financial Guarantee* form, if ASU is providing an assistantship, an official offer letter must be sent to the Graduate Admission Services office. Similarly, if a governmental entity is funding the student, an official letter from the government must be submitted to the Graduate Admission Services office in addition to the *Financial Guarantee* form.

The I-20 or the DS-2019 (documents needed to obtain a student visa) is issued only after the completed and properly verified **Financial Guarantee** form, proof of [English proficiency](#) and supporting documents have been received by the office of Graduate Admission Services. International students may enroll at ASU only if they have been admitted to a degree program or the post-baccalaureate teacher education program. International students must be enrolled in a graduate degree program to enroll in an in-person certificate program. International students may enroll in an online certificate program without enrolling in a degree program. After arrival in the U.S., students need to complete the online SEVIS check-in.

Applicants residing in the U.S. on a valid visa must provide proof of a current visa. Enlarge the image and fax the copy to 480-965-5158.

### English Language Requirement

English proficiency is required for all students that wish to enter an ASU graduate program. There are several ways to meet the English proficiency requirement:

- ✦ [TOEFL](#) score of at least 550 (PBT) or 80 (iBT). The TOEFL is administered by TOEFL/TSE Services. ASU's institutional code is 4007. ASU accepts only electronic copies of the TOEFL score report.
- ✦ [IELTS](#) overall band score of at least 6.5. The IELTS is administered by the University of Cambridge. No institutional code is needed.
- ✦ [Pearson](#) Test of English (PTE) score of at least 60. The PTE is administered by Pearson.

**Individual academic units may have higher requirements for English proficiency.** Consult the academic unit's website. English proficiency is only valid for two years and must be taken within two years from the beginning of the semester for which the student applied.

Some applicants are exempt from the English proficiency requirement. The following exceptions must be met exactly to be considered for an exemption:

- ✦ Applicants who are U.S. Citizens or U.S. Permanent Residents
- ✦ Applicants who have earned a bachelor's degree or higher from a regionally accredited college/university in the United States.
- ✦ Applicants who have earned the equivalent of a U.S. bachelor's degree or higher from an international institution that is officially recognized by that country, and the country is on the ASU English Speaking Country and Territory List. (official transcript required)
- ✦ Applicants who have earned the equivalent of a U.S. bachelor's degree or higher from an international institution that is officially recognized by that country, and the sole medium of instruction for the program was in English (official transcript required). Student should email [gograd@asu.edu](mailto:gograd@asu.edu) to request exemption and include a letter from the institution on letterhead indicating language of instruction or provide information on the institution website to verify language of instruction.
- ✦ Applicants who have completed at least 9 semester hours of graduate coursework with a cumulative GPA of 3.0 (on a 4.0 scale) or higher at a regionally accredited college/university in the United States or from an international institution that is officially recognized in that country and is on the ASU English Speaking Country and Territory List. (official transcript required)
- ✦ Applicants who have completed at least 90 semester hours of undergraduate coursework with a cumulative GPA of 3.0 (on a 4.0 scale) or higher in residence at a regionally accredited college/university in the United States. (official transcript required)
- ✦ Applicants who have completed ASU Global Launch's in-person International Graduate Preparation Program (IGPP) at ASU with grades of "B" or better.
- ✦ Applicants who have completed Global Launch's English for Graduate Admission online course with 80% or better.
- ✦ Applicants who have a U.S. High School Diploma. (official transcript required)
- ✦ Applicants who attended an English speaking university.

All international applicants from countries where the native language is not English must pass an examination that certifies their skill in speaking English before applying for teaching assistantships. Please follow this link to the International Teaching Assistant website for information on how to fulfill this requirement: <https://learnenglish.asu.edu/international-teaching-assistant>. Departmental requirements may differ so it is recommended that applicants contact their departments for specific details.

## Non-Degree Programs

Applicants who do not immediately intend to pursue a graduate degree may apply as non-degree seeking students at [students.asu.edu/graduate/nondegree](https://students.asu.edu/graduate/nondegree). The application process does not require the submission of academic credentials or test scores.

Non-degree applicants must have earned a bachelor's degree or higher from a U.S. regionally accredited institution or the equivalent of a U.S. bachelor's or graduate degree from an international institution that is officially recognized by that country.

There is no limit to the total cumulative credit hours students can take as non-degree students. However, to apply the credit hours toward an ASU master's or doctoral degree, students are limited to twelve credit hours taken within three years of admission prior to admission to the degree program.

Non-degree students may not be eligible to enroll in some classes. Contact the academic unit with questions regarding qualification for registration.

Financial aid is not available to non-degree students.

In-person non-degree study is typically not available to international students on F-1 or J-1 visas. For exceptions, prior to applying, you must obtain written approval from your Designated School Official (DSO) granting permission for you to take classes.

## After Applying

After an application has been successfully submitted, applicants receive an email acknowledgement that includes an ASURITE ID and activation code. Applicants should review [MyASU](#) to check on the application status, “Priority Tasks” and “Holds”.

## Admission

A minimum grade point average of 3.00 (scale is 4.00 = “A”) in the last 60 semester hours or 90 quarter hours of undergraduate coursework is required to be considered for admission to an ASU graduate degree program.

Academic units submit recommendations regarding admission decisions to Graduate Admission Services; only the Dean of the Graduate College can make formal offers of admission.

Applicants monitor the status of their application through MyASU. If admitted, the formal letter of admission can be downloaded from MyASU. If denied admission, letters are sent via email to the address on record.

Students may apply to programs that are both campus based immersion programs, as well as online-based digital immersion, but if admitted to both they must choose their preferred modality.

## Admission Types

- ✦ ***Regular Admission:*** Applicant satisfies all requirements for admission and is academically acceptable to both the degree or certificate program and the Graduate College.
- ✦ ***Provisional Admission:*** Applicant does not meet minimum academic standards with respect to grade point averages as required by Graduate College and the academic unit, but has additional evidence to suggest the potential for success. This status provides the academic unit with an opportunity to better evaluate the student’s academic potential. Students have a maximum of one academic year to satisfy the provisional condition. **The Graduate College will withdraw students from the degree or certificate program who have not met the provisions of their admission within the required timeframe.**
- ✦ ***Regular Admission with Deficiencies:*** Applicant’s grades and test scores are at an acceptable level but applicant does not have the academic background expected by the degree or certificate program and the university. Monitoring deficiency completion is the responsibility of the academic unit.

## Defer Admission

Students may, with the recommendation of the degree program, defer their initial semester and year of admission to the next semester for which the degree or certificate program is admitting students. No further deferrals are allowed.

## International Student Admission

International students planning to attend ASU on an F-1 student visa or a J-1 exchange visitor visa must provide documentation required by the United States Citizenship and Immigration Services. Visa documents are only issued for international students enrolled in a degree program or the post baccalaureate teacher education program. There are strict regulations regarding when an I-20 or DS-2019 can be issued. Detailed information may be found at: [students.asu.edu/international/immigration](https://students.asu.edu/international/immigration).

## Registration and Enrollment

All students are required to have proof of measles immunizations on file with [Student Health](#) prior to registration.

Graduate students register through MyASU according to their enrollment appointment. Details regarding registration and course drop/add procedures are provided in the [Registration and Tuition Payment Guide](#).

## Enrollment Verification Guidelines

The University's Registrar's Office will verify student enrollment each semester according to the general guidelines that follow.

### Enrollment Verification Guidelines for Graduate Students

	Full Time*	Half Time	Less Than Half Time
<b>Regular Semester</b>			
Graduate	9 or more hours	5-8 hours	4 or fewer hours
Graduate Assistant**	6 or more hours	--	--
<b>Six-Week Summer Sessions</b>			
Graduate	3 or more hours	2 hours	1 hour
Graduate Assistant**	2 or more hours	1 hour	--
<b>Eight-Week Summer Session</b>			
Graduate	5 or more hours	3-4 hours	2 or fewer hours

\*Audited courses do not count toward full-time enrollment

\*\*For enrollment verification purposes, "Graduate Assistant" is a generic term that includes Teaching Assistants, Research Assistants, Teaching Associates and Research Associates. **Academic units may have specific requirements regarding registration requirements for Graduate Assistants; students should consult with their degree program unit.**

**International F-1 and J-1 students are required to maintain full-time enrollment status.** Any exception to full-time enrollment must be previously approved by the [International Student and Scholars Center \(ISSC\)](#).

## Maximum Course Load

The Graduate College does not have a maximum credit hour enrollment policy. It is expected that academic units will set course loads for their students that facilitate academic success.

## Continuous Enrollment

Once admitted to a graduate degree program or graduate certificate program, students must be registered for a minimum of one credit hour during all phases of their graduate education, including the terms in which they are

admitted and graduate. This includes periods when students are engaged in research, conducting a doctoral prospectus, working on or defending theses or dissertations, taking comprehensive examinations, taking Graduate Foreign Language Examinations or in any other way utilizing university resources, facilities or faculty time.

Registration for every fall semester and spring semester is required. Summer registration is required for students taking examinations, completing culminating experiences, conducting a doctoral prospectus, defending theses or dissertations or graduating from the degree program.

To maintain continuous enrollment, the credit hour(s) must:

- ⤴ Appear on the student's *Interactive Plan of Study*, OR
- ⤴ Be research (592, 792), thesis (599), dissertation (799), or continuing registration (595, 695, 795), OR
- ⤴ Be a graduate-level course.

Grades of "W" and/or "X" are not considered valid registration for continuous enrollment purposes. "W" grades are received when students officially withdraw from a course after the drop/add period. "X" grades are received for audit courses. Additionally, students completing work for a course in which they received a grade of "I" must maintain continuous enrollment as defined previously. Graduate students have one year to complete work for an incomplete grade; if the work is not complete and the grade changed within one year, the "I" grade becomes permanent and will remain on the students' transcripts. Additional information regarding incomplete grades can be found at [asu.edu/aad/manuals/ssm/ssm203-09.html](http://asu.edu/aad/manuals/ssm/ssm203-09.html).

## Graduate Appointments

All Graduate Teaching Assistants and Associates (TAs), and Graduate Research Assistants and Associates (RAs) must register for a minimum of six semester hours of appropriate credit during each academic term of their appointment. The six hours cannot include audit enrollment. **Academic units may have specific requirements regarding RA/TA appointments; students should consult with their degree program unit.**

TAs and RAs are treated as residents for tuition purposes. To be eligible for tuition remission, TAs and RAs must be employed a minimum of 10 hours per week (25 percent Full Time Equivalency {FTE}). TAs/RAs working 10-19 hours per week (25-49 percent FTE) receive a 50 percent remission of tuition for the semester or summer session of their employment. TAs/RAs working 20 hours per week (50 percent FTE) do not pay tuition during the semester or summer session of their employment. In addition, the university pays the individual health insurance premium for those TAs and RAs working 20 hours per week (50 percent FTE).

Due to federal regulations, international students on F-1 and J-1 visas are allowed to work a maximum of 20 hours per week while school is in session (fall and spring semesters). International students are allowed to work 40 hours per week during summer sessions with academic unit approval. International students typically are not allowed to seek employment outside the university; students must consult with the International Student and Scholars Center (ISSC).

Detailed information and application procedures regarding Graduate Assistantships can be found at [graduate.asu.edu/financing/tara](http://graduate.asu.edu/financing/tara).

## Leaves of Absence

Graduate students planning to discontinue registration for a semester or more must submit a [Leave of Absence request via their Interactive Plan of Student \(iPOS\)](#). This request must be submitted and approved before the anticipated semester of non-registration. Students may request a maximum of two semesters of leave during



their entire program. Having an approved *Leave of Absence* by the Graduate College will enable students to re-enter their program without re-applying to the university.

**Students who do not register for a fall or spring semester without an approved Leave of Absence are considered withdrawn from the university under the assumption that they have decided to discontinue their program.** Students removed for this reason may reapply for admission to resume their degree program; the application will be considered along with all other new applications to the degree program.

Students with a Graduate College approved *Leave of Absence* are not required to pay tuition and/or fees, but in turn are not permitted to place any demands on university faculty or use any university resources. These resources include university libraries, laboratories, recreation facilities or faculty and staff time.

## Voluntary Withdrawal from ASU

Students who wish to withdraw from their graduate degree or certificate program and the university must complete and submit a [Voluntary Withdrawal form](#). Students must separately complete the appropriate forms with the University Registrar to withdraw from their courses. International students should contact the [International Student and Scholars Center \(ISSC\)](#) before submitting a *Voluntary Withdrawal* form, as it most likely will affect their visa status.

## Voluntary Withdrawal from a Graduate Degree or Certificate Program

Students who wish to transition from one graduate program to another graduate program should complete and submit a [Voluntary Withdrawal form](#). Students should not take this action until they have been admitted to the other graduate degree program.

## Other Types of Withdrawal

There are appropriate circumstances when students may need to withdraw from the university (i.e. medical withdrawal, compassionate leave). The policies for such withdrawals are the same for both undergraduate and graduate students. Types of withdrawals and procedures can be found at: [students.asu.edu/drop-add](http://students.asu.edu/drop-add). For course withdrawals contact the University Registrar's Office.

## Academic Dismissals by the Graduate College

Students who do not comply with Graduate College policies may be withdrawn from their graduate program after review by the Dean of the Graduate College.

In addition, academic units may recommend withdrawal of students from graduate programs for lack of compliance with published departmental policies or lack of satisfactory academic progress. All such recommendations must be submitted to the Graduate College with appropriate documentation (e.g., nature of issue, communications with student). Only the Dean of the Graduate College may withdraw students from a graduate program due to lack of compliance with satisfactory academic progress policies.

Students who have been withdrawn from a graduate program due to lack of compliance with published departmental or Graduate College policies, or lack of satisfactory academic progress are eligible to apply for admission to the same program only after one year has passed from the term of the withdrawal.

Students who have been withdrawn from a graduate program due to an Academic Integrity violation are not eligible for readmission to Arizona State University.

### Grade Point Averages

**GPA (Grade Point Average)** Graduate students must maintain a minimum 3.00 (scale is 4.00 = "A") grade point average (GPA) to maintain satisfactory academic progress and to graduate. The minimum 3.00 GPA must be maintained on all GPA's (Plan of Study (iPOS) GPA, Overall Graduate GPA and Cumulative GPA)

1. The iPOS GPA is calculated on all courses that appear on the student's approved iPOS
2. Cumulative GPA represents all courses completed at ASU during the graduate career.
3. The Overall Graduate GPA is based on all courses numbered 500 or higher that appear on the transcript after admission to a graduate program or graduate non-degree. This includes shared coursework if in an approved accelerated bachelor's/master's program.

Transfer credits and some courses taken in the Sandra Day O'Connor College of Law are not calculated on in the iPOS GPA or the Graduate GPA.

Courses lower than a "C" cannot appear on the iPOS but will be included when calculating the Graduate GPA. Courses with an "I" grade cannot appear on the iPOS.

### Satisfactory Academic Progress

All graduate students are expected to make systematic progress toward completion of their graduate program. This progress includes satisfying the conditions listed below, and achieving the benchmarks and requirements set by the individual graduate programs as well as the Graduate College. If a student fails to satisfy the requirements of their program and/or the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to the Graduate College at which time the Dean of the Graduate College makes the final determination.

Satisfactory academic progress includes:

1. Maintain a minimum 3.00 for all GPAs.
2. Satisfy all requirements of the graduate program.
3. Satisfy the maximum time limit for graduation for the student's graduate program (six years for masters and certificates, ten years for doctoral), see "Time Limit" sections.
4. Successfully pass comprehensive exams, qualifying exams, foreign language exams, and the oral defense of the proposal/prospectus for the thesis or dissertation.
5. Successfully complete the culminating experience.
6. Graduate students must **remain continuously enrolled** in their graduate program. Failing to do so without a Graduate College approved *Leave of Absence* is considered to be lack of academic progress and may result in the Graduate College withdrawing the student from their program. See full *Leave of Absence* rules on page 9.



## Determination of Academic Requirements

Students graduate under the requirements and policies in effect at the semester and year of admission to a graduate degree program. Students that fail to maintain continuous enrollment and are re-admitted to the graduate program, graduate under the degree requirements and policies in effect at the time of the new admission date.

### Master's

A minimum of 30 credit hours of graduate-level coursework including a culminating experience is required for a master's degree, although individual programs may have higher requirements. The culminating experience may be a written comprehensive examination, a capstone course, an applied project, a written portfolio, a thesis or equivalent.

Students that have a capstone or applied project course requirement must receive a grade of "B" or better. Students who fail to achieve a final grade of "B" or better must retake the course and earn a "B" or better to complete the program.

### Doctoral

A minimum of 84 credit hours of graduate-level coursework and a written comprehensive examination are required for a doctoral degree, although individual programs may have higher requirements. Additionally, the Foreign Language Examination, oral comprehensive examination and/or dissertation or equivalent may be required. A written comprehensive examination and prospectus (research proposal) is required for all programs requiring a dissertation.

## The Interactive Plan of Study (iPOS)

The Interactive Plan of Study (iPOS) functions as an agreement between the student, the academic unit and the Graduate College. The iPOS contains certain requirements such as coursework, a committee and a culminating experience which must be included before it can be approved. The academic unit's graduate support staff should be the primary contact for questions regarding iPOS, degree and certificate requirements. The iPOS must be approved by a student's committee, the head of the academic unit, and the Dean of the Graduate College.

To facilitate program completion and shorten time to complete the program, graduate students are encouraged to complete their iPOS in their first semester. Students who have not completed their iPOS by the time they have enrolled for 50 percent of the minimum credit hours required for their degree program will receive a registration hold.

## Coursework

Graduate-level courses are those numbered 500 or higher. All core courses required by a graduate program must be at least 500-level. A maximum of 6 credit hours of 400-level coursework can be included on an iPOS with program approval. 400-level courses taken prior to admission and 400-level courses graded as "Pass/Fail" are not acceptable. Courses with grades of "D", "E", or "W" and audited courses (graded as "X") cannot be included on an iPOS. **Courses applied to a previously awarded degree cannot be included on an iPOS.**

Any course with a grade of Incomplete ("I") must be completed within one calendar year of the end of the scheduled course. If a regular grade is not assigned within the calendar year, the "I" becomes permanent. The

student will have to re-register for the course to receive credit. Additional information regarding incomplete grades may be found at [asu.edu/aad/manuals/ssm/ssm203-09.html](http://asu.edu/aad/manuals/ssm/ssm203-09.html).

Graduate students may register to audit one or more courses with the approval of the supervisory committee chair and the consent of the instructor involved. An audited course does not count toward the minimum number of credits required for international students with visa restrictions, students employed as TA/RAs, or students receiving financial assistance. Courses taken for audit do not satisfy the Graduate College continuous enrollment policy. Undergraduate courses not included on the iPOS do not satisfy the Graduate College continuous enrollment policy.

Master's degree students whose culminating experience is a thesis must include 6 (and only 6) credit hours of 599 Thesis credits on the iPOS. Doctoral students whose culminating experience is a dissertation must include 12 (and only 12) credit hours of 799 Dissertation credits on the iPOS. Thesis and Dissertation credit hours may only receive grades of "Z" (research is in progress), or "Y" (research is satisfactorily complete). Doctoral students may apply up to 30 credit hours of appropriate coursework from a previously awarded master's degree toward their doctoral plan of study with approval of their academic unit and the Graduate College.

## Petitions

A formal request for an exception to any Graduate College policy requires a petition to be completed by the student, and must be approved by the committee chair and the head of the academic unit. The Graduate College office will review the petition and make a final determination.

## ASU Pre-Admission Credit

### Pre-Admission Credits

Credit hours completed at ASU or at another regionally accredited U.S. institution or international institution officially recognized by that country, before the semester and year of admission to an ASU graduate degree program, are considered pre-admission credits. With the approval of the academic unit and the Graduate College office, students may include a maximum of 12 graduate-level credit hours with grades of "B" or better that were not used towards a previous degree. Preadmission credits must have been taken within three years of admission to the ASU degree or certificate program to be accepted.

Accelerated Bachelor's/Master's programs may use a maximum of 12 pre-admission credits which may include up to a maximum of 12 hours shared between the Bachelor's and Master's program. Students in accelerated programs should contact their advisor to ensure proper sharing of credit hours.

Official transcripts must be sent to Graduate Admission Services from the records office of the institution where the credits were earned.

Certain types of graduate credits cannot be transferred to ASU, including credits awarded:

- ✦ By post-secondary institutions that lack candidate status or accreditation by a regional accrediting association, or an equivalent international institution.
- ✦ For life experience.
- ✦ For courses taken at non-collegiate institutions (e.g., government agencies, corporations, and industrial firms).
- ✦ For courses, workshops and seminars offered by other postsecondary institutions as part of continuing education programs.

⤴ For extension courses.

Academic credits earned at institutions other than ASU that base their credit calculation on a different scale from ASU's are subject to conversion before inclusion on the *Interactive Plan of Study*. In all cases, the inclusion of transfer courses on the *Interactive Plan of Study* is subject to approval by the academic unit and the Dean of the Graduate College.

## Graduate Credits Earned by ASU Undergraduate Students

ASU students enrolled in an approved Accelerated Bachelor's/Master's degree program (commonly referred to as 4+1), may share ASU credit hours. Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours. Bachelors/Master's students may earn up to a maximum of 12 graduate credits during their undergraduate degree to be used later towards a master's degree.

An undergraduate degree and a graduate degree may not be awarded during the same term of enrollment. Students must apply, be admitted and registered as graduate students to earn a master's or doctoral degree at ASU.

Students that are not enrolled in an approved Bachelor's/Master's degree program are not eligible to utilize courses earned during the undergraduate degree program for a graduate degree.

## Sandra Day O'Connor College of Law Credit

The Graduate College accepts a numerical grade of 70 or above for courses taken in the ASU Sandra Day O'Connor College of Law as part of an approved *Plan of Study*. These grades are not used in the two GPAs calculated for graduation unless needed, as determined by the Graduate College. The Sandra Day O'Connor College of Law also utilizes a letter grade system for coursework; letter grades are submitted as part of an approved *Plan of Study* and are calculated in the GPAs.

## Repeating ASU Courses

Graduate students (degree or non-degree) may retake any course at ASU; however, all grades are part of the students' permanent academic record, remain on the transcript and are used in all GPA calculations.

## Graduate Foreign Language Examination (FLE)

Graduate programs may require at least a reading level proficiency of a foreign language relevant to the area of study. Students who are required to demonstrate proficiency in a foreign language must pass the [Graduate Foreign Language Examination](#) specific to their particular graduate program. Students must be enrolled for a minimum of one credit hour during the term in which they take the examination.

Students must successfully complete the Foreign Language Examination before taking any required comprehensive examinations or scheduling the final oral defense of the thesis or dissertation. Students may submit a petition to the Graduate College for a re-examination but must pass the examination in no more than three attempts.

# Master's Degree

## Master's Degree Plan of Study (iPOS)

Students must submit an iPOS before completing 50 percent of the credit hours required for their degree program. Students are not eligible to schedule a comprehensive examination or defense without an approved iPOS.

## Master's Degree Minimum Credit Hours

A minimum of 30 semester hours of graduate work is required for a master's degree at ASU. If a thesis is required, 6 (and only 6) of the minimum required credit hours on an iPOS must be 599 Thesis credits. *Interactive Plans of Study* submitted for master's degrees that do not have a thesis requirement cannot include 599 Thesis credits. If an applied project is required, the Applied Project course (XXX 593) must be included on the *Interactive Plan of Study* and requires a grade of "B" or better.

## Master's Degree Maximum Time Limit

All work toward a master's degree must be completed within six consecutive years. The six years begin with the semester and year of admission to the program. Graduate courses taken prior to admission that are included on the *Interactive Plan of Study* must have been completed within three years of the semester and year of admission to the program.

## Master's Degree Supervisory Committee

A master's supervisory committee must be appointed before the student may apply for the comprehensive examination or before the student can register for 599 Thesis credits (if applicable). The committee is appointed by the Dean of the Graduate College upon the recommendation of the head of the academic unit. For programs requiring a thesis or written examination, the supervisory committee is comprised of a minimum of three members, including a chair or two co-chairs.

Tenured/tenure-track faculty may serve as members of a master's graduate supervisory committee, chair or co-chair. The chair of the committee is typically from the student's degree program and should be carefully selected by the students to guide their work. ASU academic professionals or non-tenure accruing faculty with appropriate academic credentials may serve as members or co-chairs on master's committees; they may not serve as chairs of master's supervisory committees.

## Master's Thesis/Thesis Defense

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress" (pg. 11)) prior to scheduling a defense.

To satisfy the research requirement for master's degrees, students are expected to present a thesis that is defended in a public oral examination. Degree programs may have requirements in addition to the thesis (e.g. comprehensive examinations). Students should check with their degree program to confirm requirements. An oral defense of the thesis is required and must be completed to the satisfaction of the supervisory committee. The defense must be scheduled officially with the Graduate College. Defenses that are held without being scheduled with the Graduate College are considered invalid. At least 50% of the committee must be physically present at the oral defense. Students must be physically present at the oral defense of their thesis. A virtual defense option is only available to students in approved online programs. Students must be registered for:

- ⤴ At least one semester hour of credit that appears on the *Interactive Plan of Study*; OR
- ⤴ At least one semester hour of appropriate graduate-level credit, for example: Research (592), Thesis (599), or Continuing Registration (595 or 695); OR

Students who are required to complete a thesis as part of their graduate program must submit their document to the Graduate College for format review. See: <https://graduate.asu.edu/completing-your-degree/format>.

Revisions to the thesis are typical and must be completed in a timely manner. If students are unable to complete revisions to the thesis and submit to UMI/ProQuest by the deadline for the semester in which the defense is held, they must complete the revisions, remain continuously enrolled and present the final document to

UMI/ProQuest within one year of the defense. Failure to do so will require the re-submission of the document for format review and may result in re-defense of the thesis to ensure currency of the research.

## Other Master's Culminating Experiences

A written comprehensive examination, capstone course, applied project or written portfolio is required as a culminating experience in master's programs that do not have a thesis requirement. The Graduate College office requires a written component to the comprehensive examination; academic units may also require an oral component. Students must have an approved iPOS prior to scheduling their comprehensive examination and/or registering for their applied project or capstone course. An applied project requires registration in the Applied Projects course (XXX 593) and requires a grade of "B" or better. A capstone course requires a grade of "B" or better.

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress" pg. 11) in the semester of the culminating experience.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they complete their culminating experience.

## Master's Comprehensive Examination

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress") prior to taking master's comprehensive examinations. Foreign language requirements, if applicable, must be fulfilled before taking the comprehensive examinations.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they take their comprehensive examinations. If the date of defense falls between semesters, the student is required to register for the next available semester.

The master's comprehensive examination must have a written component; however, individual master's degree programs may require an additional oral component of the comprehensive exam for all of their students based on the academic progress policy of the program.

Students must schedule the comprehensive examination with their academic unit. All comprehensive examination results must be reported to the Graduate College office via the students' iPOS immediately upon completion.

Failing the comprehensive examination(s) is considered final unless the supervisory committee and the head of the academic unit recommend, and the Dean of the Graduate College approves, a re-examination. **Only one re-examination is permitted.** A petition with substantial justification for re-examination, endorsed by the members of the students' supervisory committee and the head of the academic unit, must be approved by the Dean for the Graduate College before students can take the examination a second time.

Re-examination may be administered no sooner than three months and no later than one year from the date of the original examination. The Graduate College office may withdraw students from the degree program if the students' petition for re-examination is not approved, or if the students fail to successfully pass the retake of the comprehensive examination(s).

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit.

Students that have received a final result of failure in the comprehensive examination will be recommended for dismissal by the Academic Unit.

## Doctoral Degree

### Doctoral Degree Interactive Plan of Study (iPOS)

Students must submit an iPOS before completing 50 percent of the credit hours required for their degree program. Students are not eligible to apply for the Foreign Language Examination (if applicable), comprehensive examinations, dissertation proposal/prospectus or dissertation defense (if applicable) without an approved iPOS.

### Doctoral Degree Minimum Credit Hours

A minimum of 84 semester hours of graduate work is required for a doctoral degree at ASU. If a dissertation is required, 12 (and only 12) of the minimum required credit hours on an *Interactive Plan of Study* must be 799 Dissertation credits. *Interactive Plans of Study* submitted for doctoral degrees that do not have a dissertation requirement cannot include 799 Dissertation credits. Students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral *Interactive Plan of Study* with approval of the program and supervisory committee and the Dean of the Graduate College.

### Doctoral Degree Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period begins with the semester and year of admission to the doctoral program. Graduate courses taken prior to admission that are included on the iPOS must have been completed within three years of the semester and year of admission to the program (previously awarded master's degrees used on the *Interactive Plan of Study* are exempt).

Any exception to the time limit policy must be approved by the supervisory committee, the head of the academic unit and the Dean of the Graduate College. The Graduate College may withdraw students who are unable to complete all degree requirements and graduate within the allowed maximum time limits.

### Doctoral Degree Supervisory Committee

Upon the recommendation of the head of the academic unit, the Dean of the Graduate College appoints the student's dissertation committee. The committee must be comprised of at least three members, including either a chair or two co-chairs. Doctoral programs may have additional requirements for committee composition. This committee serves as the intellectual guide for students and must approve the research/scholarly focus and substance of the dissertation. The members of the dissertation committee have the necessary knowledge and skills to advise the student during the formulation of the research topic and during the completion of the research and the dissertation.

Dissertation chairs and co-chairs must be approved by the Dean of the Graduate College and each degree program maintains the list of faculty approved by the office for the Graduate College. Most resident faculty at ASU may serve on dissertation committees with the proviso that they have appropriate expertise in the discipline.



All PhD programs have a [Graduate Faculty](#). The Graduate Faculty in a PhD program may also include highly qualified individuals from outside the university who have been approved to serve on committees. Each PhD program maintains the list of faculty approved by the Graduate College to chair or co-chair PhD dissertations. Additional information regarding ASU Graduate Faculty can be found at [graduate.asu.edu/graduate\\_faculty\\_initiative](http://graduate.asu.edu/graduate_faculty_initiative).

Doctoral students (including PhD, DMA, DBH, DNP, DBA, AuD and EdD) are urged to communicate with their academic unit to confirm eligibility of faculty to chair doctorate committees.

The final committee membership must be appointed by the Dean of the Graduate College before the student may apply for comprehensive examinations, defend the dissertation prospectus, and register for 799 Dissertation course credits (if applicable).

## Doctoral Comprehensive Examination

Students must be in good academic standing regarding GPA requirements (see previous section titled “Satisfactory Academic Progress” pg. 11) prior to taking doctoral comprehensive examinations.

When students have essentially completed the coursework on an approved *Interactive Plan of Study*, they must request permission to take the doctoral comprehensive examination. The doctoral comprehensive examination must have a written component; however individual doctoral programs may require an additional subsequent oral component of the comprehensive exam for all of their students based on the academic progress policy of the program. These examination(s) are designed to assess students’ mastery of the field of specialization. Doctoral comprehensive examination(s) are administered by a committee consisting of a minimum of three members.

Foreign language requirements, if applicable, must be satisfied before taking the comprehensive examination(s).

During the fall, spring or summer session that the student takes the comprehensive examination(s), they are required to register for:

- ✦ At least one semester hour of credit that appears on the *Interactive Plan of Study*; OR
- ✦ At least one semester hour of appropriate graduate-level credit, for example: Research (792), Dissertation (799), or Continuing Registration (795); OR

All comprehensive examination results must be reported to the Graduate College office immediately upon completion.

Failing the comprehensive examination(s) is considered final unless the supervisory committee and the head of the academic unit recommend, and the Dean of the Graduate College approves, a re-examination. Only one re-examination is permitted. A petition with substantial justification for re-examination, endorsed by the members of the students’ supervisory committee and the head of the academic unit, must be approved by the Dean of the Graduate College before students can take the examination a second time. Re-examination may be administered no sooner than three months and no later than one year from the date of the original examination.

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit.

Students that have received a final result of failure in the comprehensive examination should be recommended for dismissal by the Academic Unit.

## Doctoral Prospectus Defense

All programs requiring a Dissertation are required to complete a dissertation proposal/prospectus and submit the results to the Graduate College office via the students' *Interactive Plan of Study*. Failure of the doctoral dissertation prospectus oral defense is considered final unless the supervisory committee and the head of the academic unit recommend, and the Dean of the Graduate College approves, a second proposal defense. If a petition is approved, students must submit the new prospectus by the end of six months (the six months begins from the date that the first doctoral dissertation proposal defense was held). If the academic unit does not grant the students permission to retake the proposal defense, or if the students fail to pass the retake of the proposal defense, the Graduate College may withdraw the students from the degree program.

Students are required to register for at least one semester hour of credit that appears on the *Interactive Plan of Study* or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they conduct their doctoral prospectus.

## Doctoral Candidacy

Doctoral students (with specific degree program exceptions approved by the Dean of the Graduate College) achieve candidacy status upon the successful completion of the comprehensive examination(s), the Foreign Language Examination (if applicable), and successfully defending the dissertation prospectus (if applicable). Doctoral students who have been advanced to candidacy are required to maintain continuous enrollment until all degree requirements have been completed and they have graduated.

## Doctoral Dissertation/Dissertation Defense

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress" pg.11) prior to scheduling the defense.

The written doctoral dissertation is based on an original and substantial scholarly work that constitutes a significant contribution to knowledge in the students' discipline. The dissertation research must be conducted during the time of the students' doctoral studies at ASU, under guidance of ASU Graduate Faculty and in accordance with the Graduate College policies and procedures. The composition of the dissertation is defined by the degree program with the approval of the Dean of the Graduate College.

The dissertation research experience culminates in a final oral exam, commonly known as the "dissertation defense." A final public dissertation defense is required. The defense must be scheduled officially with the Graduate College. Defenses that are held without being scheduled with the Graduate College are considered invalid. At least 50% of the committee must be physically present at the oral defense. Students must be physically present at the oral defense of their dissertation. A virtual defense option is only available to students in approved online programs. During the semester that the students defend the dissertation they are required to register for:

- ⤴ At least one semester hour of credit that appears on the *Interactive Plan of Study*; OR
- ⤴ At least one semester hour of appropriate graduate-level credit, for example: Research (792), Dissertation (799), or Continuing Registration (795); OR

Students who are required to complete a dissertation or bound document (DMA's) as part of their graduate program must submit their document to the Graduate College for format review. See: <https://graduate.asu.edu/completing-your-degree/format>.

Revisions to the dissertation are typical and must be completed in a timely manner. If students are unable to complete revisions to the document and submit to UMI/ProQuest by the deadline for the semester in which the defense is held, they must complete the revisions, remain continuously enrolled and present the final document



to UMI/ProQuest within one year of the defense. Failure to do so will require the re-submission of the document for format review and may result in re-defense of the dissertation to ensure currency of the research.

## Other Graduate Educational Opportunities

### Graduate Certificates

The graduate certificate is a programmatic series of linked courses. Graduate certificates facilitate professional growth for people who already hold the baccalaureate degree. For more information on current graduate certificates see the [Graduate Degree and Certificate Search](#) page.

### Certificate Admission

All applications for graduate certificate programs must be submitted through [asu.edu/gradapp](http://asu.edu/gradapp).

### Certificate Requirements

A minimum of 15 semester hours of graduate work is required to complete a graduate certificate. No more than one-fifth (20 percent) of the minimum required credit hours for a graduate certificate may be transferred from another university. All transfer work must meet the Graduate College transfer policies. All coursework used to complete an ASU graduate certificate must be completed within a six-year time limit. Courses at a 400-level may be allowed with prior approval from the appropriate certificate program; however, a minimum of two-thirds of the courses taken to complete the certificate must be at the 500-level or above. No more than 40% of coursework towards the requirements of a graduate certificate can be completed prior to admission to the certificate program. Credit hours earned in a certificate program may also be used towards a degree program, standard preadmission rules apply.

### Awarding of a Graduate Certificate

Students will be eligible for the official posting of the graduate certificate to their transcripts when all applicable coursework has been successfully completed and Graduate College requirements have been met. Students must submit an *Interactive Plan of Study* for the graduate certificate program, and apply for graduation.

### Concurrent Degrees

Students may pursue concurrent degrees, provided the degree programs are graduate level and in different academic areas, with prior written approval from the head of the academic unit for each degree program and the Graduate College. A separate online application is required for each degree program, except in the case of predefined concurrent programs. For concurrent master's programs, a maximum of 20 percent of the minimum total credit hours for the completion of both degrees may be shared. For concurrent programs that include a doctoral program, a maximum of 12 credit hours may be shared. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College has formally approved coordinated degree programs.

Coursework common to both programs must constitute a well-planned and meaningful part of each of the programs and may only include coursework completed after admission to both degree programs. In all cases, the guidelines below must be followed:

1. Students must maintain continuous enrollment as previously defined. Registration in both programs *may* be required each semester. Please see the academic unit for specific satisfactory academic progress and program rules. Leaves of Absence will apply to both programs; students may not be registered for coursework in either program if approved.
2. Graduate credit transferred from another institution may be applied toward only one-degree program.

3. Culminating experiences (e.g. capstone courses, theses, applied projects) and comprehensive examinations cannot be shared between concurrent degree programs.
4. The 30 blanket hours allowed for doctoral programs from a previously awarded master's degree may only be applied to one of the doctoral programs.
5. The maximum time limit for completing degree requirements and graduation apply to each concurrent degree individually (6 years for master's; 10 years for doctoral).

## Master's in Passing (MIP)

Where there is an approved Master's in Passing (MIP) program in place for a doctoral degree, those doctoral students who complete the requirements of the approved MIP may be awarded the related master's degree. Students should check with their doctoral program to see if there is an approved MIP for their degree. Students with an existing master's degree with the same major are not eligible.

Students who include any blanket hours from a previously awarded master's degree on their doctoral *Interactive Plan of Study* are not eligible for a Master's in Passing. All coursework included in an MIP *Interactive Plan of Study* must have been completed after the semester and year of admission to the doctoral program.

## Accelerated Bachelor's/Master's Programs

In a limited number of pre-approved programs, ASU will allow for the simultaneous pursuit of an undergraduate and graduate degree. In such cases, the program must be approved by the Dean of the Graduate College. The students must successfully complete the undergraduate degree and be admitted to the respective graduate program prior to completing 12 credits of graduate coursework. Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours.

Students may not share any credit hours taken as an undergraduate student unless they have been formally admitted to an approved accelerated program.

## Research Considerations

The master's thesis and doctoral dissertation (or equivalent) must be based on original and independent research/creative activity conducted by students, under the guidance of the graduate supervisory committee. The thesis is an introduction to scholarly writing and is intended to create an understanding of theory and methods applicable to one's field. The dissertation should demonstrate the candidates' mastery of research and scholarly methodologies, theory and tools of the discipline. Both the thesis and dissertation should demonstrate the candidates' ability to address a major intellectual problem and to propose meaningful questions and hypotheses, as well as utilize the methods with which to study the proposed research question(s) and related hypotheses, and draw conclusions.

## Supervisory Committees

Students are guided by faculty mentors who advise them through their degree program. Students should identify their advisors early in their graduate career and look to them for guidance in their graduate work. Once students have selected a supervisory committee, the head of the academic unit recommends the supervisory committee to the Dean of the Graduate College who reviews and appoints the Committee. Graduate supervisory committees must consist of a minimum of three individuals, including a chair or two co-chairs.

Faculty Emeriti who meet the Graduate College criteria may serve as members or co-chairs on graduate supervisory committees. They may serve as chairs with the recommendation of the academic unit and approval of the Dean of the Graduate College on a case by case basis. Qualified individuals outside the university, upon the recommendation of the head of the academic unit and approval of the Graduate College, may serve as members of supervisory committees. All such requests must be submitted to the Dean for Graduate College for approval.

## Research Involving Human and Animal Subjects

Theses or dissertations that make use of research involving human or animal subjects must include a statement indicating that the research has been approved by the appropriate university body.

Research involving human subjects conducted under the auspices of Arizona State University is reviewed by the University Human Subjects Institutional Review Board (IRB) in compliance with federal regulations. Documents containing any data collection from human subjects require that applications be submitted to the ASU Office of Research Integrity and Assurance for approval **before** data collection or recruitment of subjects is initiated at [researchintegrity.asu.edu/humans](https://researchintegrity.asu.edu/humans).

Research involving the use of animals conducted under the auspices of Arizona State University is reviewed by the Institutional Animal Care and Use Committee (IACUC) in compliance with federal regulations. Documents containing any data collection from animal research require that applications be submitted to ASU Office of Research Integrity and Assurance for approval at [researchintegrity.asu.edu/animals](https://researchintegrity.asu.edu/animals).

It is very important that students check with their supervisory committee or chair well in advance of data collection to ensure compliance with university regulations regarding the collection of research data. Students who are required to submit their document through Graduate College format review must attach the IRB (or IACUC) approval as an appendix to their document.

## Thesis/Dissertation Defenses

Thesis and dissertation defenses are open to all members of the university community and the general public. The oral defense engages the supervisory committee and the candidate in a critical and analytical discussion of the research and findings of the study, as well as a review of the contribution of the research topic to advancing knowledge in that discipline. The presentation of a thesis or dissertation defense in an open forum fosters a broader awareness of the state of graduate research at ASU, promotes a wider scholarly dialogue among disciplines, and recognizes publicly the scholarly contributions of master's or doctoral candidates.

Defenses must be scheduled through MyASU at least 10 working days in advance of the defense date. It is expected that oral defenses will be held on an ASU campus during regular business hours in order to facilitate student, faculty, and public accessibility. When there are sound educational reasons for holding a defense under different circumstances, contact the Graduate College for approval **before** scheduling the defense.

Students must be physically present at the oral defense of their thesis, dissertation or equivalent document. If, due to unforeseen circumstances, they cannot be physically present, then the oral defense must be rescheduled to another date when they can be physically present. A virtual defense option is only available to students in approved online programs.

It is desirable that all members of a student's supervisory committee be physically present with the student at the final oral defense of a thesis or dissertation. However, there are situations (e.g. faculty travel, faculty emergencies and/or faculty leave) that may necessitate holding a defense with one or more committee member(s) absent. In all cases at least 50% of the committee must be physically present. If a committee member cannot physically attend, they can tele/video conference, or they can appoint a substitute to attend in

their place. The substitute should be a regular faculty member with the academic unit. The supervisory committee chair must be physically present; if there are two co-chairs, one of them may tele/video conference if needed. In either case, please email [grad-gps@asu.edu](mailto:grad-gps@asu.edu) with the student's ID number and the name of the tele/videoconferencing member or with the names of the member who will be absent and the faculty member who will attend as a substitute. This information must be submitted **before** the defense.

## Degree Completion

The final culminating experiences for graduate degrees vary by program. In many master's degree programs a thesis is required, in other programs the culminating experience is an applied project, capstone, written comprehensive exam or portfolio. In all PhD programs, as well as in most professional doctoral programs, dissertations are required. Theses and dissertations are officially documented and archived in the ASU Digital Repository. Theses and dissertations are submitted to UMI/ProQuest, which makes their content available to the public. Information on the dissertation later appears in *Dissertation Abstracts International*. For this reason, all theses and dissertations must undergo Graduate College format review.

### Scheduling a Defense and Format Review

At least 10 working days prior to the planned defense of a thesis, dissertation or equivalent, students schedule the defense through their MyASU. See [Graduation Deadlines](#). Students work with their supervisory committee and the academic unit's graduate support staff to identify a suitable date and reserve a room. When a defense date and location have been identified and the defense has been scheduled through MyASU, students submit a complete draft copy of the thesis/dissertation to be defended by uploading the document to their *Interactive Plan of Study*. The defense will be published on the Graduate College [Master's/Doctoral Defense Schedule](#) website.

The [Format Manual](#) is a comprehensive guide to formatting a thesis, dissertation or equivalent document and it always overrides a style guide if the two conflict. Students must use the *Format Manual* to prepare their thesis/dissertation. Questions regarding the *Format Manual* requirements should be directed to [gradformat@asu.edu](mailto:gradformat@asu.edu).

The Graduate College's [Formatting Tool](#) uses the *Format Manual* guidelines to generate a template into which students can insert their document's text. The formatting tool is designed to help students with the basic format requirements such as margins and spacing, and greatly improves the format review process for students.

### UMI/ProQuest Submission

Students are required to create a new user account specific to the submission of their document, and must use their ASU email address. UMI/ProQuest requires all students to submit a PDF version of their final document. The Graduate College requires that the PDF document is in compliance with the formatting standards presented in the format manual. Students will receive final format approval only after the submitted PDF document has successfully passed a format review. Students have an opportunity to order bound copies of their document for themselves through UMI/ProQuest. The Final Document will also appear archived in the ASU Digital Repository: <https://repository.asu.edu>.

### Graduation

Students must apply for graduation through MyASU in accordance with the University Registrar policies. See [Application for Graduation](#). Students must meet all University and Graduate College degree requirements prior to the conferral of their degree or awarding of their certificate.

The graduation deadlines and procedures are set by the Graduate College and are available online at [graduate.asu.edu/progress/graduation\\_deadlines](https://graduate.asu.edu/progress/graduation_deadlines). Deadline dates vary slightly depending on the calendar year, so students should check them carefully in advance of the semester they plan to defend their thesis/dissertation. It is very important that students become familiar with these deadlines so that graduation can occur during the expected term.

# College Academic Policies

## W. P. Carey School of Business Policies

The W. P. Carey School of Business is one of the largest and highest-ranked business schools in the country, repeatedly lauded by publications like The Wall Street Journal, Financial Times, Princeton Review and U.S. News & World Report. The school is internationally regarded for its leadership in business education, its research productivity and its distinguished faculty that includes a Nobel Prize winner. Students come from all over the world, and among them are dozens of National Merit Scholars.

The school's academic choices are as diverse as they are abundant. Undergraduates can earn a BS in one of nine business disciplines or a BA that combines core business classes with a concentration outside the W. P. Carey school. Its programs of study reflect and respond to the demands of business and industry today and beyond, and the school has dedicated career placement services. The school is located in the heart of the fast-growing Phoenix metropolitan area, which provides opportunities for internships, employment, and networking, and its classes are offered on ASU's Tempe, Polytechnic, West campuses as well as online.

More information is available at [wpcarey.asu.edu](http://wpcarey.asu.edu) [1].

### Academic integrity

#### *Academic dishonesty*

The faculty of the W. P. Carey School of Business follow the guidelines on academic dishonesty in the ASU Student Academic Integrity Policy. A copy of the policy may be obtained online [2].

The W. P. Carey School of Business honor code may be found online [3]. Additional resources and information may be found at the W. P. Carey Academic Integrity website [4].

### Undergraduate policies

#### *Academic standing*

##### **Probation**

All business students, freshman through senior, must maintain a minimum 2.00 GPA for all courses completed at ASU in order to remain in academic good standing. If this standard is not maintained, the student is placed on university academic probation.

Students on university academic probation must see an advisor before further registration and must do one of the following:

1. raise their ASU cumulative GPA to 2.00 or more in order to return to academic good standing
2. obtain a semester GPA of 2.50 with no grade less than a "C" in order to be granted one additional semester on continued college probation, and at the end of the continued college probation must return to academic good standing (with a minimum cumulative ASU GPA of 2.00) to avoid disqualification

**W. P. Carey Continued Probation:** If a student's ASU cumulative GPA is still less than 2.00 at the end of the probationary semester but the student has earned a semester GPA of 2.50 or greater with no grades less than "C", the student will be placed on CONTINUED PROBATION in the subsequent semester. The student will then have only one more semester to raise the ASU cumulative GPA to 2.00 or greater.

**ASU Continued Probation:** If a student's ASU cumulative GPA is still less than 2.00 at the end of the probationary semester but the student has earned a semester GPA of 2.00 or greater with no grades less than "C", the student will be placed on CONTINUED PROBATION with ASU but will be INELIGIBLE to remain in W. P. Carey as a business student. The student will have to change to a major that is not offered through W. P. Carey.

## Disqualification

A student who does not meet college probation requirements is academically disqualified and is not allowed to register in a fall or spring semester at the university. If the student has already enrolled in a future fall or spring semester, the student will be dropped from those courses and the registration will be cancelled. Disqualified students may attend ASU during the summer session only immediately following the semester in which the student is disqualified.

A disqualified student must wait for one year to apply for readmission to ASU, and if the student intends to return to the W. P. Carey School of Business they may do so only after completing the following eight skill courses (or equivalent) with a minimum 3.00 GPA and with no grade less than "C": ACC 231/232, ACC 241/ 242, CIS 105, ECN 211, ECN 212, ECN 221, MAT 210, and MAT 211.

Disqualified students should contact their academic advisor immediately to determine what is needed to earn readmission to the university in the future.

## Advising

W. P. Carey offers undergraduate program academic advising at the Polytechnic, Tempe and West campuses. Students may find personalized advising information and may schedule appointments in advance through Advising SOS [5].

Students are encouraged to schedule appointments each semester to ensure they are making progress toward their degrees. Advising is required for:

- newly admitted students, prior to enrollment for the first term (at orientation)
- freshman students, prior to enrollment for the second term
- seniors, upon completion of 87 or more credit hours
- any student who is off track in regard to eAdvisor tracking requirements
- any student who is on university academic probation
- disqualified students interested in attending ASU in the future

Additional information regarding academic advising is available online [6] or through the W. P. Carey School of Business undergraduate programs office at 480-965-4227.

## Credit/Registration

### Pass/Fail

Business majors may not enroll on a pass/fail basis for any course required for graduation. Pass/fail credits taken at another institution may be petitioned for use, but only if the student can demonstrate proof that the pass grade was equivalent to a "C" (2.00) or more.

### Transfer credit

Credit from other institutions is accepted subject to the following guidelines:

Students planning to take their first two years of coursework at a community college or another four-year college should plan to take business and economics courses that are offered as freshman- or sophomore-level courses for transfer equivalency as supported through the Transfer Guide [7]. Frequently, these lower-division courses are numbered 100 through 299, but can vary based on each transferring institution. A maximum of 30 hours of business and economics courses from community colleges are accepted toward a bachelor's degree in business, and are applied as lower-division credits.

Students may transfer up to nine credit hours of approved upper-division business coursework required for the business degree to ASU. Business courses completed at a two-year college may not be used for upper-division transfer credit in the business core or major. Such courses may be acceptable for general university credit but may not be applicable toward the degree requirements of the major. Courses taught in the upper-division business core must be completed at an accredited four-year institution. Upper-division business course transfer credits will be considered for upper-division business credit in the ASU major only when the course was taken at an AACSB International-accredited school.

Credit is granted for transferred courses deemed equivalent by the W. P. Carey School of Business to corresponding courses in the selected program of study and is subject to grade and ASU resident credit requirements. No grades less than "C" (2.00 on a 4.00 scale) transfer to ASU. To be accepted for credit as part of a degree program in business, all



courses transferred from other institutions must carry prerequisites similar to those of the courses they are replacing at ASU.

## Degree requirements

### Critical requirements

All business students must meet the critical requirements for their majors. Students who are required to follow eAdvisor tracking requirements yet do not comply with the critical requirements are considered off track, and a hold will be placed on their records. These students must work with an advisor to have the hold removed.

Undergraduates in the W. P. Carey School of Business are expected to be strong academically, especially with regard to grades earned in business courses. Careful course planning, in consultation with an academic advisor, will assist in maintaining satisfactory academic performance and progress.

### Concurrent degrees

ASU students **not enrolled in a W. P. Carey School of Business** degree program who wish to pursue a concurrent degree with the business school:

- must be in good academic standing
- must have completed 30 credit hours of college course work
- must meet direct admission criteria [8] for the degree program they wish to pursue

If direct admission requirements have been met, students should file a paper curriculum petition form [9] to request the concurrent degree. Students who do not meet direct admission requirements for business degree programs must complete the Admission Portfolio [10] and be admitted prior to filling out the curriculum petition form. Students are allowed a maximum of two concurrent degree request attempts.

Students **currently enrolled in the W. P. Carey School of Business** who wish to pursue concurrent degrees within the business school:

- must be in good academic standing
- must have completed 30 credit hours of college course work with a grade of “C” (2.00) or greater, including the following skill courses or the equivalents:
  - ACC 231 Uses of Accounting Information I
  - CIS 105 Computer Applications and Information Technology
  - ECN 211 Macroeconomic Principles OR
  - ECN 212 Microeconomic Principles
  - MAT 210 Brief Calculus
  - MAT 211 Math for Business Analysis
- must have completed or currently be enrolled in the following courses or the equivalents:
  - ACC 241 Uses of Accounting Information II
  - ECN 211 Macroeconomic Principles OR
  - ECN 212 Microeconomic Principles
  - ECN 221 Business Statistics

W. P. Carey students who meet the criteria shown above should submit a concurrent degree request [11]. Review and submission times are on the website. W. P. Carey students are unable to change their major status after they are admitted to a concurrent degree program unless they submit a new concurrent degree request. The direct admission criteria only apply to a single major within W. P. Carey; students are not able to freely change majors within their concurrent degree or dual concentration combinations. Students are allowed two concurrent degree request attempts. Current W. P. Carey students wishing to pursue a concurrent degree outside of business should submit a paper curriculum petition form [9] and receive approval from both colleges (e.g., finance and psychology).

## Reinstatement/Readmission

Students seeking readmission after an absence from the university should visit the undergraduate readmission [12] website for further information.



## Other special requirements

### Major proficiency requirements

Students must receive a grade of “C” (2.00) or more in upper-division courses for the major. If a student receives a grade less than “C” (2.00) in any course in the major, the course must be repeated. If a second grade less than “C” (2.00) is received in either an upper-division course in the major already taken or in a different upper-division course in the major, the student is no longer eligible to take additional upper-division courses in that major.

### Student appeal procedure on grades

W. P. Carey School of Business students follow the university policy for student appeal procedure on grades, which may be found at <https://catalog.asu.edu/appeal> [13].

### Admission

Because of the additional requirements for the BS, students who do not meet minimum admission standards will automatically be considered for the BA in the W. P. Carey School of Business. Freshman admission requirements for the BA program are the same as the university's freshman admission requirements. Transfer students who want to be admitted to the BA program must have a 3.00 GPA for all transfer course work and a 3.00 GPA for all ASU coursework and must meet university transfer admission requirements.

## Graduate policies

All graduate students in the W. P. Carey School of Business are required to maintain cumulative, graduate and iPOS GPA's of 3.00 ("B"). Students should see individual graduate degree programs for additional requirements on satisfactory academic progress, probation and disqualification.

### Advising

Advising of graduate students is normally handled by graduate programs support service members. Once admitted, students will meet with a program manager to prepare a plan of study. Students are encouraged to begin discussions with their program managers early in their studies so course work can be geared toward supporting their academic progress. All students, whether in a thesis or nonthesis option, must file a plan of study.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the W. P. Carey School of Business.

**Source URL:** <https://catalog.asu.edu/policies/business>

### Links:

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

[2] <https://provost.asu.edu/academic-integrity>

[3] <https://students.wpcarey.asu.edu/resources/honor-code>

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

[5] <https://wpcarey.asu.edu/sos>

[6] <https://students.wpcarey.asu.edu/degrees-and-advising/advising-overview>

[7] <https://webapp4.asu.edu/transfercreditguide/app/home>

[8] <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/direct-admission-requirements>

[9] <https://students.wpcarey.asu.edu/degrees-and-advising/advising-forms-and-resources/curriculum-petition>

[10] <https://students.wpcarey.asu.edu/getting-started/admissions-portfolio>

[11] <https://apps.wpcarey.asu.edu/apps/portfolioform/index.cfm>

[12] <https://admission.asu.edu/undergrad/readmission>

[13] <https://catalog.asu.edu/appeal>

## Herberger Institute for Design and the Arts Policies

The Herberger Institute for Design and the Arts is built on a combination of disciplines unlike any other program in the nation, comprising schools of art; arts, media and engineering; design; film, dance and theatre; and music; as well as the ASU Art Museum.

The Herberger Institute recommends students contact the Office of Student Success at 480-965-4495 to speak with advising staff regarding any questions about the institute's policies.

### Academic integrity

Academic honesty is expected of all students in all examinations, papers, academic transactions and records. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. The Herberger Institute for Design and the Arts strictly adheres to the ASU Student Academic Integrity Policy. Information about the academic integrity policy can be found at <https://provost.asu.edu/academic-integrity> [1].

### Undergraduate policies

#### *Academic standing*

##### **Probation**

A student in any of the institute's degree programs is placed on university academic probation when he or she fails to maintain a cumulative GPA of 2.00. All Herberger Institute students on academic probation must observe the rules or limitations the institute imposes on probation as a condition of retention and are required to attend mandatory advising appointments in an effort to help them improve their academic standing. Each student is required to complete an academic success contract with their advisor to discuss campus academic resources, plan semester goals and discuss strategies to attain academic success. These meetings continue until the student earns a cumulative GPA of 2.00 or greater.

##### **Continuing probation**

A student already on academic probation and earning a GPA of 2.00 or greater for the term but who is not successful in raising the cumulative GPA to greater than 2.00 will be placed on continuing probation. Continuing probation is meant to acknowledge the student's academic progress while still providing academic support to help the student reach the required 2.00 GPA. A student on continuing probation must continue to attend mandatory advising appointments until the student earns a cumulative GPA of 2.00 or more.

##### **Disqualification**

If the overall GPA is not at the required level and the conditions of probation have not been met after one semester on probation, the student may be subject to disqualification for a minimum of two full academic semesters. Disqualification is exercised at the discretion of the institute and becomes effective on the first day of the fall or spring semester following institute action. A student is notified of the disqualification by the Herberger Institute Office of Student Success and is not allowed to register for a fall or spring semester at the university until reinstated.

##### **Co-enrolled continuing probation program**

Select disqualified students may participate in the Co-enrolled Continuing Probation Program at the discretion of their college or school. Under this program, the student would take UNI 220 Academic Refresher plus one ASU course selected by the student's advisor, and upon completion of the term with a combined semester cumulative GPA of 2.50 the student would be able to continue regular enrollment at ASU. The student would co-enroll at a Maricopa Community College with a schedule selected in consultation with the ASU advisor. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

## **Reinstatement**

A student who has previously been academically disqualified and seeks to return to ASU either for a fall or spring semester (either immediately or after a period of absence) and has met college admission standards is required to seek readmission to the university [2] and reinstatement to the Herberger Institute. Applications for readmission to ASU must be made to Admission Services; the application for readmission automatically generates a letter of appeal for reinstatement to the Herberger Institute for consideration.

All disqualified students should contact the Herberger Office of Student Success [3] regarding procedures and guidance for reinstatement and return to academic good standing. A disqualified student may attend summer sessions at ASU to raise the cumulative GPA. If a cumulative GPA of 2.00 or greater is achieved upon completion of summer coursework, the student may petition the institute for early reinstatement. Applications for readmission to ASU must be made to the admission services office. The possibility of successful reinstatement is enhanced when students follow recommendations and meet established standards for summer coursework or coursework completed at other institutions. All students who are academically disqualified should contact a Herberger Institute advisor to discuss their options.

Also available in the Office of Student Success is information on the college policies and procedures for student grievances with respect to grades [4] and various petitions regarding standards and graduation requirements.

## **Advising**

Undergraduate academic advising is handled as a centralized activity within the institute. Students are encouraged to make appointments through the Herberger Institute Office of Student Success.

Appointments are recommended and should to be scheduled in advance with the lead academic advisor.

There are three ways to schedule an advising appointment:

- Online: Make an advising appointment [5] (preferred)
- Phone: 480-965-4495
- In-person: Design South (CDS), room 101 (M-F, 8 a.m. - 5 p.m.)

More information is available on the advising website: <https://herbergerinstitute.asu.edu/advising> [3].

While the institute provides academic advising, it is ultimately each student's responsibility to fulfill academic and program requirements. Administration of program requirements is the responsibility of the head of the academic unit and the dean.

## **Credit/Registration**

### **Course load**

First-semester freshmen and entering transfer students are not permitted to register for more than 18 credit hours in Session C or nine credit hours in Session A and nine credit hours in Session B. Other students who wish to register for more than 18 hours must meet the academic criteria for an overload petition [6] and work with their academic advisor in the Herberger Office of Student Success. Any petition for an overload in excess of 21 hours (or more than 10 hours in either sessions A or B) must be presented to the advising manager. No student should assume that his or her petition for overload will be granted.

For summer sessions, the maximum course load is 14 credit hours, seven per six-week summer session. Overloads are rarely granted for these sessions and requests must be petitioned to the Herberger Office of Student Success.

### **Audit grade option**

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses.

This grade option may not be changed after the drop/add period.

### **Pass/Fail or credit/no credit**

The only courses accepted toward graduation with a grade of pass/fail or credit/no credit are courses designated by the academic unit as such or internships and field studies.

## **Transfer credits**

While the university accepts credits transferred from other accredited institutions, transfer coursework must be equivalent in content and level of offering. Arts or design transfer credits are not applied to specific degree programs until reviewed and accepted by the appropriate academic units. The Design School and the School of Art require a review of samples of work (portfolio format) from previous studio classes to evaluate some transfer studio credits.

## **Incompletes**

Students are responsible for contacting their course instructors regarding the process of requesting and fulfilling requests for an incomplete. The grade of "I" (incomplete) can only be given by an instructor when a student who is doing otherwise acceptable work is unable to complete a course (e.g., final exam or term paper) because of illness or other conditions beyond the student's control.

To begin the request for a grade of incomplete, a student must obtain the official form at <http://students.asu.edu/forms/incomplete-grade-request> [7]. A completed form must include a justification, a listing of requirements that have not been fulfilled, and a proposed schedule of completion. The instructor reviews the request and determines whether to accept or deny the request. If accepted, the instructor may propose modifications and submit a copy of the request to the appropriate office.

An incomplete in any course that is a prerequisite for sequential courses automatically denies the student enrollment in subsequent courses and could result in the student being administratively dropped from a subsequent course if the student has already enrolled.

The student has one calendar year from the date the grade of "I" is recorded to complete the course. A student does not reregister or pay fees for a course for which an "I" has been received in order to complete the course. Grades of "I" for undergraduate coursework that have been on a student's record for more than one calendar year will be automatically changed to "E."

## **Withdrawals**

University withdrawal regulations apply to all courses. In certain of the institute's degree programs, curricula are modular and sequential, and because space in these programs is limited a student is expected to progress through the curriculum with the class. In order to understand fully all potential repercussions of withdrawal from any courses, the student should discuss their plans with their academic advisor.

## ***Degree requirements***

### **Critical requirements**

All Herberger students must meet the program and critical requirements for their majors. Students who do not comply with the critical requirements are considered off track and their records will be placed on hold; students are required to meet with a Herberger academic advisor to have a hold removed. For more information about critical requirements, students should refer to the corresponding major map.

### **Concurrent degrees**

A student who wishes to obtain concurrent degrees must submit a standards committee petition [8] for review by the Herberger Curriculum and Standards Committee after successfully meeting the following criteria: minimum 3.00 cumulative GPA, successful completion of six credit hours in both programs, and successful admission into both intended programs of study. A student pursuing concurrent degrees within the institute must complete 24 unique credit hours in each major.

### **Change of major**

A current ASU student who wishes to change majors to one of the institute's degrees must have a cumulative ASU GPA of 2.50 or greater. Students wishing to enter a major that requires an audition, interview, milestone or portfolio review may be required to successfully complete this requirement before changing the major.

## Reinstatement/Readmission

Undergraduate degree-seeking students who previously attended ASU in the Herberger Institute for Design and the Arts but have not been enrolled at ASU for one fall or spring semester or no more than two consecutive semesters are eligible to return through quick reentry. Students do not need to submit a new application or application fee, but they must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in a Herberger Institute program are required to apply for readmission through the admission services office.

- Readmission is only considered after a student has remained out of the Herberger Institute for a minimum of two semesters.
- A student is required to supply proof he or she is now capable of successfully completing courses in the discipline by the completion of at least 12 hours of appropriate coursework with a GPA of 2.50 or greater.
- If the readmission request requires a change of major, then admission decisions are made by the college that offers the intended major.
- If a student seeks readmission to his or her previous Herberger Institute major and that major requires a creative review, a new review may be required.
- If readmission is approved within the Herberger Institute, the student returns with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with a Herberger advisor before enrolling in courses at ASU.

## Other special requirements

### Creative reviews

A creative review (audition, interview, milestone, portfolio submission) is required for entrance into many majors in the Herberger Institute. Students should see <https://herbergerinstitute.asu.edu/admissions> [9] for details.

## Graduate policies

Advising is handled as a decentralized activity within the institute. To offer personalized attention, each academic unit establishes its own graduate advising procedures. Students are encouraged to make appointments through the central office of their major discipline. Students should consult their academic unit's website for general information about the programs, admission and advising procedures:

- School of Art: <https://art.asu.edu/> [10]; 480-965-6303
- School of Arts, Media and Engineering: <https://artsmediaengineering.asu.edu/> [11]; 480-965-9438
- The Design School: <https://design.asu.edu/degree-programs> [12]; 480-965-3536
- School of Film, Dance and Theatre: <https://filmdancetheatre.asu.edu/> [13]; 480-965-5337
- School of Music: <https://music.asu.edu/> [14]; 480-965-3371

Students must fulfill all requirements of their graduate program to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Herberger Institute for Design and the Arts.

**Source URL:** [https://catalog.asu.edu/policies/design\\_and\\_arts](https://catalog.asu.edu/policies/design_and_arts)

### Links:

[1] <https://provost.asu.edu/academic-integrity>

[2] <https://admission.asu.edu/undergrad/readmission>

[3] <https://herbergerinstitute.asu.edu/advising>

[4] <https://designandarts.asu.edu/grievanceprocedure/HerbergerInstituteGrievanceProcedure.pdf>

[5] [https://webapp4.asu.edu/advshed/?acad\\_org=CHIDN](https://webapp4.asu.edu/advshed/?acad_org=CHIDN)

[6] [https://designandarts.asu.edu/students/includes/documents/HIDA\\_Petition\\_for\\_Term\\_Overload.pdf](https://designandarts.asu.edu/students/includes/documents/HIDA_Petition_for_Term_Overload.pdf)

[7] <http://students.asu.edu/forms/incomplete-grade-request>

[8] <https://designandarts.asu.edu/students/undergrad/forms/herberger.php>

- [9] <https://herbergerinstitute.asu.edu/admissions>
- [10] <https://art.asu.edu/>
- [11] <https://artsmediaengineering.asu.edu/>
- [12] <https://design.asu.edu/degree-programs>
- [13] <https://filmdancetheatre.asu.edu/>
- [14] <https://music.asu.edu/>

## Ira A. Fulton Schools of Engineering Policies

The Ira A. Fulton Schools of Engineering educate undergraduate and graduate students, giving them the knowledge, skills and attitudes they need for success in technically oriented careers. The schools provide students with a range of educational opportunities by which they may achieve excellence in the major branches of engineering, computer science, informatics, construction management, aviation, technology, human systems engineering, environmental resource management, and technological entrepreneurship and management.

The Ira A. Fulton Schools of Engineering take pride in their diversity, their economic and cultural heritages, and the quality of their graduates. The schools strive to be integral to the community they serve and a lifelong presence in the lives of those within their compass. The schools' educational and research programs are built around the following principles: entrepreneurship; use-inspired research and scholarship; a focus on the individual; the intellectual fusion of unique and distinct disciplines; social embeddedness in the local, national and international communities; and global engagement.

More information is available at <https://engineering.asu.edu/> [1].

### Ira A. Fulton Schools of Engineering Aspirations

Graduates from any of the schools' programs will possess a solid technological background. Additionally, the Ira A. Fulton Schools of Engineering aspire to develop leaders who are well-read, well-spoken and knowledgeable about current business practices. Experiential education is recognized as a complementary praxis and integral to the overall academic experience. To this end, the schools offer enhanced curricula, special courses and extracurricular activities to enrich the student's stay and to offer every student opportunities to achieve the schools' aspirations.

All the programs within the schools are professional programs, and professionalism is an important component of all the curricula. The schools strive to help students understand and value the various aspects of professionalism, including ethical behavior, a desire for lifelong learning, the ability to communicate with others, and an awareness of how the profession fits into society and impacts it. As the first step in ethics, all students are expected to follow the student code of conduct and rules of academic integrity defined by the university as outlined at <https://provost.asu.edu/academic-integrity> [2].

### Academic integrity

Students enrolled in the Ira A. Fulton Schools of Engineering are required to maintain high levels of integrity and honesty in their academic progress. The ASU Student Academic Integrity Policy is strictly enforced and followed. A student with an alleged violation is required to discuss the violation with the professor. A student charged with a violation of the student academic integrity policy will have the opportunity to appeal the charge and be heard by the Ira A. Fulton Schools of Engineering standards hearing board, which provides recommendations to the dean or the dean's designee. The dean or dean's designee will review the recommendation and render a decision. If the decision is suspension or expulsion, the student may appeal to the Office of the University Provost. Policy information is located at <https://provost.asu.edu/academic-integrity> [2].

The Ira A. Fulton Schools of Engineering have developed and enforce a number of academic standards. These standards are designed to support students and ensure the quality of the schools' graduates.

## Undergraduate policies

### *Academic standing*

#### **Student responsibilities**

Students need to make many decisions as they complete their degrees. While the schools and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help with decision-making, students are expected to take responsibility for their decisions.

### **Ira A. Fulton Schools of Engineering good standing**

Students are expected to select and successfully complete courses that lead to the timely completion of their degree programs. Students are said to be in good standing if they fulfill all the following:

- maintain acceptable GPAs
- enroll and complete critical tracking requirements
- complete courses each semester that are applicable to their degrees

### **University academic warning**

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester (fall or spring) is considered to be in the status of University Academic Warning. If after one term with an academic warning a student still does not achieve the minimum GPA standard of 2.00, the student will be placed on probation for at least one additional term. If a student's minimum GPA first falls below the standard in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

A student with an academic warning is considered in conditional good standing and is permitted to enroll.

Whether a student's status is an academic warning or probation, the student must meet with an academic success specialist to discuss academic success strategies for the subsequent semester and develop a success plan for returning to university academic good standing. At the discretion of the student's college or school, that plan may require successful completion of UNI 220 Academic Refresher/Mindset Connections.

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

There are many reasons why some students do not make satisfactory progress. These students are placed on Ira A. Fulton Schools of Engineering academic probation to ensure they get the extra attention and resources they need that will help them get back in good standing. Working with an academic advisor to plan a strategy for success is crucial. Students may be required to reduce their course loads (13 credit hours maximum), retake courses or even take courses outside of their programs.

To return to academic good standing in the Ira A. Fulton Schools of Engineering, students on probation need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If enrolled in only one course, a grade of "C+" (2.33) or better and a minimum cumulative ASU GPA of 2.00 is required to obtain academic good standing. Students who meet either the semester GPA requirement or the cumulative ASU GPA requirement at the end of their first probationary semester may be continued on probation. Courses completed during summer sessions are not used to reevaluate a student's probationary status.

### **Conditions for Ira A. Fulton Schools of Engineering probation**

A student is placed on college or university probation when specific academic expectations are not met. Some conditions trigger an automatic placement on probation whereas others trigger an automatic review of the student's case to determine if probation is warranted. When a probation review is triggered, the final decision and any conditions of probation are determined at the program level.

Automatic probation is triggered by any of the following:

- two successive semesters with GPAs less than 2.00
- an ASU cumulative GPA less than 2.00

Automatic review (borderline) is triggered by any one of the following:

- a semester with a GPA less than or equal to 2.00
- a cumulative GPA in the major of less than 2.00



### **Ira A. Fulton Schools of Engineering continuing probation**

A student on probation or continuing probation at the university level is placed on college-level continuing probation status when specific academic expectations are not met. When a continuing probation review is triggered, the final decision and any conditions of continuing probation are determined at the college level.

To return to academic good standing in the Ira A. Fulton Schools of Engineering, students on continuing probation need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If enrolled in only one course, a grade of "C+" (2.33) or better and a minimum cumulative ASU GPA of 2.00 is required to obtain academic good standing.

Automatic continuing probation is triggered by any of the following:

- a student on probation does not attain a semester GPA of 2.25 or greater and has a cumulative GPA of at least 2.00 at the end of the probation semester
- a student on probation or continuing probation obtain a semester GPA of 2.25 or greater and has a cumulative GPA less than 2.00

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

Students who are on continuing probation and fail to meet the schools' retention standards become ineligible to continue working toward a degree within the Ira A. Fulton Schools of Engineering.

Ineligibility occurs if the continuing probationary student does any of the following:

- does not attain a semester GPA of 2.25 or greater and has a cumulative GPA of at least 2.00 at the end of the probationary semester
- has already been on probation for two consecutive semesters
- fails to complete any courses appropriate for the degree during each semester

Ineligible students are subject to the following limitations:

- Students who change colleges may not register for courses in the Ira A. Fulton Schools of Engineering unless the courses are required by their new majors.
- Students who register for courses in the Ira A. Fulton Schools of Engineering may be withdrawn from these courses any time during the semester they are registered.

Ineligible students are encouraged to consider these options:

- Students may be eligible to change their majors to other colleges if they are in university academic good standing and have acceptable cumulative GPAs; the acceptable GPA level depends on the number of hours of completed coursework. Students should contact their advisor to determine if this is an option for them.
- Students may take nonengineering courses during summer sessions.
- An ineligible student may apply for readmission to the college after one calendar year.
- Students may request a status review by contacting the Office of Academic and Student Affairs.

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

Students who are on probation or continuing probation and fail to meet the schools' retention standards become disqualified to continue working toward a degree within the Ira A. Fulton Schools of Engineering.

Disqualification occurs if the student on probation or continuing probation does not attain a semester GPA of 2.25 or greater and has a cumulative GPA less than a 2.00 at the end of the probation semester.

Disqualified students are subject to the following limitations:

- A disqualified student is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled.
- A student who has been disqualified may apply for readmission to the college after one calendar year.
- A disqualified student may not attend as a nondegree student.
- If a disqualified student elects to attend another university or two-year college, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a replacement of a grade earned at ASU.

## Advising

Successful completion of a program in the Ira A. Fulton Schools of Engineering requires careful planning. While final responsibility lies with each student for becoming familiar with and understanding academic degree requirements, each program employs professional academic advisors who work with students in setting academic and career goals, understanding school and university policies and procedures, meeting degree requirements, and becoming familiar with sources of academic support within the university. Students may also work with faculty advisors familiar with the chosen fields of specialization. Students should consult their advisors prior to registering each semester. A list of program advisors can be viewed at <https://advising.engineering.asu.edu/> [3].

Students are encouraged to use the eAdvisor tool for academic planning. This service provides critical requirements and major maps, which are individualized student reports that lay out a specific, clear and accurate path to timely completion of each student's intended degree. eAdvisor is accessed at <https://eadvisor.asu.edu> [4].

Many students find it necessary to work while attending ASU. The working student should endeavor to create a careful balance of work and class responsibilities to avoid academic problems. Students should inform their academic advisors of any outside work or activity so that course loads may be adjusted accordingly.

Staff in the Office of Academic and Student Affairs in the Ira A. Fulton Schools of Engineering are available to assist individual students with many different types of advising issues. They work with students to answer general questions about policies and procedures; help with registration transactions; administer the probation, disqualification and readmission processes; oversee disciplinary actions; hear grade grievances; and, assist with other administrative matters.

### Mandatory advising

All first-year students, student athletes and students who are found to be having academic difficulty are required to be advised before they can register for classes, including summer sessions classes. Some programs relax the advising requirement after the first year, so students should consult their academic advisor or review the My Tasks list in My ASU to determine if advising is required.

## Credit/Registration

Students are required to register for courses using one of the university-provided processes. As part of the registration process, the school enforces the following registration restrictions.

### Maximum hours

Students enrolled in undergraduate degree programs in the Ira A. Fulton Schools of Engineering may register for a maximum of 19 credit hours per semester. Any student wanting to register for more than the maximum must submit a college standards petition and have an approval on file prior to registering for the overload.

### Ira A. Fulton Schools of Engineering probationary status

Students who have been placed on academic probation with the Ira A. Fulton Schools of Engineering must meet with their academic advisors and complete their probation success plans. The success plan is designed to assist students in identifying a path to academic success and can be found at [https://advising.engineering.asu.edu/wp-content/uploads/2018/11/Continued\\_Probation\\_Success\\_Plan\\_2017.docx](https://advising.engineering.asu.edu/wp-content/uploads/2018/11/Continued_Probation_Success_Plan_2017.docx) [5]. Students on academic probation with the Fulton Schools may enroll in a maximum of 13 credit hours per semester.

## Degree requirements

### Undergraduate nondegree status

Students who are enrolled in an undergraduate nondegree status in the schools must obtain advising and approval to register from the Office of Academic and Student Affairs before registering each semester.

### Course prerequisites

Students should consult the schedule of classes and the catalog for course prerequisites. Students who register for courses without the designated prerequisites may be withdrawn without their consent at any time before the final examination. Such withdrawal may be initiated by the course instructor, the program chair of the program offering the course or the dean of the college. In such cases, students will not receive monetary reimbursement.

## **Pass/Fail grades**

Students requesting credit for pass/fail courses taken at another institution must file an Ira A. Fulton Schools of Engineering standards petition. Each request is judged on its particular merits.

## **Non-Ira A. Fulton Schools of Engineering students**

Students who are not admissible to programs in the Ira A. Fulton Schools of Engineering and who enroll in another college at ASU may not register for any 300- or 400-level courses in the schools unless the courses are required in their degree programs and the students have the proper course prerequisites.

## **First-year composition requirement**

Completion of the first-year composition requirement is required for graduation. Any student whose written or spoken English is unsatisfactory in any course may be required by the appropriate school director or program chair to take additional course work. The first-year composition requirement is at [https://catalog.asu.edu/ug\\_grad\\_req](https://catalog.asu.edu/ug_grad_req) [6].

## **Concurrent degrees**

Students interested in pursuing a concurrent degree should consider several aspects:

- The degree conferral date occurs when all degree requirements are satisfied for each undergraduate degree program; that is, students receive both degrees at the same time regardless if course work for one degree is completed prior to the other degree.
- Admission criteria, policy for double-counting credits, and other requirements and rules are defined by the school or college offering the degree program.
- Financial aid and scholarship limits apply and may not cover all semesters; therefore, students may need to invest more time and hence more funds, to complete concurrent degrees.

Once a decision is made to pursue a concurrent degree, the process must be set in motion:

- A student pursuing a concurrent degree must meet with both program advisors to learn about degree and graduation requirements of both degree programs and the eligibility requirements for filing a petition. Both advisors should review the graduation plan that outlines courses the student will take each semester.
- The student must file a standards petition form with each respective school or college offering the desired degree programs to request permission to pursue the concurrent degrees. The petition form is available online at [https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions) [7]. The petition form is also available in-person from the program academic advisor.

Petition approvals result in the posting of concurrent degrees in PeopleSoft. If the student later decides to drop one of the degrees, the student should inform the University Registrar Services [8] Graduation Office that they are no longer interested in pursuing concurrent degrees.

## **Change of major**

Students interested in switching majors to one of the programs within the Ira A. Fulton Schools of Engineering must meet the schools' admission requirements for transfer students. This requirement is true for students admitted to ASU as freshmen or transfer students. A change of major is not guaranteed, and students interested in changing majors are encouraged to make an appointment with an advisor in the program of interest to discuss the probability of success and to develop a plan of action to ensure successful advancement to upper-division courses. For admission information, students should visit <https://engineering.asu.edu/admission-requirements/> [9].

Students who were admitted as freshmen into the Ira A. Fulton Schools of Engineering, with the exception of The Polytechnic School, and who have maintained continuous enrollment in any Fulton Schools major may choose to change to any other major within the Ira A. Fulton Schools of Engineering provided they are in good academic standing [10]. Students admitted to the Polytechnic School must meet the transfer admission requirements in order to change to a Fulton Schools major outside of the Polytechnic School.

## **Evaluation of previous coursework**

Transferring from one institution to another or between programs can result in a net loss of credits that count toward the degree. Thus, it is important for students who contemplate transferring into the Ira A. Fulton Schools of Engineering from other institutions, whether community colleges or four-year institutions, to carefully study the requirements of their degree programs to get a sense of which courses may transfer.

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades lower than "C" (2.00) are accepted as transfer credit to meet the graduation requirements of the schools. Credits transferred from a community college or two-year institution are applied only as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools available at <https://admission.asu.edu/transfer> [11].

Some courses taken at ASU or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit with approval of the dean.

## **Currency of coursework**

Courses taken more than five years before admission to degree programs in the Ira A. Fulton Schools of Engineering are not normally accepted for credit in the engineering major, at the option of the program in which the applicant wishes to enroll. However, students still may earn university elective credit or general studies credit for these courses. Courses completed within the five years preceding admission are judged for their applicability to the student's curriculum.

## **General Education Development**

Students admitted to the university after successful completion of a GED examination are directly admitted to the Ira A. Fulton Schools of Engineering Bachelor of Science or Bachelor of Science in engineering program within their majors, provided they meet the minimum ACT or SAT score required for freshman admission to the Ira A. Fulton Schools of Engineering.

## **Graduation requirements**

To qualify for graduation, an Ira A. Fulton Schools of Engineering student must have a minimum cumulative ASU GPA of 2.00 in addition to having a GPA of at least 2.00 for the courses in the major.

## **University graduation requirements**

In addition to program and the Fulton Schools' requirements, students must meet all university graduation requirements. A well-planned program of study enables students to meet all requirements in a timely fashion. Students are encouraged to consult with an academic advisor in planning a program, to ensure they comply with all necessary requirements. University graduation requirements can be found at [https://catalog.asu.edu/ug\\_grad\\_req](https://catalog.asu.edu/ug_grad_req) [6].

## ***Reinstatement/Readmission***

### **Readmission**

Undergraduate degree-seeking students who previously attended ASU in the Ira A. Fulton Schools of Engineering but have not been enrolled at ASU for one fall or spring semester or no more than two consecutive semesters are eligible to return through quick reentry. Students do not need to submit a new application or application fee, but they must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in an Ira A. Fulton Schools of Engineering program are required to apply for readmission through the admission services office. Readmission requests are processed as follows:

1. School of Engineering students seeking readmission to the same program they left and who left ASU with either academic good standing or probation status are readmitted to the degree program they left with the same academic standing they had when they left ASU (i.e., good academic standing or probation).

2. Students seeking readmission to an Ira A. Fulton Schools of Engineering program other than the program they left and who have an ASU GPA of 3.00 or greater are readmitted to the degree program with the same academic standing they had when they left ASU (i.e., good academic standing or probation).
3. Students seeking readmission to an Ira A. Fulton School of Engineering program other than the program they were in when they left ASU with either academic good standing or probation status and who have an ASU GPA less than 3.00 are subject to the process of admission by change of major. These requests for readmission are reviewed on an individual basis. If the request for readmission is approved, the student is readmitted to the new degree program with the same academic standing he or she had when leaving ASU (i.e., good academic standing or on probation).
4. Students seeking readmission to an Ira A. Fulton Schools of Engineering program and who left ASU with either ineligible or disqualified status are subject to review by the Office of Academic and Student Affairs and the program. Readmission is only considered after a student has remained out of the Ira A. Fulton Schools of Engineering for a minimum of 12 months. A student is required to supply proof he or she is now capable of successfully completing courses in the discipline by the completion of at least 15 hours of appropriate course work with a GPA of 3.00 or higher and a cumulative GPA (ASU plus transfer) of at least 2.50. If the readmission request requires a change of major, then the student must complete the review process for admission by change of major. If readmission is approved, the student will return with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with a program advisor before enrolling in courses at ASU.

### *Other special requirements*

#### **Advancing to upper-division courses**

The faculty in the Ira A. Fulton Schools of Engineering have identified a set of critical requirements in the first four semesters of each program whereby performance in these critical requirements is a key component in progressing in the chosen major. These critical requirements include a set of courses and performance levels required in those courses and are outlined on the major maps.

### **Graduate policies**

#### *Policy for maintaining satisfactory academic progress*

A student who has been admitted to a graduate degree program in the Ira A. Fulton Schools of Engineering, with either regular or provisional admission status, must maintain a GPA of 3.00 or greater in all the following:

1. all work taken for graduate credit (courses numbered 500 or higher)
2. coursework in the student's approved plan of study
3. all postbaccalaureate course work taken at ASU (overall GPA)

A student will be placed on academic probation if one or more of the student's GPAs listed above is less than 3.00. Students will be notified by mail when placed on academic probation.

A student will earn academic good standing by obtaining a 3.00 or greater in the GPAs listed above by the time the next nine hours are completed. Coursework such as research and dissertation and any course that is graded with a "Z" (in progress) or "Y" (satisfactory) cannot be included in these nine hours.

A student may be recommended for dismissal from a graduate program if the student fails to increase all the GPAs listed above to 3.00 or greater by the time he or she completes at least nine credit hours as defined in the previous paragraph.

A student may appeal actions concerning dismissal by petitioning the program in which they are enrolled.

Academic units in the Ira A. Fulton Schools of Engineering can expand this policy statement to include additional policy governing the satisfactory academic progress of the students in their graduate programs.

## *Additional graduate policies*

Full details of policies related to graduate students in the Ira A. Fulton Schools of Engineering can be found on each program's Web page. For a list of programs, students should visit <https://engineering.asu.edu>. University policies related to graduate students can be found at <https://graduate.asu.edu> [12].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and they must abide by all university policies including those of the Graduate College and the Ira A. Fulton Schools of Engineering.

**Source URL:** <https://catalog.asu.edu/policies/engineering>

### **Links:**

- [1] <https://engineering.asu.edu/>
- [2] <https://provost.asu.edu/academic-integrity>
- [3] <https://engineering.asu.edu/advising>
- [4] <https://eadvisor.asu.edu/>
- [5] [https://advising.engineering.asu.edu/wp-content/uploads/2018/11/Continued\\_Probation\\_Success\\_Plan\\_2017.docx](https://advising.engineering.asu.edu/wp-content/uploads/2018/11/Continued_Probation_Success_Plan_2017.docx)
- [6] [https://catalog.asu.edu/ug\\_grad\\_req](https://catalog.asu.edu/ug_grad_req)
- [7] [https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions)
- [8] <https://students.asu.edu/contact/office-university-registrar>
- [9] <https://engineering.asu.edu/admission-requirements/>
- [10] [https://catalog.asu.edu/retention\\_standing](https://catalog.asu.edu/retention_standing)
- [11] <https://admission.asu.edu/transfer>
- [12] <https://graduate.asu.edu/>

## School for the Future of Innovation in Society Policies

The transdisciplinary programs and coursework offered by the School for the Future of Innovation in Society focus on the intersections of science, technology, development, innovation and society, enabling students to engage and rethink the social and technical aspects of innovation. They are then able to envision, design and build the futures people would want to inhabit. The transdisciplinary team of faculty has an extraordinary track record of research and service. The faculty members are dedicated to teaching and mentoring students and cultivating the knowledge, skills and dispositions with which the school's graduates will approach and construct the future.

### Academic integrity

At ASU, students are part of an academic community that is engaged in learning and inquiry and based on the quest for truth, thus committing themselves to a path of honesty and integrity. Therefore, it is expected that they integrate that responsibility with their conduct. Students' coursework, research and projects must be original and reflect individual effort and integrity. When in doubt about appropriate conduct, students should consult a faculty mentor to seek clarification. The School for the Future of Innovation in Society has a zero-tolerance policy for any form of academic misconduct. Penalties for unethical behavior range from being placed on academic probation to being dismissed from the program.

The ASU Student Academic Integrity Policy determines all related violations of this policy and will be strictly followed and enforced. A copy of the policy is available at <https://provost.asu.edu/academic-integrity> [1].

### Undergraduate policies

#### *Academic standing*

To be considered in academic good standing in the School for the Future of Innovation in Society, students must have at least a cumulative GPA of 2.00 or higher.

#### **Probation**

Students who do not achieve a 2.00 GPA will be placed on university academic probation and must meet with an advisor to discuss academic success strategies. Students on academic probation will be required to take UNI 220 Academic Refresher. UNI 220 will appear on the students' DARS as a graduation requirement. In addition, students who have fewer than 24 credit hours will be required to participate in the ASU Pathway for Achieving Student Success program [2].

Within one semester, a student on academic probation must do one of the following:

1. Raise the ASU cumulative GPA to 2.00 or greater to return to academic good standing.
2. Obtain a semester GPA of 2.00 or greater to be continued on probation. Students on continued academic probation may continue for as many semesters as needed to achieve academic good standing.

#### **Disqualification**

Students who fail to meet the criteria for continued probation may be disqualified from ASU. Students who have been disqualified may attend summer sessions but not fall or spring sessions until they are qualified to be readmitted.

Once readmitted, the student may be placed on academic probation for at least two semesters. Students on probation will have two semesters to raise their cumulative GPA to meet ASU academic good standing (2.00). Failure to do so will result in disqualification from the university. Students should refer to the School for the Future of Innovation in Society undergraduate handbook for more information.

#### **Academic policy appeals**

Academic appeals regarding school policies should be discussed with the student's academic advisor, and students may be required to submit a petition to the School for the Future of Innovation in Society Undergraduate Programs Committee within the semester of probation or the one immediately following. Some petitions may require a secondary review by the ASU University Undergraduate Standards Committee.

## Academic advising

All students are encouraged to seek advising before registration. Students must follow the calendar published in the registration and tuition payment guide each semester for information and deadlines pertaining to enrollment, adding or dropping classes and withdrawals.

In addition to information provided by an academic advisor, students are expected to read the requirements for the university's General Studies and major degree requirements in their edition of the ASU academic catalog. The ASU academic catalog is the governing source for all degree requirements.

**Advising Information:** <https://sfis.asu.edu/student-life/academic-resources/advising> [3]

### Mandatory advising

The following students in the School for the Future of Innovation in Society must receive advising clearance prior to course registration:

- new and transfer students in their first two semesters of attendance
- readmitted students in their first returning semester
- students on academic probation or continued probation
- students with 87 credit hours or more completed
- students who are off track for graduation
- students who have been disqualified

Students are encouraged to check their advising status requirements each semester before attempting any registration transactions through My ASU [4].

## Credit/Registration

Students enrolling in courses offered by the School for the Future of Innovation in Society are expected to follow the rules and deadlines specified in this catalog and the current registration and tuition payment guide. Students are encouraged to meet with their academic advisor before registration.

### Course load

Students may enroll in a maximum number of 18 credit hours per fall or spring semester, with a maximum number of nine credits taken in session A or session B. Students may enroll in a maximum of 14 credits for a summer session, with no more than seven credits in session A or session B. Any student wishing to enroll in more than the 18 credit hour limit in the fall or spring (or 14 in summer) or more than the nine credit hour limit in an A or B session (or seven hour limit in summer) should first meet with their academic advisor to discuss a course overload.

More details on credit hour limits are available at [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load) [5]. For more details on the petitioning process, students should contact the school's advising office.

### Repeat/Replace policy

Students wishing to repeat courses and possibly replace prior course grades must follow the policy stated in the university's Student Services Manual regarding the number of credit hours that can be repeated and the types of courses that are eligible for a grade replacement.

Students wishing to repeat a course for a third time must petition the School for the Future of Innovation in Society Undergraduate Program Committee. Students should contact the advising office for information.

### Pass/Fail grade options

A grade of "Y" (satisfactory) contributes to a student's earned hours but does not affect the GPA. A failing grade of "E" is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted from the instructor and the School for the Future of Innovation in Society Undergraduate Program Committee.



- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.
- A maximum of 12 hours taken for pass/fail may be counted toward graduation.

**School for the Future of Innovation in Society students may not enroll under the pass/fail option in the following courses:**

- first-year composition requirements
- General Studies requirements
- honors credits
- language proficiency requirements
- major, minor, concentration area or certificate program

**Audit grade option**

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses. This grade option may not be changed after the drop/add period.

***Degree requirements***

All candidates for graduation are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation. All new School for the Future of Innovation in Society freshman students are required to enroll in the FIS 101 course during their first ASU semester.

**Minors**

The school offers a minor in Innovation in Society. Students may not use courses in their minors toward their majors and, similarly, students may not use courses in their majors to fill the requirements of their minors.

**Concurrent degrees**

The School for the Future of Innovation in Society allows students to request approval to pursue a concurrent degree if they:

- have completed at least 30 graded credit hours
- are in good academic standing
- have a minimum GPA of 2.00

Concurrent degrees may not be from the same discipline or have overlap in the core courses required for each major.

Students must earn at least 30 unique credit hours for each degree.

To request a concurrent degree, the student must meet with an academic advisor and fill out the School for the Future of Innovation Standards Petition form [6]. If the second program is outside of SFIS, the student is also required to get approval from the other college or school that offers the concurrent degree program.

**Critical and necessary requirements**

All undergraduate majors at ASU are provided an eight-term course plan, called a major map, which leads them to graduation in four years. School for the Future of Innovation in Society students must meet the critical and necessary requirements listed on their major maps.

A student who does not comply with the critical requirements is off track and will have a hold placed on their record. To have the hold removed, the student will be required to meet with a School for the Future of Innovation in Society academic advisor. For more information about critical requirements, students should refer to the corresponding major map or eAdvisor at <https://eadvisor.asu.edu/> [7].

## Readmission

Students who have been disqualified from ASU may be readmitted when they submit a letter of explanation to the School for the Future of Innovation in Society Undergraduate Program Committee for a fall or spring semester if they complete one of the following:

1. Raise their ASU cumulative GPA to good academic standing (2.00) by taking ASU summer session courses.
2. Complete 12 or more transferable credit hours at a community college or university with no grades less than “C” and a GPA of 2.50 or greater. Courses in which the student failed or received a “D” at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least two semesters. Students on probation have two semesters to raise their cumulative GPA to meet ASU academic good standing (2.00). Failure to do so results in disqualification from the university.

## Graduate policies

The school’s graduate policies are guided by the university policies on graduate studies. For details, students should see <https://graduate.asu.edu/policies-procedures> [8].

### Academic standing

Students are expected to make planned and systematic progress toward completion of their graduate program. This progress includes being in good academic standing and achieving the benchmarks and requirements set by the programs, including additional satisfactory progress policies. Students are responsible for verifying that all these requirements are met as well as any additional requirements concerning satisfactory academic progress, probation and disqualifications.

Students failing to satisfy their graduate program requirements or the benchmarks outlined below may be recommended to the Graduate College for dismissal from their programs. Details are available at <https://graduate.asu.edu/key-policies> [9].

To be in good academic standing, students are required to maintain a minimum 3.00 GPA on all GPAs (plan of study, cumulative and graduate). These include all coursework on their approved interactive plan of study, on all postbaccalaureate course work taken at ASU, and on graduate credit courses (those numbered 500 or higher).

A student with a cumulative GPA less than 3.00 will be placed on academic probation and may be subject to dismissal. If any GPA is less than 3.00, the student must develop, with the advisor, an academic performance improvement plan that includes the conditions and time frames for making satisfactory academic progress in their degree program. The student is considered to be on academic probation until the conditions specified in the academic performance improvement plan are met and GPAs are greater than 3.00. Coursework such as research and dissertation and any course that is graded with a “Z” (in progress) or “Y” (satisfactory) cannot be included in the GPA.

Students must also satisfy the maximum time limit for graduation from the student’s graduate program (six years for master’s degrees and certificates, 10 years for doctorates).

Students must successfully pass any comprehensive exams, qualifying exams, foreign language exams, and an oral defense of the proposal or prospectus for the thesis, dissertation or any other culminating events required for their program.

Students must stay continuously enrolled in their graduate degree program. Failing to do so without a Graduate College-approved request to maintain continuous enrollment is considered to be a lack of academic progress and will lead to automatic dismissal of the student from the graduate program.

## ***Degree requirements***

Each graduate student in the school will be required to file an interactive plan of study by the time they have enrolled for 50 percent of the minimum credit hours required for their degree program. Once admitted, the student will meet with the faculty or program advisors to begin to prepare their plan.

While the ultimate responsibility for understanding the requirements of their respective academic degrees remains with each student, the School for the Future of Innovation in Society provides to students advising services that will help them understand the school's policies and procedures and allow them to set their academic goals.

Students must fulfill all requirements of their individual graduate programs and abide by all university policies, including those of the Graduate College. Full details of policies and procedures related to the school's graduate programs can be found on each program's webpage at <https://sfis.asu.edu/degree-programs> [10].

**Source URL:** <https://catalog.asu.edu/policies/sfis>

### **Links:**

- [1] <https://provost.asu.edu/academic-integrity>
- [2] <https://tutoring.asu.edu/success-programs/pass>
- [3] <https://sfis.asu.edu/student-life/academic-resources/advising>
- [4] <https://my.asu.edu>
- [5] [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load)
- [6] <https://catalog.asu.edu/sites/default/files/attachment/sfisstandardspetition.pdf>
- [7] <https://eadvisor.asu.edu/>
- [8] <https://graduate.asu.edu/policies-procedures>
- [9] <https://graduate.asu.edu/key-policies>
- [10] <https://sfis.asu.edu/degree-programs>

## Thunderbird School of Global Management Policies

Thunderbird School of Global Management is the historic leader in global management education, setting the pace in global organizational management since 1946 with a specialized education that combines the fundamental business core with in-depth studies in global business environments, cross-cultural leadership and applied learning. From its first days as a unique school in the desert, it has grown into the leading school of international business and management. Along the way, it embraced innovation while retaining a clear focus on developing graduates who are ready to make a difference. At no other time in history has there been a greater need for managers who can lead global organizations, work with diverse teams, and integrate far-reaching logistical networks of suppliers, customers and partners.

A Thunderbird education is designed for bold and progressive thinkers in a world of complex, global organizational leadership. The student learning experience will be pragmatic and relevant. From the diverse life experiences of colleagues to intriguing global case studies and applied learning projects that give students hands-on opportunities to put theory into practice, Thunderbird is a unique educational experience.

Graduates join the renowned Thunderbird alumni community with a network of more than 40,000 Thunderbirds living and working in more than 140 countries. Employed at corporate, government and nongovernment entities, Thunderbird alumni make it possible for organizations across the globe to succeed despite rapid and continuous change.

### Academic integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy is strictly enforced for students found in violation of this policy. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. More information is available at <https://provost.asu.edu/academic-integrity> [1].

For more information on graduate specific policies, students should refer to the specific graduate program manual and they should also see <https://graduate.asu.edu/academic-integrity> [2].

### Undergraduate policies

#### Academic standing

To maintain satisfactory academic progress, all students in the Thunderbird School of Global Management must:

1. maintain a minimum 2.00 GPA each semester
2. maintain a minimum 2.00 cumulative GPA

#### Probation

A student is placed on probation at the end of the fall or spring semester if their GPA is less than 2.00.

#### Continuing probation

A student is placed on continuing probation when their cumulative GPA is less than 2.00 for two consecutive semesters but they have shown academic progress.

#### eAdvisor tracking

In addition to being in university good academic standing, all students in the Thunderbird School of Global Management must adhere to ASU critical tracking requirements, per the pertinent major map. Students are off track if they fail to meet ASU critical tracking requirements. For more information on critical tracking courses, students should see <https://webapp4.asu.edu/programs/t5/MajorMaps> [3].

Students who remain in off-track status for two or more consecutive semesters may be required to change majors.

## **Disqualification**

Students are disqualified from ASU if their cumulative GPA remains less than 2.00 for more than two consecutive semesters. Students who are disqualified are not allowed to enroll in the following fall or spring semester.

## **Remediation**

Students are required to meet with an academic advisor if they are placed on probation, continuing probation, off-track status or are at risk for disqualification, at which point an appropriate remediation plan will be discussed.

## **Advising**

Thunderbird School of Global Management is committed to the personal, social and academic experiences of students by providing high quality, student-centered academic advising, ensuring the accuracy and accessibility of information and resources, and partnering with students to help them reach their career goals.

Academic advising is required for the following students:

- All freshman and new transfer students are required to meet with an academic advisor before course registration. Thus, freshmen are required to meet with an academic advisor prior to both their first and second semesters.
- Students not in satisfactory academic standing (i.e., probation, continuing probation, off-track status, disqualification, etc.) are required to meet with an academic advisor to discuss a remediation plan.

Faculty and staff utilize academic status reports to provide student feedback over the course of the academic semester and year. Academic status reports may be used to identify students who are struggling academically or professionally or to recognize students who are exceeding in coursework. Academic advisors and faculty mentors may access ASRs to provide students with valuable insight into performance improvement: <https://students.asu.edu/asrr> [4].

## **Credit/Registration**

### **Course load**

Students are allowed to register for a maximum of 18 credits per semester. To register for more than the maximum allowable, students may petition the Thunderbird School of Global Management Standards Committee through their program director. No student should assume that a petition for overload will be granted. For more information, students should see [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load) [5].

### **Transfer work**

Transfer credits from other institutions may be accepted and applied based on the student's major. Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades less than "C" (2.00) transfer to ASU. Credits transferred from a community college or two-year institution are applied as lower-division credits. The Thunderbird School of Global Management recommends that students work closely with their academic advisor to determine the process for applying pertinent transfer credit hours to their program of study. For more information on the transfer process and a list of the courses transferable to the various degree programs, students should consult their advisor and refer to the ASU transfer tools at <https://admission.asu.edu/transfer> [6].

### **Course prerequisites**

Course prerequisites are established to ensure student success in a course. Students must complete all course prerequisites prior to enrolling in the desired course. Prerequisite overrides may be granted under the following conditions:

- A transfer course has been accepted by advisor to fulfill required course prerequisite.
- A prerequisite override has been granted by an advisor, instructor or other authority.

## Grade of incomplete

A grade of incomplete for a course may be granted by permission of the instructor under the following conditions:

- The student is in good standing academically at ASU.
- The student has completed a substantial portion of the required coursework.
- The student has experienced extenuating circumstances prior to the end of the semester, preventing completion of the course: <https://students.asu.edu/forms/incomplete-grade-request> [7].

If qualified, students have one calendar year to complete course requirements. If requirements are not met per the standards agreed upon with the course instructor after one calendar year, the incomplete will be adjusted to reflect a course failure.

## Pass/Fail grade option

A grade of "Y" (satisfactory) contributes to a student's earned hours but does not affect the GPA. A failing grade of "E" is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted by the instructor and college offering the course.
- The pass/fail option was chosen during initial registration for the course, if available.

Thunderbird students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy first-year composition requirements
- those taken from the student's major, minor or certificate program
- those taken for honors credits
- those counted toward satisfying Thunderbird general studies requirements
- those counted toward satisfying Thunderbird language and culture proficiency requirements

Pass/fail credit taken at another institution may be petitioned for use, but only if the student can demonstrate proof that the pass grade was equivalent to a "C" (2.00) or greater.

## Withdrawal

### Complete session withdrawal information

Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, undergraduate students are required to contact the college or school of their major to facilitate the withdrawal process.

Students must complete the following steps in the order in which they are listed:

1. Fill out a complete session withdrawal form: <https://students.asu.edu/forms> [8].
2. Make an appointment with their advisor, and take the form to the appointment.

ASU has many resources in place to help students. Students may want to consider one or more of the following:

- **withdraw from just one or two classes (course withdrawal)** -- Students may withdraw from a class while remaining enrolled in other classes as long as the withdrawal is completed between the drop/add deadline and the course withdrawal deadline. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements. Students are also encouraged to contact a financial aid representative to consider any impact withdrawing will have on scholarships, grants and loan packages.
- **request a medical or compassionate withdrawal** -- Medical or compassionate withdrawals are available for students withdrawing from one or more classes due to extraordinary personal mental or physical health conditions or the death or serious illness of a family member or close friend. If approved, students are allowed one medical or compassionate withdrawal during their academic career with Thunderbird. For information concerning medical or compassionate withdrawal requests, students should see <https://students.asu.edu/forms/medical-compassionate-withdrawal-request> [9], and they may obtain the form here: <https://students.asu.edu/files/Medical-Compassionate%20Withdrawal%20Request.pdf> [10].
- **seek tutoring or academic support services** --The Student Success Center provides a variety of services to help students become better learners and gain the confidence and skills to achieve their academic goals.

Services include writing centers, math tutoring, subject area tutoring and supplemental instruction. For more information concerning the Student Success Center, students should visit <https://tutoring.asu.edu/student-services/tutoring> [11].

- **make an appointment with ASU's Counseling Services** -- Counseling and mental health services are provided at each of the four ASU campuses. ASU students may seek services at any of the campus counseling centers, regardless of their college affiliation. For more information, students should visit <https://eoss.asu.edu/counseling/location> [12].
- **explore the possibility of an "I" (incomplete) grade**

The following are possible consequences that result from a complete session withdrawal:

- **financial aid** -- Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal of financial aid depends on when the withdrawal is dated and the type of financial aid. More information is at <https://students.asu.edu/financialaid> [13].
- **tuition and refunds** -- The date of a complete withdrawal will determine whether or not a tuition refund will be generated. Students should review the tuition refund policy for more information: <https://students.asu.edu/tuitionrefundpolicy> [14].
- **health insurance** -- Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- **residential life** -- Students who live on campus should contact their residential hall community staff to determine what impact withdrawing will have on their eligibility to live on campus; to complete a license agreement release form; and to arrange an appointment to officially check out. More information is at <https://housing.asu.edu/housing-communities/residential-colleges/casa-de-oro> [15].
- **veteran benefits and certifications** -- Students should contact the appropriate veteran benefits and certifications office to discuss information regarding veterans' educational benefits and military activation. For more information, students should email [w.westvso@asu.edu](mailto:w.westvso@asu.edu) [16] or visit <https://veterans.asu.edu> [17].

For general university withdrawal procedures, students should see <https://students.asu.edu/drop-add> [18].

## *Degree requirements*

### **Undergraduate degree requirements**

All candidates for graduation in the BGM or BS curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division work. A minimum cumulative GPA of 2.00 is required for graduation.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.

To graduate, a student must satisfy the following requirements:

1. ASU 101 or equivalent (freshman students)
2. college proficiency requirements for language
3. university first-year composition and General Studies requirements
4. an additional combined six credit hours of literacy (L) (three hours total) and humanities, arts and design (HU)/social-behavioral sciences (SB) (three hours total) at the upper-division level, in addition to 29 credit hours of General Studies coursework
5. major requirements that involve concentrated course work in one program
6. successful completion of critical-tracking courses as required on the student's major map

For more information regarding eAdvisor tools, students should visit <https://eadvisor.asu.edu> [19].

### **Language proficiency requirement**

Each student is required to demonstrate proficiency in the analysis of language by passing an examination or by completing the courses specified below with a grade of "C" (2.00) or greater in each course. Students considering graduate work after completion of the bachelor's degree should consult with faculty advisors regarding language requirements in their intended areas of study. Students should see the program major map for the specific language requirement and contact the advising office for information on applicable coursework.

The language proficiency requirement may be satisfied through one of the following:

- completion of secondary education at a school in which the language of instruction is not English



- completion of a language course at the intermediate level (202 or equivalent)
- completion of an upper-division course or courses taught in a foreign language, taken in the United States or the relevant country
- completion of six credit hours of upper-division courses that have the global awareness designation (G) or cultural diversity in the U.S. designation (C) in addition to the courses used to meet the university general studies requirements

Students whose native language is not English who choose to take a second language must meet or exceed a TOEFL score of 100 or more to register for a non-English language class in the first or second semesters. All students whose native language is not English may register for a language class in their third semester. The first two semesters of English immersion will solidify their English proficiency before a new language is attempted.

### **Concurrent degrees**

Students who are interested in pursuing concurrent degrees may petition the Thunderbird School of Global Management Standards Committee through their academic advisor:

[https://catalog.asu.edu/sites/default/files/attachment/tbird\\_concurrent\\_degree\\_petition.pdf](https://catalog.asu.edu/sites/default/files/attachment/tbird_concurrent_degree_petition.pdf) [20].

Thunderbird School of Global Management requires that students interested in applying for a concurrent degree meet the following criteria:

1. a minimum cumulative GPA of 3.00
2. a minimum of 12 credit hours of coursework completed in the first major
3. a minimum of nine credit hours of coursework completed in the second major
4. petition for approval to pursue a concurrent degree before the final semester

For more information on degree requirements, students should see <https://students.asu.edu/programs/> [21].

Thunderbird students may pursue minors in other colleges at ASU. Courses used in the minor may not be used in the student's major program: <https://catalog.asu.edu/index.php?q=minors> [22].

### **Readmission**

Undergraduate degree-seeking students are eligible to return through quick reentry if they previously attended ASU but have not enrolled at ASU for one fall or spring semester or no more than two consecutive semesters. These students are not required to submit a new application or application fee, but they must contact a Thunderbird academic advisor to enroll.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in a Thunderbird program are required to apply for readmission through Admission Services:

<https://admission.asu.edu/undergrad/readmission> [23].

Disqualified students must follow the procedures for readmission; requests will be reviewed by the college on a case-by-case basis.

### **Other special requirements**

#### **Grievance policy**

Undergraduate students with grievances pertaining to an enrolled course should first address issues with the course instructor. If an identified grievance is not resolved with the course instructor, the student should next seek resolution through the academic advisor, and lastly from Thunderbird's academic director of undergraduate programs. Finally, if no resolution has been achieved, the student should contact the dean of faculty at Thunderbird School of Global Management.



## Graduate policies

### *Academic progression*

Each graduate program in the Thunderbird School of Global Management adheres to specific academic requirements. Students are strongly encouraged to become familiar with the expectations listed for their respective graduate program as well as review ASU graduate education policies found at <https://graduate.asu.edu/policies-procedures> [24] and in the Thunderbird Student Handbook. Each student should also communicate directly with the program coordinator or academic advisor to ensure a clear understanding of all degree requirements and program expectations. Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and must abide by all university policies including those of the Graduate College and the Thunderbird School of Global Management.

All Thunderbird graduate programs require a minimum cumulative, graduate and iPOS GPA of 3.00. Students should see the individual graduate degree programs for additional requirements on satisfactory academic progress, probation and disqualification.

### *Credit/Registration*

Because of the intensity of the Thunderbird graduate programs, the maximum number of credit hours students may take each semester may be limited. Students should see the Thunderbird Student Handbook for more information.

Students may petition the Thunderbird School of Global Management Standards Committee through their academic director to register for more than the maximum allowable number of credit hours. No student should assume that a petition for overload will be granted.

**Source URL:** <https://catalog.asu.edu/policies/global-management>

#### **Links:**

- [1] <https://provost.asu.edu/academic-integrity>
- [2] <https://graduate.asu.edu/academic-integrity>
- [3] <https://webapp4.asu.edu/programs/t5/MajorMaps>
- [4] <https://students.asu.edu/asrr>
- [5] [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load)
- [6] <https://admission.asu.edu/transfer>
- [7] <https://students.asu.edu/forms/incomplete-grade-request>
- [8] <https://students.asu.edu/forms>
- [9] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>
- [10] <https://students.asu.edu/files/Medical-Compassionate%20Withdrawal%20Request.pdf>
- [11] <https://tutoring.asu.edu/student-services/tutoring>
- [12] <https://eoss.asu.edu/counseling/location>
- [13] <https://students.asu.edu/financialaid>
- [14] <https://students.asu.edu/tuitionrefundpolicy>
- [15] <https://housing.asu.edu/housing-communities/residential-colleges/casa-de-oro>
- [16] <mailto:w.westvso@asu.edu>
- [17] <https://veterans.asu.edu/>
- [18] <https://students.asu.edu/drop-add>
- [19] <https://eadvisor.asu.edu/>
- [20] [https://catalog.asu.edu/sites/default/files/attachment/tbird\\_concurrent\\_degree\\_petition.pdf](https://catalog.asu.edu/sites/default/files/attachment/tbird_concurrent_degree_petition.pdf)
- [21] <https://students.asu.edu/programs/>
- [22] <https://catalog.asu.edu/index.php?q=minors>
- [23] <https://admission.asu.edu/undergrad/readmission>
- [24] <https://graduate.asu.edu/policies-procedures>

## College of Health Solutions

At the pulse of health, the College of Health Solutions is dedicated to developing the health workforce of the future. The college equips students to influence healthier lifestyle choices; develop creative interventions to improve the health of people and populations; analyze and translate large amounts of health data into solutions; maximize the technology, science, business and application of diagnostics; and address the critical and complex needs of the health care system. The college's programmatic focus is on behavioral health, biomedical diagnostics, biomedical informatics, executive education, exercise science, health promotion, health sciences, kinesiology, medical studies, nutrition, population health, public health, the science of health care delivery, and speech and hearing science.

### Academic integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy is strictly enforced, and for students found in violation of this policy possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. More information is available at <https://provost.asu.edu/academic-integrity> [1].

For more information on graduate-specific policies, students should refer to the specific graduate program manual, and they should see <https://graduate.asu.edu/academic-integrity> [2].

#### Procedure:

Any student, staff member or faculty member may report a suspected violation of the university's academic integrity policy. If a student is suspected of violating the academic integrity policy, the individual who suspects the violation will contact the college's Academic Integrity Officer (AIO) to discuss details and proposal of a sanction. The AIO will communicate to the student regarding the alleged violation, giving the student the opportunity to respond. Once an investigation has taken place and a determination made as to whether it is more likely than not that the student did violate the academic integrity policy of the university, the AIO will send communication of the official sanction to the student along with steps by which the student may appeal the decision. If the student decides to appeal, he or she must meet with the AIO to discuss hearing procedures.

After meeting with the AIO following the receipt of the sanction, a student may appeal to the College of Health Solutions Academic Standards and Grievance Committee (CHSASGC). Students should be aware that if an appeal is heard, the CHSASGC could award a sanction more severe than that originally proposed. Students have 10 working days from the date of the meeting with the AIO to initiate an appeal. After the 10 days, the sanction determined by the AIO is imposed and the matter will be closed.

The CHSASGC is a body composed of faculty from across the college and includes one student member. The CHSASGC meets no more than once a month during regular fall and spring semesters but not during summer, winter or the midterm breaks. After hearing the case, the committee deliberates and makes a written recommendation to the dean for her review. The final decision of the dean is communicated to the student and all appropriate parties in writing.

Unless a student successfully appeals the finding that an academic integrity policy violation has occurred, the AIO will maintain a record of the incident and the sanctions on the university database. If students are found to have committed prior academic integrity violations, the intensity of sanctions will increase beyond the level, which might have been warranted by the current offense.

## Undergraduate policies

### Academic standing

The College of Health Solutions adheres to the university policy regarding academic good standing [3]. For students to maintain satisfactory academic progress they must:

1. maintain a minimum 2.00 grade point average (GPA [4]) each semester
2. maintain a minimum 2.00 cumulative GPA

### Exceptions

- Speech and hearing science majors must maintain a 2.80 GPA in ASU critically tracked courses.
- Nutrition (dietetics) students must maintain a 3.00 GPA in critically tracked courses.
- Medical studies students must maintain a 3.00 cumulative GPA.
- Kinesiology students must maintain a 3.00 cumulative GPA.

### Probation

If their GPA is less than 2.00, students are placed on academic probation at the end of fall or spring semester. Students will be allowed to register for one additional semester after meeting with an academic advisor. Students on academic probation must meet with an academic advisor to discuss academic success strategies for the subsequent semester and are required to take UNI 220 Mindset Connections as a graduation requirement. In addition, students who have fewer than 24 credit hours are required to participate in the ASU Pathway for Achieving Student Success program [5].

### Continuing probation

Students are placed on continuing probation when their cumulative GPA is less than 2.00 for two consecutive semesters but they have shown academic progress and not earned less than a "C" in any course in the most recent semester.

### eAdvisor tracking

In addition to being in university good academic standing, all students in the College of Health Solutions must adhere to ASU critical tracking coursework [6], per the pertinent major map. For more information on critical tracking courses, students should review the major map for their degree program. Students are off track if they fail to meet ASU critical tracking requirements for two consecutive semesters. All off-track students will receive a hold requiring them to meet with their academic advisor and set a plan for getting back on track with their degree program.

Students who remain off track for two or more consecutive semesters may be required to change majors to a program that does not have the same critically tracked courses. For example, students not succeeding in chemistry may not change into another major that also critically tracks chemistry courses.

### Disqualification

Students are disqualified from the College of Health Solutions and ASU if their cumulative GPA remains less than 2.00 for two consecutive semesters. Students who are disqualified cannot enroll in classes at ASU for a minimum of two semesters (fall and spring). Disqualified students may take courses during the summer to raise their GPA; however, this does not guarantee reinstatement for the following fall semester. Disqualified students must apply for readmission or reinstatement for the semester they wish to return to the university. The college will not reinstate a student into any major whose purpose is to prepare students for professional school or professional credentialing nor will the college reinstate students into majors where they have failed to complete a required course twice at ASU.

### Remediation

Students are required to meet with an academic advisor if they are placed on probation, continuing probation, off-track status or are at risk for disqualification, at which point an appropriate remediation plan will be discussed.

## Advising

The Student Services Office in the College of Health Solutions is committed to maximizing the personal, social and academic experiences of students by providing high quality, student-centered academic advising, ensuring the accuracy and accessibility of information and resources, and partnering with students to help them reach their career goals in health and the health care industry. Advisors are available to meet with students in each of the undergraduate programs in person, by email and by phone.

Academic advising is required for the following students:

1. All freshman and new transfer students are required to meet with an academic advisor prior to course registration.
2. Students not in satisfactory academic standing (i.e., probation, continuing probation, off-track status, disqualification, etc.) are required to meet with an academic advisor to discuss a remediation plan.

Faculty and staff utilize Academic Status Reports [7] to provide student feedback over the course of the academic semester. The ASRs may be used to identify students who are struggling academically or professionally or to recognize students who are doing well. Academic advisors and faculty mentors may access ASRs to provide students with valuable insight into performance improvement.

In order to be successful in the College of Health Solutions, students are strongly encouraged to be proficient in the basic concepts in writing, math and science. Students are encouraged to use the following resources.

### Tutoring and academic support

Student Success Centers, located on all ASU campuses, offer free academic support resources for all students including:

- tutoring [8] – In-person and online tutoring options are available.
- writing support [9] – Students may receive help with a class writing assignment, a resume and all other writing needs, from structuring a paper to proofreading.
- structured study groups [10] – Classmates get together to discuss concepts, compare notes and share strategies.

ASU Libraries, located on all ASU campuses, offer free online and in-person research support for all students including:

- subject librarians [11] – Research experts in each major are available to work one-on-one, and students are encouraged to make an appointment.
- ask a librarian [12] – Students receive help via chat (24/7), email, phone or by visiting one of the library information desks.
- library guides [13] – Quick access to the best library resources is available online for specific majors, subjects and courses.

### Career services

ASU Career and Professional Development Services [14] offers students, alumni and employers services on four university campuses across the Phoenix metropolitan area. Each location offers services such as career advising, interview and resume preparation, class and group presentations, on-campus recruitment and interviewing space, and recruitment and networking events.

## Credit/Registration

For fall or spring semesters, a minimum full-time course load for an undergraduate student is 12 credit hours. The maximum course load for which a student may register is 18 credit hours during a fall or spring semester, with a maximum of nine credit hours in session A and B, and the load limit may not exceed a total of 18 credit hours for any combination of sessions. A student wishing to register for more than the maximum must petition the college standards committee [15] and must obtain an approved overload prior to registration. The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed a total of 14 credit hours for any combination of sessions.

## **Graduate credits earned by undergraduate students**

ASU undergraduate students who have achieved senior status (cannot be postbaccalaureate) with a cumulative GPA of 3.00 or greater may count up to 12 graduate-level credit hours with grades of “B” or better that were not used toward a previous degree toward their graduate degree at ASU (preadmission credit hours) with the approval of the degree program and the Graduate College. Preadmission credits must have been taken within three years of admittance to the ASU degree program to be accepted.

Accelerated bachelor’s/master’s programs may use a maximum of 12 preadmission credits which may include up to a maximum of 12 hours shared between the programs. Students in accelerated programs should contact their advisor to ensure proper sharing of credit hours. If a student has been accepted to an accelerated degree program, they do not have to petition the standards committee to take the shared courses.

Before registering for a graduate level course, students must petition [15] the College of Health Solutions Standards Committee through the Academic Advising Office for permission to enroll in a specific course.

## ***Degree requirements***

### **Concurrent degrees**

Students at Arizona State University are permitted to pursue concurrent degrees as long as they meet the requirements for both programs and receive permission in advance from the colleges offering their chosen majors. For example, a student in the exercise and wellness degree program may also petition to pursue a degree in Spanish. A student interested in pursuing a concurrent option may petition the College of Health Solutions Standards Committee if both degrees are offered by this college. If the second degree is offered by another college, the standards committees of both colleges must be petitioned separately.

Students earn a separate diploma for each degree. Degrees may not be too closely related.

### **Minimum requirements**

1. sophomore standing or higher
2. minimum 3.00 GPA
3. minimum of 12 hours of coursework completed in the first major
4. minimum of nine hours of coursework completed in the second major
5. minimum of 30 unique hours of coursework in each major

In order to begin the process in the College of Health Solutions, students must petition [15] the college standards committee.

## ***Reinstatement/Readmission***

Disqualified students who have missed a fall or spring semester must follow ASU procedures for readmission [16]. Students are also required to meet with a College of Health Solutions academic advisor prior to course enrollment. Exceptions may apply, including for students on leaves of absence and students who serve in the military. The college will not reinstate a student into any major that is meant to prepare students for professional school or professional credentialing nor will the college reinstate students into majors in which they have failed to complete a required course twice at ASU.

## ***Other special requirements***

### **Clinical requirements**

Some degree programs offered in the College of Health Solutions require clinical training in hospital or ambulatory care settings. These clinical sites may require criminal background checks and proof of medical insurance or proof of immunizations or both.

## Special considerations

### Medical or compassionate withdrawals

Medical or compassionate withdrawals are available for students needing to withdraw from a semester due to a personal mental or physical health condition or the death or serious illness of a close family member. More information concerning medical or compassionate withdrawal requests can be found here [17]. Students must meet specific criteria for a medical or compassionate withdrawal and must be able to provide the college's medical or compassionate withdrawal designee with supporting documentation. Students who are eligible or have questions about eligibility are encouraged to meet with their academic advisor.

### Incomplete grades

The College of Health Solutions requires faculty and students to complete a Request for Grade of Incomplete [18] prior to having an incomplete grade posted for a class. The student requesting the incomplete must be passing, have completed a majority of the coursework and must have had an extenuating circumstance occur that prevents timely completion. If qualified, students have one calendar year to complete course requirements. If requirements are not met per the standards agreed upon with the course instructor after one calendar year, the incomplete grade adjusts to a course failure.

### Military

Students with military or veteran status should utilize the Pat Tillman Veterans Center [19].

### Americans with Disabilities Act (ADA)

The College of Health Solutions is supportive of and compliant with the Americans with Disabilities Act. Reasonable accommodations are made for qualified students. Reasonable accommodation is defined as the provision of an auxiliary aid or modification to the course or program that will allow access to the job duties, the educational process, program and degree, or activity. Students are encouraged to visit the Disability Resource Center [20].

The Americans with Disabilities Act (ADA) 1990 provides comprehensive Civil Rights protection and is designed to remove barriers, which prevent persons with disabilities from accessing the same educational and employment opportunities as persons without disabilities. The law also provides access to public accommodations, state and local government services, transportation, and telecommunications. The Americans with Disabilities Act also prohibits discrimination against a qualified individual with a disability with regard to admission to educational institutions or vocational training programs (public or private); employee compensation; job training; and other terms, conditions and privileges of employment.

### Title IX policy

Title IX of the Education Amendments of 1972 protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. Sexual harassment, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX. ASU does not discriminate on the basis of sex in the employment, education programs or activities it operates. ASU and the College of Health Solutions are committed to providing an environment free from discrimination based on sex and provide a number of resources and services to assist students, faculty and staff in addressing issues involving sex discrimination, including sexual violence. Victims of sexual violence, sexual harassment, and stalking and relationship violence are encouraged to seek support and report the incident.

## Graduate policies

### Academic integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy [2] is strictly enforced for students found in violation. Possible sanctions could include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. For more information, students should refer to the specific graduate program manual.



## *Academic standing*

Each graduate program in the College of Health Solutions adheres to specific academic requirements. Students are strongly encouraged to become familiar with the expectations listed in their respective graduate program manual.

## *Academic advising*

It is important for graduate students in the College of Health Solutions to cultivate the following skills in their development as a health professional:

1. Proactively identify problems and possible solutions.
2. Accept feedback in a positive manner.
3. Modify performance in response to feedback.
4. Communicate with others in a respectful and confident manner.
5. Assume responsibility for learning.

Academic advising at the graduate level is facilitated by graduate support staff located in the Student Success Hub on the 4th floor of the Health North building.

Faculty advisors meet with students in the academic area of concentration.

## *Special considerations*

### **Medical or compassionate withdrawals**

Medical or compassionate withdrawals are available for students needing to withdraw from a semester due to a personal mental or physical health condition or the death or serious illness of a close family member. More information concerning medical or compassionate withdrawal requests can be found here [17]. Students must meet specific criteria for a medical or compassionate withdrawal and must be able to provide the College's medical or compassionate withdrawal designee with supporting documentation. Students who are eligible or have questions about eligibility are encouraged to meet with their academic advisor.

### **Military**

Students with military or veteran status should utilize the Pat Tillman Veterans Center [19].

### **Americans with Disabilities Act (ADA)**

The College of Health Solutions is supportive of and compliant with the Americans with Disabilities Act. Reasonable accommodations will be made for qualified students. Reasonable accommodation is defined as the provision of an auxiliary aid or modification to the course or program that will allow access to the job duties, the educational process, program and degree, or activity. Students are encouraged to visit the Disability Resource Center [20].

The Americans with Disabilities Act (ADA) 1990 provides comprehensive Civil Rights protection and is designed to remove barriers, which prevent persons with disabilities from accessing the same educational and employment opportunities as persons without disabilities. The law also provides access to public accommodations, state and local government services, transportation, and telecommunications. The Americans with Disabilities Act also prohibits discrimination against a qualified individual with a disability with regard to admission to educational institutions or vocational training programs (public or private); employee compensation; job training; and other terms, conditions and privileges of employment.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of the Graduate College and the College of Health Solutions.

### **Title IX policy**

Title IX of the Education Amendments of 1972 protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. Sexual harassment, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX. ASU does not discriminate on the basis of sex in the employment, education programs or activities it operates. ASU and the College of Health Solutions are committed to providing an environment free from discrimination based on sex and provide a number of resources and services to assist students, faculty and staff in addressing issues involving sex discrimination, including sexual violence. Victims of sexual violence, sexual harassment, stalking and relationship violence are encouraged to seek support and report the incident.

**Source URL:** <https://catalog.asu.edu/policies/chs>

**Links:**

- [1] <https://provost.asu.edu/academic-integrity>
- [2] <https://graduate.asu.edu/academic-integrity>
- [3] [https://catalog.asu.edu/retention\\_standing](https://catalog.asu.edu/retention_standing)
- [4] <https://students.asu.edu/gpa-calculator>
- [5] <https://studentsuccess.asu.edu/success-programs/pass>
- [6] <https://eadvisor.asu.edu/>
- [7] <https://students.asu.edu/asrr>
- [8] <https://tutoring.asu.edu/student-services/tutoring>
- [9] <https://tutoring.asu.edu/student-services/writing-centers>
- [10] <https://tutoring.asu.edu/student-services/studygroups>
- [11] <http://lib.asu.edu/librarians>
- [12] <http://lib.asu.edu/help>
- [13] <http://libguides.asu.edu/>
- [14] <https://eoss.asu.edu/cs/>
- [15] <https://chs.asu.edu/students/advising-forms>
- [16] <https://admission.asu.edu/undergrad/readmission>
- [17] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>
- [18] <https://students.asu.edu/files/Incomplete%20Grade%20Request.pdf>
- [19] <https://veterans.asu.edu/>
- [20] <https://eoss.asu.edu/drc>



## Honors - Barrett, the Honors College Policies

Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records, high school class ranking within their graduating class, and their performances on the SAT or ACT. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have unusual life experiences and display significant community involvement. High school GPAs used in the evaluation process are calculated in accordance with the Arizona Board of Regents competency requirements, pursuant to ABOR Policy 2-102.

The Barrett admission application and additional information about the college and its activities are available at <https://barretthonors.asu.edu> [1].

### Undergraduate policies

#### Advising

Barrett students have advisors in their major, an assigned Barrett honors advisor [2], and faculty honors advisors in departments throughout the university. Students are encouraged to stay in regular contact with all these resources and are required to complete mandatory advising sessions with their Barrett honors advisor during the first, second and third year of study. To schedule an appointment with a Barrett honors advisor, call 480-965-9155 (Tempe campus), 602-496-1757 (Downtown Phoenix campus), 480-727-5539 (Polytechnic campus) or 602-543-3410 (West campus).

Students can review honors opportunities in majors at <https://barretthonors.asu.edu> [1]. There are also special prelaw and prehealth advising opportunities for Barrett students. Students should contact the Barrett advising office for more information.

#### Degree requirements

##### Barrett academic course requirements

Honors students must maintain high standards of academic performance and show progress toward completion of graduation requirements in their disciplinary majors and in Barrett.

In order to graduate from Barrett, students must complete the following, which includes 36 credit hours of honors coursework:

1. HON 171 The Human Event and HON 272 The Human Event must be completed in sequence during a student's first two semesters in the college.
2. Thirty additional credit hours of honors coursework must be earned with a letter grade of "C" (2.00) or higher. This may include HON prefix classes, honors sections of classes, honors enrichment contracts or any automatic honors course.
3. Included in the 36 credit hours of honors coursework are at least 18 hours of upper-division or graduate-level honors credits for an earned letter grade of "C" (2.00) or higher, including six credit hours of honors coursework outside the academic major. Students should investigate specialized honors, upper-division tracks within their majors.
4. Those admitted as upper-division transfer students (students who, after high school, completed 48 university credits by the time of planned enrollment in Barrett) must complete HON 370 History of Ideas and 18 hours of upper-division honors coursework, six credits of which must be outside the academic major. Upper-division transfer students are required to complete 21 hours of upper-division honors coursework.
5. Students are required to complete an honors thesis or creative project for at least three credit hours, though some units may allow students to complete six credit hours of thesis or creative project work. The thesis credit hours may be included in the 18 required hours of upper-division honors coursework. The honors thesis or creative project is launched with a prospectus that is due one academic semester before the defense. Prior to enrolling for credit for a thesis or for creative project work, students must complete a required preparatory workshop or course. The final copy of the honors thesis or creative project must be filed by the posted deadline during the student's graduation semester.
6. ASU graduation requirements in an academic major must be met.

7. The student must maintain a cumulative ASU GPA of 3.25 or higher.

Barrett course requirements may be met in a variety of ways. Only courses in which a student receives a grade of “C” (2.00) or higher may be used to meet Barrett requirements.

Those entering the college as lower-division students may take as many as 18 lower-division honors credits, which include HON 171 The Human Event and HON 272 The Human Event, and at least 18 upper-division credits (total honors credits must be 36). HON 171 and HON 272 are transdisciplinary seminars that acquaint students with ideas that form the foundation of a university education and emphasize critical thinking, discussion, and writing.

Those who enter as upper-division students must take 21 upper-division honors credits, including HON 370 History of Ideas taught by an Honors Faculty Fellow. This seminar course introduces students to critical thinking, discussion, and writing in a topical area chosen by the instructor. All students are expected to complete this course during the first semester upon entering Barrett.

Departmental honors-only courses are limited to honors students. Enrollment in these courses is limited. Compared to their nonhonors equivalents, these courses are designed to offer a richer, more complex intellectual experience appropriate to the discipline and the level of the course for all students enrolled. Other disciplinary honors courses group honors students in small cohorts to work on research projects of common interest.

Honors enrichment contracts are available in many departmental courses, allowing honors students to contract with the instructors of designated non-honors courses to earn honors credit by pursuing enrichment activities, which include supplemental sessions with the instructor. Honors enrichment contracts must be filed during the first four weeks of class and be completed during the semester in which the course is offered. The enrichment contract form offers guidelines to aid students and faculty in developing appropriate contracts.

Courses reserved for students in Barrett and that always count for honors credit are those listed in the online ASU Class Search/Course Catalog as course numbers 492 Honors Directed Study, 493 Honors Thesis, and 497 Honors Colloquium; all classes with the HON prefix; and those with a departmental prefix that carry the honors designation.

Departmental courses numbered 492 and 493 are reserved for honors students completing their honors thesis or creative project. A student may enroll for these courses only with approval from the sponsoring academic department and the faculty member who serves as the student’s thesis or creative project director. Course numbers listed in the ASU schedule of classes as 493 fulfill the student’s upper-division literacy and critical inquiry (L) General Studies requirement.

Specific courses carry automatic honors credit. These include ACT 310 Mathematics of Finance, ACT 430 Mathematics of Financial Derivatives, CHE 211 Introduction to Chemical Processing, CEE/CNE 212 Engineering Mechanics II: Dynamics, CEE 486 Integrated Civil Engineering Design, CPI 310 Web-Based Information Management Systems, CSE 230 Computer Organization and Assembly Language Programming, EEE 230 Computer Organization and Assembly Language Programming, ENG 105 Advanced First-Year Composition (any in-person section), FSE 104 EPICS Gold Feasibility and Planning, FSE 150 Perspectives in Grand Challenges for Engineering, GRK 101 Elementary Ancient Greek, LAT 421 Roman Literature, PHY 201 Mathematical Methods in Physics I, and PHY 333 Electronic Circuits and Measurements. Graduate courses, 500 level and above, taught in an in-person format automatically earn honors credit.

For a full list of honors courses, including those that carry automatic honors credit, students should visit the Barrett Signature Courses webpage [3] and review the Honors Courses document.

**Source URL:** <https://catalog.asu.edu/policies/barrett>

**Links:**

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

[2] <https://barretthonors.asu.edu/academics/advising-and-requirements>

[3] <https://barretthonors.asu.edu/academics/honors-courses-and-contracts/signature-courses>

## College of Integrative Sciences and Arts Policies

The College of Integrative Sciences and Arts provides students throughout the university with the knowledge and skills to comprehend and effectively engage the changing world of the 21st century at local, national and global levels. The college offers graduate and undergraduate degree programs that prepare students for a rapidly changing marketplace and offers foundational instruction in humanities, social sciences, mathematics, sciences and professional fields. The college also affords an ASU student who has fewer than 45 college credit hours the opportunity to explore all ASU degrees as an exploratory student.

### Academic integrity

Academic honesty is expected of all students in all examinations, papers, projects, partnerships, internships, academic transactions, and records. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. The College of Integrative Sciences and Arts adheres strictly to the student code of conduct regarding academic dishonesty. A copy of the student code of conduct may be obtained online at <https://provost.asu.edu/academic-integrity> [1].

### Undergraduate policies

#### Academic standing

To be considered in academic good standing in the College of Integrative Sciences and Arts, students must achieve a cumulative GPA of 2.00 or higher.

#### Probation

Students who do not achieve a 2.00 GPA will be placed on university academic probation and must meet with an advisor to discuss academic success strategies. Students on academic probation will be required to take UNI 220 Mindset Connections. UNI 220 will appear on the students' DARS as a graduation requirement. In addition, students who have fewer than 24 credit hours will be required to participate in the ASU PASS [2] program.

Within one semester, a student on academic probation must do one of the following:

1. Achieve a cumulative ASU GPA of 2.00 or higher, to return to academic good standing.
2. Obtain a semester GPA of 2.00 or higher, to be continued on probation. Students on continued academic probation may continue for as many semesters as needed to achieve academic good standing.

#### Disqualification

Students who fail to meet the criteria for continued probation may be disqualified from ASU. Students who have been disqualified may attend summer sessions but not fall or spring sessions.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet ASU academic good standing (2.00). Failure to do so will result in disqualification from the university.

#### Academic policy appeals

Academic appeals regarding college policies or other variances or exceptions should be discussed with the student's academic success specialist, and students may be required to submit a College of Integrative Sciences and Arts Standards Committee petition. Some petitions may require a secondary review by the ASU University Undergraduate Standards Committee. For more details, students should visit [https://cisa.asu.edu/standards\\_petitions](https://cisa.asu.edu/standards_petitions) [3].

#### Academic advising

All students are encouraged to seek advising from their academic success specialist (academic advisor) prior to registration. Students must review the academic calendar [4] each semester for information and deadlines pertaining to enrollment including course adds, drops and withdrawals.

The ASU academic catalog is the governing source for all degree requirements. Students are expected to read the requirements for university general studies, college graduation and major degree requirements. The academic success specialist will provide guidance.

**Advising Information:** <https://cisa.asu.edu/advising> [5]

### **Mandatory advising**

The following students in the College of Integrative Sciences and Arts must receive advising clearance prior to course registration:

- new students in all exploratory tracks
- new students in their first semester of attendance
- readmitted students in their first returning semester
- students on academic probation or continued probation
- students who have been disqualified
- students who are off track for graduation

Students are encouraged to use My ASU to check their advising status requirements each semester before attempting any registration transactions.

### **Credit/Registration**

Students enrolling in courses offered by the College of Integrative Sciences and Arts are expected to follow the rules and deadlines specified in this catalog and the current registration and tuition payment guide. Students are encouraged to meet with their academic success specialists before registration.

### **Course load**

Students may enroll in a maximum number of 18 credit hours per fall or spring semester, with a maximum number of nine credits taken in session A or Session B. Students may enroll in a maximum of 14 credits for a summer session, with no more than seven credits in session A or B. Students may enroll in a maximum of 9 credits for the summer session C (eight weeks).

- First-semester freshmen and entering transfer students are not permitted to register for more than 18 credit hours in the initial 15-week semester or nine credit hours in session A and nine credit hours in session B.
- Any student wishing to enroll in more than the 18 credit hour limit in the fall or spring (or 14 in summer) or more than the nine credit hour limit in an A or B session (or seven hour limit in summer) should first meet with their academic success specialist to discuss a course overload. Some overload requests may require College of Integrative Sciences and Arts standards petition approval.

For more details on credit hour limits, students should visit [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load) [6]. More details on the petitioning process are available at [https://cisa.asu.edu/standards\\_petitions](https://cisa.asu.edu/standards_petitions) [3].

### **Repeat/Replace policy**

Students wishing to repeat courses and possibly replace prior course grades must follow the repeat/replace policy [7] stated in the University Student Services Manual [8] regarding the number of credit hours that can be repeated and the types of courses that are eligible for a grade replacement.

Students wishing to repeat a course for a third time must petition the College of Integrative Sciences and Arts Standards Committee.

### **Pass/Fail grade options**

A grade of “Y” (satisfactory) contributes to a student’s earned hours but does not affect the GPA. A failing grade of “E” is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted from the instructor and college offering the course.
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.

- A maximum of 12 hours taken for pass/fail may be counted toward graduation.

**College of Integrative Sciences and Arts students may not enroll under the pass/fail option in the following courses:**

- first year composition requirements
- major, minor, concentration area, or certificate program
- honors credits
- language proficiency requirements
- general studies requirements

**Audit grade option**

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses. This grade option may not be changed after the drop/add period.

***Degree requirements***

All candidates for graduation are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation. All new College of Integrative Sciences and Arts freshman students are required to enroll in an ASU 101 course during their first ASU semester.

**Minors**

The college offers minors in many of its disciplines. All minors must entail a minimum of 15 hours in the discipline with at least 12 of those hours as upper-division courses.

- Six of the upper-division hours must be taken from courses offered by the College of Integrative Sciences and Arts.
- Students may not use courses in their minors toward major core requirements and, similarly, students may not use courses in their major core requirements to fill the requirements of their minors. Students should see an academic success specialist for more details.
- Some disciplines are too close in content for a student to choose a particular combination of minor and major.

**Concurrent degrees**

The college allows students to request approval from the college to pursue a concurrent degree if they have completed at least 30 graded credit hours with a minimum GPA of 2.00. Concurrent degrees may not be from the same discipline or have overlap in the courses required for each major. Students must earn at least 30 unique credit hours for each degree.

To request a concurrent degree, students must meet with an academic advisor in each degree program and complete a College of Integrative Sciences and Arts Standards Petition form available at [https://cisa.asu.edu/standards\\_petitions](https://cisa.asu.edu/standards_petitions) [3].

**Critical and necessary requirements**

All undergraduate majors at ASU provide an eight-term course plan leading to four-year graduation; it is called a major map. College of Integrative Sciences and Arts students must meet the critical and necessary requirements listed on their major maps.

A student who does not comply with the critical requirements is off track and will have a hold placed on their record, and the student will be required to meet with a College of Integrative Sciences and Arts academic success specialist to discuss their progression toward graduation. For more information about critical requirements, students should refer to the corresponding major map or eAdvisor <https://eadvisor.asu.edu/> [9].

**Exploratory tracks**

All first-year students who choose to become an exploratory student are required to declare an exploratory track in one of four areas:

- exploratory social and behavioral sciences
- exploratory health and life sciences

- exploratory humanities and fine arts
- exploratory math, physical sciences, engineering and technology

Each of these tracks is designed to provide students with introductory courses in a field of choice (e.g., Introduction to Psychology, Introduction to Environmental Design), General Studies education, and elective courses that reinforce student interests. Each exploratory track is composed of a three-semester major map, culminating in the declaration of a major no later than the completion of 45 credit hours.

All exploratory students are required to enroll in a major and career exploration class (UNI 150, 250, or 270) each semester the student remains designated as an exploratory student.

### **Readmission**

Students who have been disqualified from ASU may be readmitted to the College of Integrative Sciences and Arts for a fall or spring semester if they complete one of the following:

1. Achieve a cumulative ASU GPA of 2.00 by taking ASU summer session courses.
2. Complete 12 or more transferable credit hours at a community college or university with no grade lower than a “C” and a GPA of 2.50 or better. Courses in which the student failed or received a “D” at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet the required 2.00 GPA to remain at ASU. Failure to do so will result in disqualification from the university.

### **Graduate policies**

Students should review graduate policies at <https://graduate.asu.edu/policies-procedures> [10].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those established by the Graduate College and the College of Integrative Sciences and Arts.

**Source URL:** <https://catalog.asu.edu/policies/sls>

#### **Links:**

- [1] <https://provost.asu.edu/academic-integrity>
- [2] <https://studentsuccess.asu.edu/success-programs/pass>
- [3] [https://cisa.asu.edu/standards\\_petitions](https://cisa.asu.edu/standards_petitions)
- [4] <https://students.asu.edu/academic-calendar>
- [5] <https://cisa.asu.edu/advising>
- [6] [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load)
- [7] <http://www.asu.edu/aad/manuals/ssm/ssm203-06.html>
- [8] <http://www.asu.edu/aad/manuals/ssm/index.html>
- [9] <https://eadvisor.asu.edu/>
- [10] <https://graduate.asu.edu/policies-procedures>

## New College of Interdisciplinary Arts and Sciences Policies

New College offers interdisciplinary programs built upon the foundation of disciplines such as English, history, philosophy, psychology, sociology, communication, mathematics, biology and statistics. Through unique combinations and innovative partnerships, we offer degrees ranging from forensic science and applied computing, to Latin American studies, interdisciplinary arts and performance, conflict resolution, political science, and much more. Our degrees provide students with 21st century skills, allowing them to contribute meaningfully to solving the most critical challenges of today and tomorrow. Our students are prepared to steward sustainable societies that incorporate ethics and a respect for human rights, a regard for the environment, an appreciation of culture and language, while at the forefront of innovation in science and technology.

For more information, students should see <https://newcollege.asu.edu/> [1].

### Academic integrity

The New College of Interdisciplinary Arts and Sciences adheres to ASU's Student Academic Integrity Policy. Therefore, academic honesty is expected in all areas of student work, including examinations, written work, laboratory assignments, internships, group work and all other necessary transactions. If academic integrity is compromised, possible sanctions include course assignment grade penalties, failure of course, disqualification and dismissal from the university. For more information, students should see <https://provost.asu.edu/academic-integrity/> [2].

### Undergraduate policies

#### *Academic standing*

New College students must achieve a cumulative GPA of 2.00 in order to be considered in good academic standing at ASU. Students with a semester or cumulative GPA of less than 2.00 are placed on academic probation and are required to meet with an advisor to effectively plan academic progress toward graduation. Further information is available at [https://catalog.asu.edu/retention\\_standing](https://catalog.asu.edu/retention_standing) [3].

#### *Advising*

All students in New College are expected to meet with their academic advisors regularly, especially prior to course enrollment each semester.

To ensure students are making timely progress toward degree completion, advising may be required for the following:

- newly admitted students
- freshman students
- students on academic probation
- students off-track for eAdvisor tracking requirements

Advising information for New College is available at <https://newcollege.asu.edu/college-advisor> [4].

For eAdvisor tracking and other general academic program information, students should see <https://students.asu.edu/academics> [5].

#### *Credit/Registration*

##### **Audit grade option**

Students may choose to audit a course, allowing them to attend but not earn credit. Students must obtain instructor approval prior to enrollment (<https://students.asu.edu/grades> [6]). This grade option may not be changed after the drop/add period.

The audit option may be used under the following conditions:

- Approval has been granted from the instructor and college offering the course.
- The audit option is chosen during initial registration for the course.



## Course load

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires completion of overload request form and approval from the college academic advisor: <https://newcollege.asu.edu/advising/forms> [7].

## Course prerequisites

Course prerequisites are established to ensure student success in a course. Students must complete all course prerequisites prior to enrolling in the desired course. Prerequisite overrides may be granted under the following conditions:

- A transfer course has been accepted by an advisor to fulfill required course prerequisite.
- A prerequisite override has been granted by an advisor.

## Grade of incomplete

A grade of incomplete for a course may be granted by permission of the instructor under the following conditions:

- The student is in good standing academically at ASU.
- The student has completed a majority of the required coursework.
- The student has experienced extenuating circumstances prior to the end of the semester, preventing completion of the course; students should see <https://students.asu.edu/forms/incomplete-grade-request> [8].

## Pass/Fail grade option

A grade of "Y" (satisfactory) contributes to a student's earned hours but does not affect the GPA. A failing grade of "E" is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted by the instructor and the college offering the course.
- The pass/fail option was chosen during initial registration for the course, if available.

New College students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy first-year composition requirements
- those taken from the student's major, minor or certificate program
- those taken for honors credits
- those counted toward satisfying New College general studies requirements
- those counted toward satisfying New College proficiency requirements in math or language and cultures

## Academic (Grade) Grievance policy

The following steps must be followed by any student seeking to appeal a grade. This process does not address academic integrity allegations or faculty misconduct.

Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring), regardless of whether the student is enrolled at the university.

There are two stages to the grade grievance process: the informal process and the formal process. Each process contains a series of steps.

### Informal process

Step 1: An aggrieved student must first confer with the instructor; the student must state the reasons for questioning that the grade received was not given in good faith. The instructor must review the matter, explain the grading procedure used and explain how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course.

Step 2: If the grading dispute is not resolved in Step 1, the student may appeal to the school academic director or designee within the school offering the course. The school director or designee may confer with the instructor to handle the problem. In most instances, the grievance procedure can be resolved with Steps 1 or 2 and does not go beyond this level.



Step 3: If the matter is not resolved to the student's satisfaction after completing Steps 1 and 2, the student may then confer with the Dean's representative in the New College of Interdisciplinary Arts and Sciences (Executive Director of Academic Services and Strategic Initiatives at 602-543-7000), who will review the case and explain the formal process to the student. If still unresolved, the student may proceed to the formal process.

### **Formal process**

Step 4: No later than ten business days after meeting with the Dean's representative, the student must provide a written statement stating the evidence, if any, and reasons for determining the grade received was not given in good faith. Supporting materials should be attached as exhibits to the statement.

Step 5: The Dean's representative will provide the student's statement (with any exhibits) to the instructor, and request the instructor to respond to the Dean's representative within ten business days.

Step 6: When the official, written response is received from the instructor, the Dean's representative will contact the student, who can then schedule an appointment to review the instructor's response. After reviewing the instructor's response, the student may submit a written request for a hearing before the New College of Interdisciplinary Arts and Sciences Grievance Committee. This written request for hearing must be submitted no later than ten business days after the Dean's representative notifies the student that the instructor's response was received. The Committee is a regular committee and meets monthly, as necessary, during the fall and spring terms when classes are in session. The Dean's representative serves as a non-voting, ex-officio member of the Committee.

Step 7: The Committee will meet with the student and the instructor in an attempt to resolve differences. In order to preserve the confidential nature of the grade grievance process and to protect the privacy interest of those involved, the hearing will be closed to the public. The Committee Chair will preside at the hearing and will rule upon all procedural matters. A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned the request for a hearing, unless the student can demonstrate that extraordinary circumstances prevented his/her appearance or participation.

Step 8: After all parties have been heard, they will be excused and the Committee will deliberate in closed session. Upon reaching consensus, the Committee Chair will submit his/her recommendation to the Dean of the New College of Interdisciplinary Arts and Sciences. The Dean will review the report and make a final determination regarding the appropriate course of action. The Dean's office will inform the student, instructor, school director, registrar, and grievance committee in writing of the decision. The decision of the Dean is final.

It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the Dean's office in the New College of Interdisciplinary Arts and Sciences.

## **Transfer**

### **Transfer coursework**

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades less than "C" (2.00) transfer to ASU. Credits transferred from a community college or two-year institution are applied as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools: <https://admission.asu.edu/transfer> [9].

Some courses taken from other ASU colleges or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit.

## Withdrawal

### Complete session withdrawal information

Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, undergraduate students are required to contact their academic advisor to facilitate the withdrawal process.

Students must complete the following steps in the order in which they are listed:

1. Fill out a complete session withdrawal form:  
<https://students.asu.edu/sites/default/files/completesessionwithdrawal08102017.pdf> [10]
2. Make an appointment with their advisor, and take the form to the appointment.

ASU has many resources in place to help students. Students may want to consider one or more of the following:

- **Withdraw from just one or two classes (course withdrawal):** Students may withdraw from a class while remaining enrolled in other classes as long as the withdrawal is completed between the drop/add deadline and the course withdrawal deadline. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements. Students are also encouraged to contact a financial aid representative to consider any impact withdrawing will have on scholarships, grants and loan packages.
- **Request a medical or compassionate withdrawal:** Medical or compassionate withdrawals are available for students withdrawing from one or more classes due to extraordinary personal mental or physical health conditions or the death or serious illness of an immediate family member or close relative. For information concerning medical or compassionate withdrawal requests, students should see <https://students.asu.edu/forms/medical-compassionate-withdrawal-request> [11].
- **Seek tutoring or academic support services:** The Student Success Center provides a variety of services to help students become better learners and gain the confidence and skills to achieve their academic goals. Services include writing centers, math tutoring, subject area tutoring and supplemental instruction. More information about the Student Success Center is available at <https://tutoring.asu.edu/student-services/tutoring> [12].
- **Make an appointment with ASU's Counseling Services:** Counseling and mental health services are provided at each of the four ASU campuses. ASU students may seek services at any of the campus counseling centers, regardless of their college affiliation. Students should visit <https://eoss.asu.edu/counseling/location> [13].
- **Explore the possibility of an "I" (incomplete) grade.**

Possible consequences resulting from a complete session withdrawal:

- **Financial aid:** Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal from financial aid depends on when the withdrawal is dated and the type of financial aid. Students should see <https://students.asu.edu/financial-aid> [14] for more information.
- **Tuition and refunds:** The date of a complete withdrawal will determine whether or not a tuition refund will be generated. Students should review the tuition refund policy [15] for more information.
- **Health insurance:** Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- **Residential life:** Students who live on campus should contact their residential hall community staff to determine what impact withdrawing will have on their eligibility to live on campus and to complete a license agreement release form and arrange an appointment to officially check out. For more information, students should see <https://housing.asu.edu/housing-resources/license-agreements/release> [16].
- **Veteran benefits and certifications:** Students should contact the appropriate veteran benefits and certifications office to discuss information regarding veterans' educational benefits and military activation. For more information, students should send an email to [w.westvso@asu.edu](mailto:w.westvso@asu.edu) [17] or visit <https://veterans.asu.edu> [18].

Procedures for general university withdrawal are at <https://students.asu.edu/drop-add> [19].

## **Degree requirements**

### **Undergraduate degree requirements**

All candidates for graduation in the BA, BS and BAS curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division work. A minimum cumulative GPA of 2.00 is required for graduation. Students must complete a New College residency requirement of a minimum of 12 credit hours of upper-division (300- and 400-level) coursework from the school housing the student's major.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.

To graduate, a student must satisfy the following requirements:

- ASU 101 or equivalent (freshman students)
- IAS 300 (transfer students)
- college proficiency requirements for language and cultures and for mathematics
- university first-year composition and General Studies requirements
- major requirements that involve concentrated coursework in one program
- successful completion of critical-tracking courses as required on the student's major map

Information on critical tracking and eAdvisor tools, such as the student's major map, is available at <https://eadvisor.asu.edu> [20].

### **Proficiency requirements**

Each student is required to demonstrate proficiency in the analysis of language and cultures and also mathematics by passing an examination or by completing the courses specified below with a grade of "C" (2.00) or better in each course.

Students considering graduate work after completion of a bachelor's degree should consult with faculty advisors regarding language requirements in their intended areas of study.

### **Language and cultures**

This requirement may be satisfied through one of the following:

- completion of secondary education at a school in which the language of instruction is not English
- completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV
- completion of an upper-division course or courses taught in a foreign language, taken in the United States or the relevant country
- completion of six credit hours of upper-division courses that have a global awareness designation (G) or cultural diversity in the U.S. designation (C) in addition to the courses used to meet the university General Studies requirements
- completion of two sequential semesters of coursework in a current computer language

Students may obtain information about applicable coursework through the college advising office.

### **Mathematics**

Students are required to complete MAT 142 or any MAT course for which MAT 117 or a higher-level MAT course is a prerequisite.

### **Major requirements**

Each student is required to select a major from among the programs offered by the New College of Interdisciplinary Arts and Sciences.

The major program may require up to 51 credit hours of coursework. The minimum is 30 hours. A maximum of 18 additional hours may be required in related courses and prerequisites. No more than 63 credit hours of coursework may be required to complete the major, related courses and prerequisites.

No credit is granted toward fulfilling major or minor requirements in any upper-division course in the subject field of the major unless the grade in that course is at least a “C” (2.00). Normally, a “Y” (pass) grade needs confirmation that it is equivalent to a “C” (2.00) or better.

### **General electives**

Upon completion of all other requirements, the remainder of the minimum 120 credit hours required for graduation is general electives. Students should contact college advisors for assistance in selecting elective courses.

### **Concurrent degrees**

Students in the New College of Interdisciplinary Arts and Sciences are eligible to seek concurrent degrees. Concurrent degrees with significant course overlap may not be approved.

- Students are eligible to pursue a concurrent degree when the following criteria have been met:
- Students must be in good standing with a cumulative GPA of 2.0 or higher
- Students must have completed 30 credit hours in their first program of study
- Students must complete 30 credit hours unique to each program
- Students may connect with advising to determine appropriate combinations

To be approved to pursue a concurrent degree, students must file a Petition to Pursue Concurrent Degree form: <https://newcollege.asu.edu/advising/forms> [7].

### **Minors**

New College offers minors in many of its disciplines. All minors require a minimum of 15 credit hours in the discipline with at least nine of those hours completed as upper-division coursework. Six of the upper-division hours must be taken from courses offered by the New College of Interdisciplinary Arts and Sciences. Courses used in the minor may not be used in the student's major program. <https://catalog.asu.edu/index.php?q=minors> [22]

### **Readmission**

Undergraduate degree-seeking students having previously attended ASU but not enrolled at ASU for one fall or spring semester or no more than two consecutive semesters are eligible to return through quick reentry. These students are not required to submit a new application or application fee but must contact an academic advisor in their school to enroll.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in a New College program are required to apply for readmission through Admission Services <https://admission.asu.edu/undergrad/readmission> [23].

Disqualified students must follow the procedures for readmission and will be reviewed by the college on a case-by-case basis.

### **Graduate policies**

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Graduate students should review the New College Standards of Satisfactory Progress [24] and policies established by the Graduate College [25].

**Source URL:** [https://catalog.asu.edu/policies/new\\_college](https://catalog.asu.edu/policies/new_college)

#### **Links:**

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

[2] <https://provost.asu.edu/academic-integrity/>

[3] [https://catalog.asu.edu/retention\\_standing](https://catalog.asu.edu/retention_standing)

- [4] <https://newcollege.asu.edu/college-advisor>
- [5] <https://students.asu.edu/academics>
- [6] <https://students.asu.edu/grades>
- [7] <https://newcollege.asu.edu/advising/forms>
- [8] <https://students.asu.edu/forms/incomplete-grade-request>
- [9] <https://admission.asu.edu/transfer>
- [10] <https://students.asu.edu/sites/default/files/completesessionwithdrawal08102017.pdf>
- [11] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>
- [12] <https://tutoring.asu.edu/student-services/tutoring>
- [13] <https://eoss.asu.edu/counseling/location>
- [14] <https://students.asu.edu/financialaid>
- [15] <https://students.asu.edu/tuitionrefundpolicy>
- [16] <https://housing.asu.edu/housing-resources/license-agreements/release>
- [17] <mailto:w.westvso@asu.edu>
- [18] <https://veterans.asu.edu>
- [19] <https://students.asu.edu/drop-add>
- [20] <https://eadvisor.asu.edu>
- [21] <https://newcollege.asu.edu/advising/forms>
- [22] <https://catalog.asu.edu/index.php?q=minors>
- [23] <https://admission.asu.edu/undergrad/readmission>
- [24] [https://newcollege.asu.edu/sites/default/files/files/advising/documents/ncsatisfactoryacademicprogresspolicy\\_fall\\_2014\\_v.1.pdf](https://newcollege.asu.edu/sites/default/files/files/advising/documents/ncsatisfactoryacademicprogresspolicy_fall_2014_v.1.pdf)
- [25] <https://graduate.asu.edu/policies-procedures>

## Walter Cronkite School of Journalism and Mass Communication Policies

The Walter Cronkite School of Journalism and Mass Communication has a student-centered culture focused on helping students complete their degrees in a timely manner. The school encourages students to visit the school's website <https://cronkite.asu.edu> [1] or contact its student services center at 602-496-5055 with questions about any of the school's policies.

### Academic integrity

The Cronkite School has zero tolerance for academic dishonesty, and this is enforced in every course and educational activity offered or sanctioned by the school. Any allegation of academic dishonesty is referred to the school's standards committee for review and recommendation to the dean of the school. If any student is found to have engaged in academic dishonesty in any form --- including but not limited to cheating, plagiarizing and fabricating --- that student shall receive a grade of "XE" (academic dishonesty) for the class and is dismissed from the school. There are no exceptions.

At the beginning of every Cronkite class, each student is given a copy of the full academic integrity policy along with accompanying information on plagiarism. Students must sign a pledge that indicates they have read and understood the material and agree to abide by the policy.

The policy, along with guidance on how to avoid plagiarism and fabrication, can be found at [https://cronkite.asu.edu/assets/pdf/Academic\\_Integrity\\_Policy.pdf](https://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf) [2].

The Cronkite School notifies the Graduate College if a graduate student is being recommended for dismissal from the school for having engaged in academic dishonesty.

### Responsibilities related to academic integrity

**Accuracy:** Since accuracy is the most important aspect of journalism, the Cronkite School adheres to rigid standards. Any major error of fact such as a misspelled proper name, an erroneous phone number, an incorrect address, a libelous statement or a misstatement of a major fact, or anything else that would require a printed correction if the story were to appear in a newspaper will result in an "E" (55 percent) on an assignment. Misspellings or errors of grammar will bring a student's grade down. Carelessness will cause a student to lose points fast.

**Attendance and makeup work:** Students are expected to attend every class and arrive on time. If they miss an in-class assignment, quiz or test, they receive a zero. Excused absences are not given. Instructors may allow two absences for any reason or drop designated grades. Specific language regarding absences and makeup work will be included in each syllabus.

**Deadlines:** Like accuracy, the ability to meet deadlines is a hallmark of good journalism, and students are expected to meet them. Assignments submitted even one minute past the deadline are not accepted; the student receives a zero.

**Diversity principles:** The Cronkite School practices inclusivity in student, staff and faculty populations in order to create an academic environment that embraces diversity of thought and acceptance of all people regardless of race, gender, age, sexual orientation or societal, political, cultural, economic, spiritual or physical differences. The principles are posted at <https://cronkite.asu.edu/about/diversity-principles> [3].

**ACEJMC values and competencies:** As a member of the Accrediting Council on Education in Journalism and Mass Communication, the Cronkite School is committed to classroom learning that achieves ACEJMC professional values and competencies. These include the core areas: freedom of speech, ethics, diversity, critical thinking, research, writing and use of tools and technologies related to the field. For a full list of ACEJMC values and competencies, students should see <http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML#vals&comps> [4].

**Social media guidelines:** It is important that students of journalism and communication know how to use social media ethically and professionally. The Cronkite School has developed standards drawn from the Poynter Institute for Media Studies and the Society of Professional Journalists. Those guidelines may be found at <https://cronkite.asu.edu/degree-programs/admissions/student-resources/social-media-guidelines> [5].

## Undergraduate policies

### Academic standing

#### Probation

All ASU students, freshman through senior, must maintain a minimum GPA of 2.00 for all courses completed at ASU. If this standard is not maintained, the student is placed on probation. Students on probation must see an advisor before further registration and must do one of the following:

1. Achieve an ASU GPA of 2.00 or greater in order to return to academic good standing.
2. Obtain a semester GPA of 2.50 with no grade less than a “C” in order to be granted one additional semester on continued probation. At the end of the continued probation, the student must return to academic good standing (a minimum cumulative ASU GPA of 2.00) to avoid disqualification.

#### Disqualification

Students who do not meet probation requirements are academically disqualified. Disqualified students should meet with their academic advisors. These students may attend ASU only during the summer session immediately following disqualification.

**Cronkite School Journalism and Mass Communication and Sports Journalism majors:** Students in these majors must maintain a minimum GPA of 2.50 for all courses completed at ASU in order to be in good standing in the major. If a student’s cumulative GPA is less than a 2.50, the student has one semester to raise his or her cumulative GPA to meet the requirement. Failing to raise the cumulative GPA to a 2.50 or greater results in the student having to change his or her major from Journalism and Mass Communication or Sports Journalism.

**Cronkite School Mass Communication and Media Studies and Digital Audience majors:** Students in this major follow the university policies for GPA requirements, probation and disqualification.

### Advising

#### Advising

Cronkite School undergraduate students are assigned an advisor by the student’s last name. Students should see the undergraduate advising page for specifics: <https://cronkite.asu.edu/student-life/undergraduate-advising> [6].

To ensure students are making progress toward their degrees, the Cronkite School encourages students to check in with their advisors each semester. Advising is mandatory for:

- first-time freshmen, both semesters their first year at ASU
- students who have completed 75 credit hours
- transfer students prior to enrolling for their first semester at ASU
- students on probation
- students who are off track in the major

ASU Online students are strongly encouraged to make an appointment with their respective advisors before enrolling for their first semester.

For additional information, students should contact the Cronkite School’s advising center at 602-496-5055.

Students should follow the sequence of courses outlined on major maps and online degree audits and contact their Cronkite advisor with any questions. Critical requirements for freshmen in the school are available at <https://cronkite.asu.edu> [1].



## Credit/Registration

**Changes of major:** Students are eligible to change their major if they meet the criteria below.

**Journalism and Mass Communication and Sports Journalism degree programs:** Current ASU students are eligible for admission if they have a cumulative GPA of at least 3.00 in 12 or more hours of credit earned at ASU in courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements.

Transfer students with at least 12 hours of academic credit earned after high school and at least a 3.00 cumulative GPA are eligible for admission.

**Online Mass Communication and Media Studies and Digital Audience degree programs:** Current ASU students who have a cumulative GPA of at least 2.00 are eligible for admission.

Prospective transfer students (not yet admitted to ASU) and ASU students who have a cumulative GPA less than 3.00 are encouraged to meet with a Cronkite School advisor. To schedule a meeting, students should contact the advising center at 602-496-5055.

**Transfer credit:** Students may apply up to 64 credits of coursework from an accredited two-year institution to their degree. Students may apply up to nine credit hours of approved upper-division journalism coursework from a four-year ACEJMC-accredited institution to the Cronkite School's journalism degree requirements. Students interested in having these courses reviewed should provide detailed syllabi and course schedules to the Cronkite School's academic standards committee. Students should see their academic advisors for help.

## Degree requirements

All Cronkite students must meet the critical requirements for their majors. Students who are required to follow eAdvisor tracking requirements and do not comply with the critical requirements are off track, and a hold is placed on their records. These students must meet with an advisor to have the hold removed.

Specific requirements for the Journalism and Mass Communication degree can be found at <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSJMCBA/undergrad/false> [7].

Specific requirements for the Sports Journalism degree can be found at <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSSPJBA/undergrad/false> [8].

Specific requirements for the Mass Communication and Media Studies degree can be found at <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSMCMSTBA/undergrad/false> [9].

Specific requirements for the Digital Audiences degree can be found at <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSDIGABS/undergrad/false> [10].

## Concurrent degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.

### General rules for students pursuing concurrent degrees in the Walter Cronkite School of Journalism and Mass Communication:

- Currently enrolled Cronkite School Journalism and Mass Communication or Sports Journalism majors who would like to add a concurrent degree must have a cumulative ASU GPA of 2.50 or greater and must have completed 30 credit hours of coursework.
- Currently enrolled Cronkite School Mass Communication and Media Studies or Digital Audiences majors who would like to add a concurrent degree must have a cumulative ASU GPA of 2.00 or greater and must have completed 30 credit hours of coursework.
- ASU students not enrolled in the Cronkite School who would like to add a concurrent degree in journalism and mass communication or sports journalism must be in good academic standing with an ASU, have a cumulative GPA of at least 3.00 and must have completed 30 credit hours of coursework.
- ASU students not enrolled in the Cronkite School who would like to add a concurrent degree in mass communication and media studies or digital audiences, offered online, must be in good academic standing, have a cumulative GPA of at least 2.00 in an ASU Online degree program and must have completed 30 credit hours of coursework.



- The Cronkite School requires that students enrolled in Journalism and Mass Communication or Sports Journalism majors take a minimum of 36 credit hours of Cronkite School courses.
- The Cronkite School requires that students enrolled in the Mass Communication and Media Studies or the Digital Audiences majors take a minimum of 30 credit hours of Cronkite School courses.
- A student may not take concurrent degrees in journalism and mass communication, sports journalism, mass communication and media studies, or digital audiences.

#### Procedures for adding a concurrent degree:

1. Once a student has decided to declare a concurrent degree, the student should inform the academic advisor for each degree in order to receive proper information about degree requirements, courses, etc.
2. When a student meets the requirements for a concurrent degree, the student should complete a Standards Committee Petition [11] and turn it in to the assigned Cronkite School academic advisor [6]. Students in the Cronkite School are assigned an advisor by the student's last name.
3. The student also needs to contact the college offering the concurrent degree to be added and follow that college's procedures for requesting and pursuing concurrent degrees.
4. If a student no longer wishes to pursue a concurrent degree, the student should email that intention to the academic advisor, and the message should include the student's full name and ASU ID number as well as which degree the student wants to have removed from the academic record.

Any questions should be directed to [Cronkiteadvising@asu.edu](mailto:Cronkiteadvising@asu.edu) [12].

Additional information about specially designed Cronkite concurrent degrees can be found on the Cronkite School Dual Degree Programs [13] page.

#### Reinstatement/Readmission

Students seeking readmission after being discontinued from the university should contact undergraduate admission services at <https://admission.asu.edu/contact> [14].

#### Other special requirements

**Major proficiency requirements:** All Cronkite students must receive at least a "C" (2.00) or better in all JMC and MCO courses. Journalism and Mass Communication and Sports Journalism majors must also receive a grade of "B-" (80 percent) or better in JMC 101 Grammar for Journalists. Students must also maintain at least a cumulative GPA of 2.50 to be eligible to enroll in JMC and MCO classes.

## Graduate policies

The Walter Cronkite School of Journalism and Mass Communication is a nationally recognized professional program that prepares students for careers as reporters, editors, producers, correspondents, anchors and multimedia journalists. Our students go on to online media outlets, television stations, newspapers, magazines, radio stations, websites and digital media companies.

The school consistently ranks in the top 10 in the annual Hearst intercollegiate journalism competition, often called the Pulitzer of college journalism. And the school's students have finished first in the region in the Society of Professional Journalists' Mark of Excellence Awards for a record 18th consecutive year. The faculty consists of award-winning professional journalists and world-class media scholars. The school is housed on ASU's Downtown Phoenix campus, in the middle of one of the nation's largest media markets.

More information on the school's academic standards, policies and procedures and those of the Graduate College can be found at <https://graduate.asu.edu/policies-procedures> [15]. Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

## Academic integrity

Academic dishonesty in any form is not tolerated in the Walter Cronkite School of Journalism and Mass Communication.

The crux of democracy is the ability of a nation's citizens to obtain honest, truthful and balanced information, and the credibility and integrity of the individual journalist and communications professional are crucial in that effort.

In light of the Cronkite School's mission to prepare students to become journalists and communication professionals, it is critical that credibility and integrity are fostered within the educational environment of the school. To that end, zero tolerance for academic dishonesty is enforced for every course and educational activity offered or sanctioned by the school.

Any allegations of academic dishonesty automatically is referred to the standards committee of the school for review and recommendation to the dean of the school. If any student is found by the committee to have engaged in academic dishonesty in any form, including but not limited to cheating, plagiarizing or fabricating, that student receives a grade of "XE" (academic dishonesty) for the class and is dismissed from the Walter Cronkite School of Journalism and Mass Communication. There are no exceptions. The Cronkite School Academic Integrity Policy is available at [https://cronkite.asu.edu/assets/pdf/Academic\\_Integrity\\_Policy.pdf](https://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf) [2].

The Cronkite School notifies the Graduate College if a graduate student is being recommended for dismissal from the school for having engaged in academic dishonesty.

## Admission

Candidates for the Master of Mass Communication or Master of Arts in sports journalism degrees apply online at <https://admission.asu.edu/graduate/apply> [16].

The graduate application opens Sept. 1. Applications are reviewed on a rolling basis. Applications received before Dec. 1 are given priority for both admission and funding. The final application deadline is June 1.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

They must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- Graduate admission application and application fee
- Official transcripts
- GRE scores, with the verbal score being particularly important to the journalism school's graduate committee
- Three letters of recommendation
- Personal statement of interest (350 to 500 words in length)
- Resume
- Proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the Internet-based. Students should see the program website for application deadlines and admission terms. Applicants must meet all deadlines and application requirements to be considered. The Cronkite School's master's committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

Candidates for the online Master of Science in business journalism apply online at <https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS&plan=CSBSJMS&subplan=&campus=ONLINE> [17]. Candidates must submit a graduate application, application fee, resume, statement of personal interest (300-500 words) and official transcripts. An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency with an internet-based TOEFL score greater than 100.

Candidates for the online Master of Science in digital audience strategy apply online at <https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS&plan=CSDASMS&subplan=&campus=ONLINE> [18]. Candidates must submit a graduate application, application fee, resume, statement of personal interest (300-500 words)

and official transcripts. An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency with an internet-based TOEFL score greater than 100.

## **Degree requirements**

### **Plan of study**

After completing 50 percent of the minimum credit hours required for the Master of Mass Communication, Master of Arts in sports journalism degrees or Master of Science in business journalism degrees, students must submit an official plan of study with the Walter Cronkite School of Journalism and Mass Communication. The plan of study is available online in the My Programs box on My ASU at <https://my.asu.edu> [19].

The student selects the ASU courses that have been taken, those in progress and those the student plans to take in future semesters. Once the plan of study is completed, it is electronically forwarded to the Cronkite School's graduate office. It must be approved by the members of the Cronkite School's assistant dean responsible for the master's programs. The completed plan of study is sent to the Graduate College and then to the graduation office. The approved plan of study is a contract between the student and the school verifying the classes the student intends to take during his or her course of study. Students who do not have an approved plan of study on file are not eligible for graduation. Changes in the plan of study may be made by using the form Course Changes to the Graduate Plan of Study available online on My ASU at <https://my.asu.edu> [19].

Students who need to file a plan of study will be notified by the Graduate College via email. If the student fails to file the plan of study within the specified time period, a hold is placed on the student's ASU record. The hold will prevent the student from registering for classes. Once the student has filed the plan of study and it has been approved, the hold is removed. The Graduate College monitors students' iPOS statuses and places or removes the holds.

## **Academic standing**

### **Satisfactory academic progress**

All graduate students are expected to make systematic progress toward completion of their degree. This progress includes satisfying the conditions listed below and achieving the benchmarks and requirements set by the individual degree programs. Each degree program should have in place policies for satisfactory academic progress. Students are responsible for verifying additional satisfactory progress policies as required by their degree program. If a student fails to satisfy the requirements of their degree program and the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to the Graduate College. The dean of the Graduate College makes the final determination.

1. Maintain a minimum GPA of 3.00 on the iPOS, graduate and cumulative GPAs. If a GPA is less than 3.00, the student must develop, with their advisor, an academic performance improvement plan that includes the conditions and time frames for making satisfactory academic progress in the degree program. The iPOS GPA is calculated from all courses that appear on the student's approved iPOS.
  - o The graduate GPA is calculated from all courses numbered 500 or greater that appear on the transcript, with the exception of courses counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's and master's degree program) and from courses identified as deficiencies in the original letter of admission. The student is considered to be on academic probation until the conditions specified in the academic performance improvement plan are met and both GPAs are greater than 3.00.
  - o The cumulative ASU GPA represents all courses completed at ASU during the graduate career.
2. Satisfy all requirements of the graduate degree program.
3. Satisfy the maximum time limit for graduation from the student's graduate degree program (six years for master's degree, 10 years for doctorate).
4. Doctoral students must complete all program requirements within 10 consecutive years.
5. Successfully pass any comprehensive exams, qualifying exams, foreign language exams and the oral defense of the proposal or prospectus for the thesis or dissertation that are required for the specific graduate program.
6. Successfully complete the culminating experience and, if required, the oral defense of the culminating experience.
7. Graduate students must stay continuously enrolled in their graduate program. Failing to do so without a Graduate College-approved Request to Maintain Continuous Enrollment is considered to be a lack of academic progress and may lead to automatic dismissal of the student from the graduate program. Persistent "W" (withdrawal) and "I"

(incomplete) grades during multiple semesters on a plan of study or transcript may reflect a lack of academic progress.

In addition to the Graduate College satisfactory academic progress policies, the Walter Cronkite School of Journalism and Mass Communication has adopted the following:

1. If any of a student's GPA is less than 3.00, the student will be notified in writing and placed on probation. If the student's GPA is not raised to at least 3.00 by the end of the next semester (excluding summer), a recommendation is made to the Graduate College to remove the student from the graduate program.
2. If a student in the Master of Mass Communication or Master of Arts in sports journalism earns less than a "C" (2.00) in MCO 502 Journalism Skills (Bootcamp), the Cronkite School recommends to the Graduate College that the student should be removed from the program immediately.
3. To receive their degrees, Master of Mass Communication and Master of Arts in sports journalism students who have MCO 570 Capstone as their culminating experience are required to earn at least a "B" (3.00).
4. Students in the online Master of Science in business journalism must earn at least a B (3.00) in the applied project MCO 593.
5. Students in the Master of Science in digital audience strategy program must earn a B (3.00) or better in MCO 561 - Defining the Digital Audience before enrolling in MCO 562, 563, 564 or 565. To receive their degrees, students also are required to earn at least a B (3.00) in MCO 566 - Digital Audience Management (Capstone). To enroll in the MCO 566 (Capstone), students must earn a B (3.00) or better in MCO 561, and a C (2.00) or better in all other courses.

### **Appeals**

Students who want to appeal a course grade must first discuss the issue with the instructor. If the issue is not resolved, the student may appeal the decision to the school's standards committee; the standards committee reviews the issue and makes a recommendation to the dean. The dean's decision is final. Students should be aware the standards committee may recommend a grade lower than the one awarded by the course instructor.

If a student fails to make satisfactory academic progress and a recommendation is made to the Graduate College to remove the student from their graduate program, the student has 10 business days to file a written appeal with the dean. The dean's decision regarding appeals is final.

### **Credit/Registration**

#### **Transfer credit**

Students admitted to the 30 credit hour mid-career MMC program may transfer up to six credit hours of approved coursework taken before beginning the program not used toward a previous degree; the six credit hours may include non-degree coursework. Only courses with a grade of "A" (4.00) or "B" (3.00) and taken within three years of admission to an ASU graduate program may be accepted as transfer credit.

In order to have graduate coursework that was completed at other accredited institutions included on a plan of study, a student must petition the Cronkite School's master's or doctoral committee. The student also must complete the petition section of the plan of study.

Students who are in the 36 credit hour professional master's degree program are not permitted to transfer coursework from another institution or from another ASU program.

#### **400-level courses taken for graduate credit**

The Walter Cronkite School of Journalism and Mass Communication may allow graduate students to enroll in and use up to two three-credit 400-level courses on their plans of study (a total of six credit hours). Students must receive permission from the assistant dean prior to enrolling in any 400-level course they intend to include in their plans of study. Students taking these courses are responsible for obtaining and completing the 400-level course contract form. This form specifies what the student must do to receive graduate credit for the course. It must be signed by the professor.

## **Preadmission credit**

Credit earned in graduate-level courses (per the Graduate College pre-admission policy) by undergraduate students may count toward their graduate degrees at ASU provided the credit hours have not been used toward a previously awarded degree. Before awarding a bachelor's degree, ASU undergraduate students should contact their undergraduate advisor to set aside graduate courses for use toward a graduate degree.

Reserving a course does not guarantee the student will be admitted to a graduate degree program or that the course will be used to meet graduate degree requirements. A maximum of nine semester hours of credit may be reserved, and only courses with a grade of "B" (3.00) or better are applicable. Reserved credit is classified as non-degree credit and must be taken within the six-year time limit to be included on a plan of study.

## **Grades of incomplete**

The Graduate College requires students who receive an incomplete in graduate coursework (500 level or above) to complete the necessary work within one calendar year. If the incomplete is not removed within one calendar year, it becomes part of the student's permanent transcript and cannot be used on a student's plan of study. To receive credit for the course, the student must repeat the course by re-registering, paying fees and fulfilling all course requirements.

Master of Mass Communication, Master of Arts in sports journalism, Master of Science in business journalism, and Master of Science in digital audience strategy students with more than one incomplete at any time are considered failing to make adequate progress, and they are notified of such and placed on probation. If the student does not complete the work to remove the incomplete and earn a letter grade by the end of the calendar year, a recommendation may be made to the Graduate College to remove the student from the program.

With 400-level courses taken for graduate credit, students are required to complete the necessary work to remove an incomplete grade within one calendar year. If the incomplete grade is not removed within one calendar year, the "I" will become an "E". An "E" cannot be used to meet the requirements for a graduate degree, but it is used to calculate the student's GPA. Students may retake the class to earn a higher grade; however, both the "E" and the new grade are used in calculating the student's GPA. If this results in a GPA of less than 3.00, a recommendation to withdraw the student from the program is made to the Graduate College.

## ***Other special requirements***

### **Time limitations**

Students have six years from the start of their program to complete their master's degrees, and the limit is 10 years for doctoral degrees.

### **Applied project**

Students enrolled in the 30 credit hour mid-career Master of Mass Communication program have the option of completing an applied project and are eligible to enroll in MCO 593, Applied Project, when they have no more than six credit hours of coursework remaining on their plan of study. Students interested in completing an applied project are encouraged to meet with the assistant dean no later than the end of their first year in the program.

### **Financial aid**

Many graduate students receive financial aid from ASU to assist in financing their education. More information can be found at <https://graduate.asu.edu/pay-for-graduate-education> [20].

### **ACEJMC values and competencies**

As a member of the Accrediting Council on Education in Journalism and Mass Communication, the Cronkite School is committed to classroom learning that achieves ACEJMC professional values and competencies. These include the core areas: freedom of speech, ethics, diversity, critical thinking, research, writing and use of tools and technologies related to the field. For a full list of ACEJMC values and competencies, students should see <http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML#vals&comps> [4].



## Diversity principles

The Walter Cronkite School of Journalism and Mass Communication practices inclusivity in student, staff and faculty populations in order to create an academic environment that embraces diversity of thought and acceptance of all people regardless of societal, political, cultural, economic, spiritual or physical difference, age or sexual orientation.

To this end, the school directs efforts to the following four principles:

1. Actively seek out and encourage diverse populations to become productive members of the faculty, staff and the student body.
2. Create and maintain a work, learning and social environment that is cognizant of and supportive of a diversity of human differences and beliefs.
3. Incorporate within the formal content of the curriculum and in each course an affirmation of the core journalistic values of accuracy, fairness, ethical behavior and sensitivity when reflecting an increasingly multicultural world.
4. Foster and support a climate in which events and activities of the school reflect diversity of awareness, sensitivity to and support for people of different origins, orientations and abilities.

## Social media guidelines for student journalists

The Cronkite School encourages participants in its professional programs to make use of social networking sites such as Facebook and Twitter, which are valuable reporting tools and promotional and distribution channels for the school's content. To ensure the highest journalistic standards in these programs, participants must abide by the standards for social media use drawn from The Poynter Institute for Media Studies and the Society of Professional Journalists' Code of Ethics.

Those guidelines are found at <https://cronkite.asu.edu/degree-programs/admissions/student-resources/social-media-guidelines> [5].

**Source URL:** <https://catalog.asu.edu/policies/journalism>

### Links:

- [1] <https://cronkite.asu.edu>
- [2] [http://cronkite.asu.edu/assets/pdf/Academic\\_Integrity\\_Policy.pdf](http://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf)
- [3] <https://cronkite.asu.edu/about/diversity-principles>
- [4] <http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML#vals&comps>
- [5] <https://cronkite.asu.edu/degree-programs/admissions/student-resources/social-media-guidelines>
- [6] <https://cronkite.asu.edu/student-life/undergraduate-advising>
- [7] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSJMCBA/undergrad/false>
- [8] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSSPJBA/undergrad/false>
- [9] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSMCMSTBA/undergrad/false>
- [10] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSDIGABS/undergrad/false>
- [11] [http://cronkite.asu.edu/assets/pdf/standards\\_com\\_petition.pdf](http://cronkite.asu.edu/assets/pdf/standards_com_petition.pdf)
- [12] <mailto:Cronkiteadvising@asu.edu>
- [13] <https://cronkite.asu.edu/degree-programs/undergraduate/cronkite-school-dual-degree-programs>
- [14] <https://admission.asu.edu/contact>
- [15] <https://graduate.asu.edu/policies-procedures>
- [16] <https://admission.asu.edu/graduate/apply>
- [17] <https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS&plan=CSBSJMS&subplan=&campus=ONLINE>
- [18] <https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS&plan=CSDASMS&subplan=&campus=ONLINE>
- [19] <https://my.asu.edu>
- [20] <https://graduate.asu.edu/pay-for-graduate-education>

# Sandra Day O'Connor College of Law Policies

## Graduate policies

### *Academic integrity*

#### **Honor code**

The legal profession, a self-regulating association, depends on the integrity, honor and personal morality of each member. Similarly, the integrity and value of a Sandra Day O'Connor College of Law degree depends on a reputation for fair competition. The college's honor code is intended as a measure to preserve the integrity of the school's diploma and to create an arena in which students can compete fairly and confidently. The honor code can be found at <https://law.asu.edu> [1].

### *Academic standing*

#### **Retention standards**

The College of Law requires a minimum GPA of 2.00 to continue enrollment. If a student's GPA falls below this number, he or she may be disqualified in accordance with College of Law policies.

The College of Law statement of student policies contains additional retention and academic policies. The statement of student policies can be found at <https://law.asu.edu> [1].

### *Advising*

Academic advising for currently enrolled law students is available through the office of academic affairs.

### *Degree requirements*

#### **Concurrent degrees**

College of Law students must be in academic good standing to be eligible to pursue a concurrent degree.

#### **Shared credit**

Per the Graduate College policy for concurrent master's degrees, a maximum of 20 percent of the minimum total credit hours for the completion of both degrees may be common hours shared between the degree programs. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.

The Graduate College policy also states that for a concurrent master's/doctoral degree a maximum of nine credit hours may be common hours shared between the degrees and may only include coursework completed after admission to both degree programs. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.

The Graduate College policy for concurrent doctoral degrees states that a maximum of 12 credit hours may be common hours shared between the degrees. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.

#### **Process**

Current Juris Doctor College of Law students who are interested in pursuing a concurrent degree should contact the College of Law assistant dean for academic affairs or the College of Law assistant registrar prior to applying to the college or department offering the desired concurrent degree.

Students in one of the College of Law's master's degree programs who are interested in pursuing a concurrent degree should contact the College of Law associate dean for new education initiatives prior to applying to the college or department offering the concurrent degree.

Current ASU students who are not enrolled in the College of Law and who wish to pursue a concurrent degree with the College of Law should contact the College of Law admission office. <https://law.asu.edu/admissions> [2]

## Admission process

The Sandra Day O'Connor College of Law enrolls only one first-year, JD class per year, and it enters in the fall semester. The program is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. The following steps must be completed for an applicant to be considered for admission to the JD program:

1. Demonstrate an earned undergraduate degree from an accredited four-year college or university by the time of enrollment in the JD program.
2. Take the LSAT and provide a reportable score from that test (unless you are applying under the ASU Achievement Program).
3. Submit a completed application.
4. Submit transcripts and letters of recommendation through the Law School Admissions Council's Credential Assembly Service, which will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants must apply electronically through <https://www.lsac.org/> [3].

The undergraduate record and LSAT score are only two of many factors considered for admission.

In addition to the above information, there are other application tracks a prospective student may use. More details about all application processes can be found at <https://law.asu.edu/admissions> [2].

Completed applications must be electronically submitted to the Sandra Day O'Connor College of Law at Arizona State University by:

November 15, 2019 for Early Admission (non-binding) Program

March 1, 2020 for:

Binding Admission - O'Connor Honors Program (Full Tuition)  
Binding Admission - O'Connor Merit Scholars Program  
Binding Admission - Indian Law Leadership Program  
Regular Admission Program  
ASU Achievement Program

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Sandra Day O'Connor College of Law.

**Source URL:** <https://catalog.asu.edu/policies/law>

### Links:

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

[2] <https://law.asu.edu/admissions>

[3] <https://www.lsac.org/>



# The College of Liberal Arts and Sciences Policies

These are the current policies in The College of Liberal Arts and Sciences.

## Academic integrity

Academic honesty is expected of all students in all examinations, assignments, papers, laboratory work, academic transactions and records. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. More information about academic honesty is available at <https://provost.asu.edu/academic-integrity> [1], and information about The College of Liberal Arts and Sciences policies and procedures is at <https://thecollege.asu.edu/resources/academic-integrity> [2]. The College tracks all reports of academic integrity violation internally and shares that information with other ASU colleges and schools.

1. Anyone with a good faith basis for believing that a student has engaged in academic dishonesty may report the alleged violation to the instructor or the academic integrity officer for The College in which the academic dishonesty occurred.
2. If the instructor or academic integrity officer for The College conclude that there is sufficient basis to believe the student engaged in academic dishonesty, the academic integrity officer will notify the student of the alleged violation and initiate the investigative process.
3. At any point in the process, the student can contact the academic integrity officer to seek consultation of clarification.
4. The student may be accompanied by an advisor at any point in the process. The advisor is not permitted to participate directly or speak for the student.
5. Once the investigation is complete, in consultation with the academic integrity officer, the instructor will recommend a sanction. The student will be notified of the result of the investigation and the proposed sanction, if any.

## Sanctions and right of appeal

The following sanctions may be imposed for academic dishonesty:

1. reduced or failing grade for the assignment or academic evaluation
2. reduced or failing grade for the course
3. an XE grade, denoting failure due to academic dishonesty
4. withdrawal of credit for a previously accepted course or requirement
5. suspension from the university for a specific period of time
6. expulsion from the university without expectation or readmission; and (or)
7. other sanctions as consistent with the ASU Academic Integrity Policy and the Student Code of Conduct [3]

A student alleged to have violated the Academic Integrity Policy has the following rights:

- The student may discuss the matter directly with the faculty member.
- If the issue is not resolved after speaking with the faculty member, the student has the right to initiate a discussion with the chair or director of the academic unit in which the alleged violation occurred or their designee, or with the academic integrity officer in The College of Liberal Arts and Sciences dean's office. If an XE for the course or a more severe sanction (e.g., suspension, expulsion) has been recommended, the student is strongly encouraged to meet with the academic integrity officer to discuss the allegation. Students may call 480-965-6506 to schedule an appointment with the academic integrity officer in The College of Liberal Arts and Sciences, Office of Student and Academic Programs.
- Formal appeals are heard by The College of Liberal Arts and Sciences Student Affairs and Grievances Committee. After discussing the matter with the faculty member, chair and The College academic integrity officer, a student has the right to appeal the finding that an academic integrity violation has occurred or the sanctions levied in connection with the violation to The College of Liberal Arts and Sciences Student Affairs and Grievances Committee. The appeal process is initiated by scheduling an appointment with The College academic integrity officer in the Office of Student and Academic Programs. Students have 10 working days from the date of the email or letter notifying them of the academic integrity violation and proposed sanction to initiate an appeal. After the 10 days, the proposed sanction is imposed and the matter is closed.

The College's Student Affairs and Grievance Committee is a body composed of faculty and students from across The College that serves as the dean's delegate. The committee meets no more than once a week during regular fall and spring semesters but not during summer, winter or the midterm breaks. After hearing the case, the committee deliberates and makes a written recommendation to the dean for his review. The final decision of the dean is communicated to the student and all appropriate parties in writing.

Unless a student successfully appeals the finding that an Academic Integrity Policy violation has occurred, a record of the incident and the sanctions will be retained in the records of The College and, if appropriate, the records of The College of the student's major and of the university. If the seriousness of the current situation or past violations warrant, the dean's office retains the right to impose or recommend sanctions in addition to those recommended by a faculty member.

## Undergraduate policies

### *Student responsibilities*

Students enrolling in courses offered by The College of Liberal Arts and Sciences are expected to follow the rules and deadlines specified in this catalog pertaining to enrollment, adding or dropping classes, withdrawals and tuition payment.

Students are encouraged to meet with their academic advisors regularly. Students with additional questions regarding the academic rules of The College and the university are welcome to meet with advisors in The College's Academic Advising Hubs, and they can schedule an appointment by calling 480-965-6506 or by emailing [clas@asu.edu](mailto:clas@asu.edu) [4].

In addition, students must understand and follow the requirements for the university's General Studies and college graduation requirements in their edition of ASU's academic catalog. The academic catalog is the governing source for all degree requirements.

### *Academic standing*

The standards for GPA and the terms of academic warning, academic probation, disqualification and reinstatement are identical to those of the university, as set forth under retention and academic standards.

When students are placed on academic warning or probation, one of three things can happen:

- They can return to academic good standing by raising the cumulative GPA to 2.00 or greater.
- They can remain on probation by earning the required semester GPA of at least 2.00 but not raising the cumulative GPA to academic good standing. Students may continue on academic probation, earning the required semester GPA, for as many semesters as it takes to raise the cumulative GPA to academic good standing.
- They can be disqualified if they fail to achieve the required semester GPA of 2.00.

Students who are placed on academic warning or academic probation are required to see their major advisor in each term they remain on continuing probation prior to enrollment in subsequent terms. Students who are academically disqualified should contact The College of Liberal Arts and Sciences Academic Advising Hubs by calling 480-965-6506 or by emailing [clas@asu.edu](mailto:clas@asu.edu) [4].

Students who leave the university for a semester or more while on academic probation are automatically readmitted, except when reapplying to degrees in the Hugh Downs School of Human Communication, which has specific readmission criteria. Students should review the reinstatement and readmission portion of this section for more information about policies and procedures.

Students who fail to meet the minimum GPA of 2.00 in the fall or spring semester after being placed on academic probation are disqualified from further attendance at Arizona State University for a minimum of one semester.

Students who are academically disqualified should contact The College of Liberal Arts and Sciences Academic Advising Hubs by calling 480-965-6506 or by emailing [clas@asu.edu](mailto:clas@asu.edu) [4] to inquire about further steps.

## Advising

All students are encouraged to seek academic advising before registration.

### eAdvisor

eAdvisor provides students the tools to successfully follow their major maps to graduation and assists the students with:

- learning more about graduation requirements for their majors
- discerning what critical requirement courses and grades are required to stay on track to successfully complete their degrees
- planning for and scheduling appropriate courses in the correct sequence to maximize success
- monitoring progress toward their degrees
- finding out how courses may fit into other majors if they decide to change majors or to add concurrent degrees

Students can learn more about eAdvisor and access it at <https://eadvisor.asu.edu/> [5].

### Advising locations

With the exception of first-year freshmen and first-term transfer students, The College of Liberal Arts and Sciences students should seek routine advising in the department or school of their major. Locations of each advising office can be found at <https://thecollege.asu.edu/advising/departments> [6]. With the exception of ASU Online students, all first-year freshmen and first-term transfer students in The College of Liberal Arts in Sciences should seek advising with advisors located in the Academic Advising Hubs located on the first floor of Armstrong Hall.

The Office of Student and Academic Programs, located in Armstrong Hall, 1st floor south, is the central resource center for academic information in The College. Requests from students, departmental advisors and faculty for clarification of rules, procedures and advising needs of The College and university should be directed to that office. Also available is The College's information on policies and procedures regarding academic integrity, student grievances with respect to grades, and various petitions involving college and university degree and graduation requirements.

### Required advising

The following groups of students are required to meet with their advisors in order to be eligible to register for their courses:

- all students registering for their first semester at ASU
- freshmen registering for their second semester at ASU
- students on academic probation
- students newly readmitted to the university
- students who are off track in their major

With the exception of those who have been disqualified, students listed above should consult an advisor in the department or school of their major. Disqualified students seeking readmission [7] should first apply to the university for readmission before scheduling an advising appointment with The College academic advising hub directors by calling 480-965-6506 or emailing [clas@asu.edu](mailto:clas@asu.edu) [4] to discuss the process.

### Advising for Preprofessional Programs

Professional Field	Advisor Location
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Dentistry	ARM 112
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Foreign Service	Diplomat in Residence, Ken Chavez, COOR 6971
Law	ARM 112
Medicine	ARM 112
Ministry	School of Historical, Philosophical and Religious Studies, COOR 3309
Occupational Therapy	ARM 112
Optometry	ARM 112
Osteopathy	ARM 112
Pharmacy	ARM 112
Physical Therapy	ARM 112
Physician Assistant	ARM 112
Veterinary Medicine	ARM 112

### **Health professions**

Students who plan to pursue a health profession should meet regularly with the preprofessional advising staff located in the Futures Center (ARM 112). For each of the health-related fields listed above, specific courses must be taken to complete graduate or professional school prerequisites and to prepare for required standardized admission exams (e.g., MCAT). To schedule a meeting with a prehealth advisor, students should call 480-965-2365 or visit Handshake [8].

### **Prelaw**

Students who plan to pursue a law-related profession should seek out guidance from the preprofessional advising staff located in the Futures Center (ARM 112). There are no specific course requirements for entrance into law school. Courses that engage students in intense critical analysis and include substantial amounts of writing, however, are recommended, as are practical experiences in law-related fields (e.g., through internships). Students can schedule a meeting with a prelaw advisor by calling 480-965-2365 or visit Handshake [8].

### **Academic (grade) grievance**

Academic grievances normally treat matters involving a student's current or recent coursework where, in a claim of unfair treatment, the relief that is sought is a change of a course's final grade. This process does not address academic integrity allegations, faculty misconduct or discrimination. Grievances must be resolved within the regular semester immediately following the session in which the grade was issued (by commencement for fall or spring) regardless whether the student is enrolled at the university. Academic grievance procedures follow a two-stage process, consisting of an informal process [9] defined by ASU policy and a formal process [10] within The College of Liberal Arts and Sciences. Each stage contains

a series of steps. If the informal process prescribed by the university fails to resolve the issue, students may escalate their concerns to the formal process offered by The College of Liberal Arts and Sciences. Student academic grievance procedures follow a two-stage process, consisting of an informal process defined by ASU policy and a formal process in the College of Liberal Arts and Sciences. Each stage contains a series of steps. For the purposes of this process, business days are defined as are defined as days the university is open.

The grievance procedures of The College of Liberal Arts and Sciences are as follows:

- An aggrieved student must first confer with the instructor and state any evidence and the reasons for questioning that the grade received was given in good faith. The instructor must review the matter, explain the grading procedure used and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course.
- If the grading dispute is not resolved at the course instruction level, the student may appeal to the chair or the chair-designated representative of the department responsible for the course.
- Only when the issue cannot be resolved at the department level should the student consult with a member of senior staff in The College Office of Student and Academic Programs. Students may schedule an appointment by calling 480-965-6506 or by emailing [clas@asu.edu](mailto:clas@asu.edu) [4] to discuss the next steps in the academic grievance process.
- After meeting with the dean's representative in the Office of Student and Academic Programs, the student has 10 business days to file a formal written grievance with the Office of Student and Academic Programs. The grievance is then forwarded by the Office of the Dean to the instructor with a request to provide a written response within 10 business days.
- The student is contacted to review the response when it arrives in the dean's office and confer with the dean's designee before deciding whether to request a hearing before The College of Liberal Arts and Sciences Student Affairs and Grievance Committee. The request for a hearing must be in written form. Upon receiving the student's request, the dean's designee arranges a formal hearing before The College Student Affairs and Grievances Committee. The committee is a regular faculty committee of The College, meeting up to once per week during the fall and spring terms. The committee does not meet during summer and winter breaks or during fall or spring intersessions.

The hearing, which shall be closed, shall be conducted by the committee chair. The arrangements for the order of appearance of submission of materials, testimony and related matters should be made through and by the dean's delegate in the Office of Student and Academic Programs. The dean's designee serves as an ex officio member of the committee but has no vote in the decision-making process. The committee shall make a confidential, written report through the committee chair to the associate dean for Student and Academic Programs.

The associate dean for Student and Academic Programs takes final action after fully considering the committee's recommendation, in keeping with university policy [9]. The associate dean informs the student, instructor, department chair or school director (if any), registrar (if appropriate) and grievance committee of any action taken. The decision of the associate dean is final.

## **Credit/Registration**

### **Credits, degrees and course registration**

#### **Credit requirement**

All candidates for graduation for bachelor degrees in The College are required to complete at least 120 credit hours of which at least 45 credit hours must consist of upper-division courses. A minimum cumulative ASU GPA of 2.00 is required for graduation.

## Minors

The College offers minors in many of its disciplines. All minors require a minimum of 18 credit hours in the discipline with at least 12 of those credit hours as upper-division courses. Six of the upper-division credit hours must be taken from courses offered by The College of Liberal Arts and Sciences. Students should work with their major advisors to make certain they are making the most effective choices to complete their minors. If there are additional questions regarding the minor, the major advisor will consult with department offering the minor. Students may not use courses in their minors toward their majors and, similarly, students may not use courses in their majors to fill the requirements of their minors. Additionally, there may be some disciplines that are too close in content for a student to choose a particular combination of minor and major.

## Course load

Undergraduate students are normally limited to 18 credit hours per fall or spring semester (or nine credit hours each in sessions A and B) and 14 total credit hours in summer session (seven credit hours each in sessions A and B; nine credit hours in session C). The typical student course load is 15 or 16 credit hours for a full 15-week semester.

Students who wish to register for more than 18 hours must meet GPA criteria based on the number of additional credit hours requested. Specific criteria, further guidelines, and the course overload petition form are at <https://thecollege.asu.edu/resources/advising> [11]. Students meeting these requirements may seek an overload for 19 to 24 credit hours (or up to 10 credit hours in either session A or B) from the advising office in the departments of their majors. Any petition for an overload in excess of 21 credit hours (or more than 12 credit hours in any fall or spring session A or B) must be presented to The College academic advising hubs in Armstrong Hall, first floor south, or requested by email at [clas@asu.edu](mailto:clas@asu.edu) [4].

Students should not assume that their petitions for overload will be granted. Overload requests are evaluated based on the student's most recent academic performance, cumulative performance and the reasons for requesting the overload. Freshmen and transfer students are not permitted to receive course overloads for their first semester at ASU.

For summer sessions, overloads are rarely granted and requests must be petitioned to The College of Liberal Arts and Sciences academic advising hubs in Armstrong Hall, first floor south, or by email at [clas@asu.edu](mailto:clas@asu.edu) [4].

## Pass/Fail grade option

The pass/fail grade option is intended to broaden the education of liberal arts and sciences undergraduates by encouraging them to take advanced courses outside their specializations. A grade of "P" (pass) contributes to a student's earned hours but does not affect the GPA. A failing grade is computed into the GPA.

The College of Liberal Arts and Sciences students with at least 60 credit hours may take courses under the pass/fail option. The following conditions apply:

- Enrollment for the pass/fail option must be approved by the instructor and The College offering the course as well as the student's college or school. Permission is recorded on the Pass/Fail Enrollment Form [12].
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.
- A maximum of 12 hours taken for pass/fail may be counted toward graduation.

Students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy the second-language or first-year composition requirements
- those in the student's major, minor or certificate program
- those counted toward or required to supplement the major
- those counted as 499 Individualized Instruction
- those taken for honors credits
- those counted toward satisfying The College of Liberal Arts and Sciences graduation requirements or ASU's General Studies requirements

## Audit grade option

Students may choose to audit courses in which they attend regularly scheduled class sessions but earn no credit. Students wishing to audit a course should obtain instructor approval before registering.

The audit grade option may not be changed after the drop/add period.

## Degree requirements

### The College graduation requirements

All students in The College of Liberal Arts and Sciences must complete the university General Studies requirements as well as all requirements of their major. In addition, The College has established requirements that are specific to the BA, BS and BS in planning degrees.

**Requirements for all college undergraduates:** All students are required to take a minimum of MAT 117 or higher, excluding MAT 110 and one-credit hour math courses. A grade of “C” (2.00 on a 4.00 scale) or better must be earned in the chosen mathematics course.

Each student admitted as a first-time freshman is required to complete a freshman success course or first-year seminar. These courses are designed to introduce students to The College and help them gain an understanding of what they will need to do to be successful students at ASU. Topics include academic success, academic integrity and student engagement.

**Bachelor of Arts:** Each student pursuing a Bachelor of Arts degree must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of “C” (2.00 on a 4.00 scale) or better in each course. The second-language course requirement may be fulfilled in one of the following ways:

- completion of second-language coursework at the intermediate level (202 or equivalent)\*
- a foreign language course at the 300 level or higher taught in the foreign language and having 202 or its equivalent as a prerequisite
- demonstrated completion of secondary education at a school in which the language of instruction is not English
- completion of SHS 202 American Sign Language IV or its equivalent

\*Those students completing this requirement in Ancient Greek must take GRK 301 and 302; students completing the requirement in Portuguese or Romanian must complete POR 314 or ROM 314.

**Bachelor of Science:** Each student pursuing a Bachelor of Science degree must complete six credit hours (two courses) of science and society courses. At least one course must be completed at the upper-division level and certain limitations apply to how courses may be cross-counted toward other degree requirements. Students should consult an advisor in the department or school of their major for a list of appropriate courses. More information about the requirement and a current list of science and society courses are available on The College's website at <https://thecollege.asu.edu/resources/science-society> [13].

### Major requirements

Each student is required to select a major from among the fields of study offered by The College. Major maps describe the requirements for completion of each degree program.

The department of the major may require up to 45 credit hours of coursework. The minimum is 30 hours. A maximum of 15 additional hours may be required in related courses and prerequisites. No more than 60 credit hours of coursework may be required to complete the major, related courses and prerequisites. Some departments require calculus-level mathematics and up to five of these credit hours may be excluded from the 60 credit hour maximum as they satisfy The College's mathematics proficiency requirement. A minimum of 12 upper-division hours in the major must be taken in residence and from courses offered by The College of Liberal Arts and Sciences.

No credit is granted toward fulfilling major or minor requirements in any upper-division course in that subject field unless the grade in that course is at least a “C” (2.00 on a 4.00 scale). In The College of Liberal Arts and Sciences, the assignment of a grade of “Y” (satisfactory) indicates a level of performance that would have resulted in a grade of at least “C” (2.00 on a 4.00 scale) had the normal grading scheme been used.

Students should see individual departmental websites for other minimum grade requirements.



Major fields of study are classified into the following three areas:

### **Humanities**

- Asia studies
- Asian languages (Chinese/Japanese)
- English\*
- film and media studies
- French
- German
- history\*
- international letters and cultures
- Italian
- Jewish studies
- philosophy
- religious studies
- Russian
- Spanish

### **Natural Sciences and Mathematics**

- actuarial science
- biochemistry
- biological sciences
- biophysics
- chemistry
- computational mathematical sciences
- Earth and environmental studies
- Earth and space exploration
- mathematics\*
- microbiology
- molecular bioscience and biotechnology
- neuroscience
- physics\*
- psychology

### **Social Sciences**

- African and African American studies
- American Indian studies
- anthropology
- applied mathematics for the life and social sciences
- Asian Pacific American studies
- civic and economic thought and leadership
- communication
- economics
- family and human development
- geographic information science
- geography
- global health
- global studies
- justice studies
- meteorology-climatology
- political science
- politics and the economy
- sociology
- transborder Chicana/o and Latina/o studies
- urban planning



- women and gender studies

\*degree programs offering a concentration in secondary education

### General electives

Most liberal arts and sciences majors can meet all the requirements stated above with fewer than the 120 credit hours required for graduation. Remaining hours are general electives that may be selected from any of the departments of The College of Liberal Arts and Sciences or from the offerings of other ASU schools and colleges.

### Concurrent degrees

The College allows students who have completed at least 30 graded credit hours with a minimum GPA of 2.00 to petition The College to pursue a concurrent degree. Concurrent degrees may not be from the same discipline or have overlap in the courses required for each major. In order to complete a concurrent degree, students must earn at least 30 unique credit hours applied toward the requirements for each majors' degree. Petition forms are available within the Concurrent Degree Checklist section of the Advising Resources and Forms [14] page on The College of Liberal Arts and Sciences website. The completed forms must be submitted by email to [clas@asu.edu](mailto:clas@asu.edu) [4] or delivered in person to The College of Liberal Arts and Sciences Academic Advising Hub on the first floor of Armstrong Hall.

Certain specially designed concurrent degree programs, viewable on Degree Search, may have different standards and requirements than individually selected ones.

### Reinstatement/Readmission

Students who have been academically disqualified from the university and have not attended for at least one regular semester can earn readmission to The College and to their majors. The first step for students seeking readmission is to complete the online undergraduate admission application [15]. Students will work with a director in The College of Liberal Arts and Sciences Academic Advising Hub to design a plan for returning to ASU. Any plan to earn readmission will be specific to the student's individual needs and directly address the factors that resulted in disqualification. The plan may include taking coursework at a two-year college and meeting specific GPA requirements to demonstrate readiness to return to ASU.

Students may arrange to speak with a director in one of The College academic advising hubs to develop a plan by calling 480-965-6506 or by emailing [clas@asu.edu](mailto:clas@asu.edu) [4]. Students are encouraged to discuss this plan at least a semester prior to the desired readmission date.

Disqualified students who were off track for two or more semesters at the time of their disqualification will not be automatically readmitted into their former majors. Students whose prior majors were in the Hugh Downs School of Human Communication must meet the specific criteria for readmission to that program.

### Graduate policies

Students should consult the individual school or department for information about requirements for graduate study.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies set forth by the Graduate College and The College of Liberal Arts and Sciences.

**Source URL:** [https://catalog.asu.edu/policies/liberal\\_arts](https://catalog.asu.edu/policies/liberal_arts)

#### Links:

- [1] <https://provost.asu.edu/academic-integrity>
- [2] <https://thecollege.asu.edu/resources/academic-integrity>
- [3] <https://eoss.asu.edu/dos/srr/codeofconduct>
- [4] <mailto:clas@asu.edu>
- [5] <https://eadvisor.asu.edu/>
- [6] <https://thecollege.asu.edu/advising/departments>
- [7] <https://students.asu.edu/readmission>

- [8] <https://eoss.asu.edu/cs/handshake>
- [9] <https://catalog.asu.edu/appeal>
- [10] <https://clas.asu.edu/resources/academic-grievance>
- [11] <https://thecollege.asu.edu/resources/advising>
- [12] <https://students.asu.edu/forms/application-pass-fail-enrollment>
- [13] <https://thecollege.asu.edu/resources/science-society>
- [14] <https://clas.asu.edu/resources/advising>
- [15] <https://admission.asu.edu/undergrad/readmission>

## College of Nursing and Health Innovation Policies

The College of Nursing and Health Innovation periodically needs to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical health care agency requirements; therefore, policies, protocols and procedures are subject to change. Students should confirm current policies, protocols and procedures for clinical placements with the respective student handbook [1]. Commonly referenced policies, protocols and procedures are given in the appendices of student handbooks.

Students interested in the undergraduate nursing programs, including the traditional prelicensure clinical nursing program, postbaccalaureate clinical nursing program, RN to BSN, RN to BSN concurrent enrollment program, and the Eastern Arizona College partnership program, may contact the College of Nursing and Health Innovation student academic services office at 602-496-0888 to obtain the most current information on college policies. The capacity to provide clinical learning experiences is subject to change; therefore, the capacity to enroll students in these programs may vary depending upon the availability of clinical learning experiences.

### Academic integrity

#### *Academic and professional integrity*

Academic honesty is expected of all students. Possible sanctions include appropriate grade penalties, disqualification and dismissal. The College of Nursing and Health Innovation adheres to the ASU student code of conduct and the CONHI academic and professional integrity protocol located in student handbooks. A copy of the student code of conduct may be obtained online at <https://provost.asu.edu/academic-integrity> [2] and a copy of the CONHI academic and professional integrity protocol may be obtained online at <https://nursingandhealth.asu.edu/student-life/current-students> [1]. Academic dishonesty is not tolerated in any course and is subject to specific College of Nursing and Health Innovation policies and procedures.

### Undergraduate policies

#### *Academic standing*

University standards for academic good standing are followed for all majors in the college. Students who do not maintain the minimum GPA after each fall or spring semester are placed on academic probation. Students on academic probation or continuing probation must meet with an academic advisor before registering for the subsequent semester. Students placed on academic probation have one semester to raise the cumulative or semester GPA to meet the academic good standing criteria; otherwise, they may be disqualified or be determined to be ineligible for the majors in this college. Disqualified students are not permitted to enroll for the fall or spring semesters.

eAdvisor tracking focuses on students who initially enroll as full-time freshmen, and the tool tracks their progress during the first four semesters. It identifies and outlines the critical courses, GPA requirements and milestones that predict success in each major. Students use major maps and progress reports to plan which courses to take each semester.

Students who do not meet critical requirements are notified they are off track, and off-track status is displayed on My ASU student pages. Off-track students are required to see an academic advisor before registering for or adding classes. Students off track for two consecutive semesters may be required to change majors, depending on the major. Students in the BSN nursing traditional prelicensure clinical nursing program, in alignment with continuing eligibility criteria, are required to change their major if they are off track for one semester.

Students pursuing the RN to BSN, the postbaccalaureate BSN or the concurrent enrollment program are not critically tracked.

#### *Advising*

Academic advising is an essential aspect of the educational experience and is provided by the college through the student academic services office. Academic advisors assist students with program planning, registration, preparation of petitions, verification of graduation requirements, referrals to university and community resources and career planning. ASU accepts coursework transferred from other accredited institutions, and the College of Nursing and Health Innovation determines if and how the courses will be applied.

The student academic services office is committed to ensuring that students reach their academic goals. This is done by monitoring student progress and providing the academic resources and personalized tools students need to get off to a good start and stay on track toward graduation. Students can monitor their own progress with the eAdvisor academic success resources at My ASU. More information on eAdvisor can be found at <https://eadvisor.asu.edu> [3].

Student responsibilities include following university guidelines regarding submission of transcripts from all colleges other than ASU, obtaining the necessary signatures or computer verifications required by the university, and following university procedures for matriculation. It is ultimately the responsibility of each student to fulfill academic and program requirements.

### **Mandatory advising**

All freshmen and new undergraduate transfer students are required to meet with an academic advisor before registering for courses. Students with academic probationary status and off-track students are required to meet with an academic advisor to plan strategies for improving academic standing. Students interested in transferring to the prelicensure nursing program must attend or view a BSN information session before a one-on-one academic advising appointment will be scheduled. Information session information is located at <https://nursingandhealth.asu.edu/admissions/information-sessions> [4].

## ***Credit/Registration***

### **Course load**

Students wishing to register for more than the maximum allowable credits in a term must contact their academic advisor to obtain an approved overload before registration. All prerequisite courses for the nursing programs must be taken for a letter grade. All upper-division nursing courses will be taken for a grade except for selected clinical courses in the prelicensure program that are taken for “P” (pass) or “Y” (satisfactory).

Students wishing to pursue concurrent degrees must petition the university standards committee and have approval from the College of Nursing and Health Innovation and from the college that offers the other chosen degree.

## ***Degree requirements***

### **RN to BSN program**

Applicants who have an associate degree in nursing or a nursing diploma and have their RN license must apply to the online RN to BSN program [5]. Potential students must have an active RN license in good standing in the state or country in which they are working. There is a minimum GPA of 2.50 for all undergraduate coursework. All prerequisites, including a statistics course, require a grade of a “C” or better.

The RN to BSN program courses are offered online and can be completed in 14 to 24 months. There are five starts per year: two in the fall, two in the spring, and one in the summer.

The RN to BSN program builds on the knowledge and skills the student learned in their associate degree or diploma program. The course assignments will enhance the student’s written and verbal communication skills, clinical reasoning skills and technology skills. Faculty members are leaders and experts in their practice areas. The faculty strive to prepare graduates who will be engaged, professional and innovative leaders who use evidence-based practice to facilitate positive change in the work environment and community. Graduates will demonstrate holistic population-based perspectives and be solution identifiers, client advocates and effective communicators.

The RN to BSN program has transfer pathway agreements with all the community colleges in Arizona. Students with an AAS from a community college in Arizona may be eligible for a pathway program. Students must have earned a 2.50 GPA in the following courses to be eligible for a pathway program: BIO 201, BIO 202, CHM 130/LL, BIO 205, ENG 101, ENG 102 and PSY 101.

Students who did not complete the AAS in the state of Arizona are eligible for the non-pathway program.

For more information on this program, students should view [https://asuonline.asu.edu/rnbsn?utm\\_source=nursing-journal&utm\\_medium=print&utm\\_campaign=Now2](https://asuonline.asu.edu/rnbsn?utm_source=nursing-journal&utm_medium=print&utm_campaign=Now2) [5].

## **Traditional Prelicensure Clinical Nursing program**

Admission requirements for the traditional prelicensure clinical nursing program are more rigorous than university requirements. Some entering freshmen will be directly admitted to the nursing major. Other students will be admitted to an alternative major, the BS in community health, and then compete for space in the nursing program. A competitive advancement process is utilized to fill any available seats in the TPCNP after placing directly admitted nursing major students. Spaces will be given to those students with the highest advancement score. Directly admitted nursing major students must meet continuing eligibility criteria each semester. If they fail to meet one or more of the criteria, they forfeit their direct admission nursing major status and may compete for advancement to the TPCNP.

### **Direct admission**

Students admitted with direct admission status upon entering ASU as a freshman nursing major must meet the continuing eligibility criteria outlined in their major map, each semester, to maintain this status. If direct admission is retained throughout the advancement process, students are guaranteed placement into the clinical nursing program within one year of the semester in which all 17 critical courses are completed. Direct admission students are not guaranteed their first preference. In the event the number of direct admission students requesting placement in a specific cohort is greater than the number of spaces available, placement will be determined by random selection.

### **Competitive advancement process**

Students in other majors, including nursing major students who have forfeited direct admission, are all eligible to compete for a space in the program through the competitive application process provided they have completed the prerequisite courses and all screening items. The advancement score for the TPCNP is composed of the select GPA and the TEAS score. Seats are given to the students with the highest advancement scores. For students applying through the competitive application process, the select GPA and the TEAS scores are used to rank students from high to low. After directly admitted students who meet continuing eligibility criteria are advanced, students who are the highest on the list are offered the remaining spaces in the TPCNP. Students not selected may choose to compete again in the next term. There is no limit on the number of times students may compete; a waiting list is not maintained. Students who do not meet the minimum select GPA and TEAS scores are withdrawn from consideration. Nursing faculty may opt to use additional criteria in the selection process.

**Select GPA for Competing Students:** The select GPA is computed based on 13 critical (prerequisite) courses and must include ENG 101, ENG 102, and three of the four lab sciences: BIO 201, BIO 202, CHM 101, MIC 205/206. Critical courses with a grade of “C” or better may not be repeated to improve the select GPA. Students should see a nursing academic advisor for possible replacement course options. Students who have already earned a bachelor’s degree may choose to use a “pass” grade rather than letter grades for ENG 101 and 102.

**Prerequisite and select GPA for Competing Students:** Students must have a minimum 3.25 in both their prerequisite GPA and select GPA. The average select GPA has been much greater than a 3.25 for those advanced into the program in previous semesters.

**TEAS for Competing Students:** Students will be measured in the basic essential skills in academic content areas of reading, mathematics, science, and English and language usage. To prepare for the exam, students should visit [www.atitesting.com](http://www.atitesting.com) [6] to review the resources available from the creators of the exam. The minimum required TEAS score is 58.7 percent. Direct admit students are not required to take the TEAS, but it is highly recommended.

Students who do not meet the minimum select GPA and TEAS scores are withdrawn from consideration.

## **Postbaccalaureate Clinical Nursing program**

In order to be considered for the PBCNP, all interested students must have a bachelor’s degree from a regionally accredited institution in a discipline other than nursing posted at ASU by the application deadline. Placement in the PBCNP is based on clinical space availability. More students may request placement than clinical space will allow. Placement is not guaranteed. The program is a 12-month program that begins during the spring semester and it includes the spring, summer and fall semesters. The program is offered only at the ASU Downtown Phoenix campus. Summer tuition rates apply for the summer semester and the program has a program fee.

The prerequisites for this program are BIO 201, BIO 202, CDE 232, CHM 101, HCR 220, HCR 240, MIC 205/206, NTR 241, PSY 101 and a statistics course that meets the General Studies CS requirement. Eight of the 10 courses must be completed by the application deadline with a minimum GPA of 3.50 for the semester in which the student applies. All four

science courses must be completed by the application deadline: BIO 201, BIO 202, CHM 101, and MIC 205/206. Science courses must be taken within seven years of the semester in which the program will start.

Grades of "C" (2.00) or better must be earned in each prerequisite course and a minimum cumulative GPA of 3.50 for the prerequisites mentioned above is required by December 31. Courses with a grade of "C" or better may not be repeated to improve the prerequisite GPA. Students should see their academic advisor for limited replacement course options.

Placement is based on a select GPA and a TEAS score of 58.7 percent or higher (taken less than one year prior to the application deadline). Eligibility requirements, criteria for placement and measurements are subject to change. The select GPA will be computed based on eight of 10 prerequisite courses. If only eight prerequisite courses are completed by the placement deadline, the student's select GPA will include all eight of the courses, four of which must be science courses. If the student has more than eight courses completed, they must select at least three of four lab sciences and then choose five other courses.

### **Concurrent Enrollment Program (CEP)**

The concurrent enrollment associate-baccalaureate nursing program is offered through participating community colleges. This program is designed for qualified nursing students who are interested in earning their BSN in nursing while simultaneously pursuing their AAS in nursing. Selected students will be enrolled in the community college program and ASU RN to BSN courses concurrently. RN to BSN courses taken at ASU will be delivered in an online format.

The concurrent enrollment program allows students to pursue an AAS in nursing via the community college while providing an affordable, concurrent course of study that enables students to complete their BSN degree in approximately one to two semesters after graduating with their AAS degrees.

ASU prerequisite requirements are BIO 201, BIO 202, CHM 101, PGS 101 or CDE 232, MIC 205/206, ENG 101 and 102, HCR 240, and the math requirement (MAT 117, 142, or higher), and students must have a 3.00 or greater GPA in these courses to be eligible for consideration.

More information about the Maricopa County Community College CEP is available at <https://www.maricopa.edu/academics/healthcare/maricopa-nursing/cep> [7]. For more information about concurrent enrollment programs at other community colleges, students should call 602-496-0937.

### **Course grades and currency**

Students in the nursing programs must earn grades of "C" (2.00) or better in all nursing coursework except in nursing practice courses in which a designation of a "Y" (satisfactory) or "P" (pass) grade is required. In addition, students are allowed only one nursing course failure (i.e., grade below "C"). The second failure in a nursing course will result in disqualification from the nursing major.

For the TPCNP and PBCNP programs, the science courses CHM 101, BIO 201, BIO 202, MIC 205 and MIC 206 must be current within seven years of the program start date.

Undergraduate nursing (prefix: NUR) courses expire after five years. After course expiration, students must re-enroll in the course and must earn a grade of C or higher. Students may earn university elective credit or general studies credit for the original course.

### **Program fees**

**Traditional Prelicensure Clinical Nursing Program:** Students directly admitted to ASU as a nursing major are charged \$1,000 per semester or term in addition to regular tuition while taking the critical (prerequisite) courses. All students advanced to the TPCNP, whether directly admitted or competitively admitted, are charged \$1,750 per semester or term for the four semesters or terms of the clinical program in addition to tuition charges. Fees are subject to change and are non-refundable.

**Postbaccalaureate Clinical Nursing Program:** There is a \$5,500 program fee per semester or term for the postbaccalaureate BSN concentration in addition to regular tuition and fees. This totals approximately \$16,500 in program fees plus regular tuition and fee charges. Fees are subject to change and are non-refundable.

All tuition and fees are subject to change.

## Concurrent degrees

Concurrent degrees are multiple degrees with one conferral date. The student receives both degrees at the same time regardless if coursework for one degree is completed prior to the other degree. To pursue concurrent degrees, students must be in good academic standing.

A student desiring a concurrent degree program must meet with an academic success specialist in both degree programs to learn about degree and graduation requirements and the eligibility requirements for submitting a petition. Both academic success specialists should review the graduation plan that outlines the courses the student will take each semester through graduation.

A student pursuing a concurrent degree must submit a university petition requesting the concurrent degree. <https://nursingandhealth.asu.edu/student-life/current-students> [1]

The concurrent degree petition must include:

1. an accurate degree completion plan that has been reviewed by academic success specialists from both degree programs and that shows the courses to be taken each semester through graduation
2. a formal statement outlining the request for concurrent degrees which may include short- and longer-term personal and career objectives and goals

The College of Nursing and Health Innovation petitions subcommittee will review the student's concurrent degree request. Concurrent degrees may not be from the same discipline or have significant overlap in the courses required for each major.

Approved petitions are forwarded to the university registrar for notation on the student's record.

To remove a concurrent degree, the student should email [CONHI\\_advising@asu.edu](mailto:CONHI_advising@asu.edu) [8] with the student's full name and ASU ID number as well as which degree the student wants to be removed from the academic record. If the student is pursuing any minors, the student must indicate if they wish to retain the minors.

## *Reinstatement/Readmission*

Disqualified students who have skipped a fall or spring semester must follow the procedures for readmission. Information about readmission to the university is at <https://admission.asu.edu/undergrad/readmission> [9]. Applications for reinstatement and readmission to nursing are subject to rigorous requirements that reflect admission and progression standards.

## *Other special requirements*

**Special Note:** The College of Nursing and Health Innovation periodically needs to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical health care agency requirements; therefore, policies, protocols and procedures with respect to clinical placement are subject to change. Students should confirm current policies, protocols and procedures with the student handbook at <https://nursingandhealth.asu.edu/current-students> [1].

## **Titers and immunizations**

Students should refer to the appropriate student handbook [1] and the nursing application guide for the most recent requirements.

## **Level one fingerprint clearance card**

Level one fingerprint clearance, in the form of a fingerprint clearance card, is required by Arizona state law in order to work with and care for children, the elderly and vulnerable adults. Fingerprint clearance is determined after a background screening process at the state and federal levels to check for criminal records. Students must have a valid, unrestricted fingerprint clearance card to advance to and remain in the clinical nursing programs. Students with concerns about a restriction may call the Arizona Department of Public Safety at 602-223-2279.

## Arizona State Board of Nursing requirement for RN licensure

Once students have completed their clinical nursing program, they must pass a national licensing examination known as the NCLEX-RN in order to obtain a nursing license. Application for and passage of the NCLEX-RN is the sole responsibility of the student. Arizona state law prohibits an individual convicted of a felony from applying for nursing licensure or certification until five years after the date of absolute discharge of the sentence. This means that all court-ordered terms of probation or parole must be completed at least five years prior to the date of application for nurse licensure. Each case is considered by the Arizona State Board of Nursing on its own merits. The elapse of five years does not guarantee licensure or certification; it simply permits the submission of an application and board consideration. In addition, the Arizona State Board of Nursing may deny any application for a license if the applicant has committed any acts of unprofessional conduct. Students should see the Arizona State Board of Nursing website at <http://www.azbn.gov> [10].

## Equal access

The college is committed to making learning experiences accessible and inclusive for all students, including those with an identified disability or disabling condition. In compliance with the ASU policy on Students with Disabilities [11], SSM 701-02, every effort will be made to accommodate students with special needs to find cost-effective methods to address the identified student condition and serve the needs of the patients. Accommodations may include resources and assistive aids for those students with cognitive and perceptual disabilities, specialized equipment for hearing or vision deficits, and modifications to the physical environment or clinical hours. Students with disabilities are required to document their condition with the Disability Resource Center upon admission to the college and to be key participants in identifying their needs. The college will provide reasonable and appropriate accommodations for any student who has documented a disability or disabling health condition.

## Supplemental requirements for the clinical nursing programs

The requirements specified in this section affect student ability to progress in the clinical nursing program course work, eligibility for clinical placement and to ultimately to be licensed as an RN.

**Cardiopulmonary Resuscitation/Basic Life Support Certification:** Proof of CPR/BLS health care provider certification is required. Students are required to keep the CPR/BLS certification current throughout advancement consideration and when enrolled in the prelicensure clinical nursing program.

**Federal and State Background Screening:** Students must have an unrestricted security background check to advance to and remain in clinical nursing programs.

**Substance Screen:** All students in clinical nursing programs will be required to complete a substance screen. Results of the screen must be negative. Dilute specimens are considered positive. Students will also be tested for nicotine; however, the presence of nicotine will not restrict enrollment in clinical coursework but will affect the clinical placements while in the program.

**Lawful Presence:** The college follows the Arizona State Board of Nursing policy regarding lawful presence in the United States. "On January 2, 2008, ARS 1-504 (HB2467) was implemented by the board requiring ALL applicants to provide the board with satisfactory documentation demonstrating the applicants' citizenship, alien status, legal residency or lawful presence in the United States."  
(<http://www.azbn.gov/Documents/Newsletters/2008/Journal%201st%20Quarter%202008.pdf> [12], page 23).

**Required Clinical Experiences:** Clinical hours vary with facility placement and may include 12-hour blocks of time, weekends and evenings. Flexibility is required since there are a limited number of available clinical sites for student experiences. Students must have the ability to utilize written, verbal and computerized communication with faculty, peers and other health care professionals. Students are expected to demonstrate the ability to think critically and apply nursing knowledge to clinical situations. Students are also required to accept professional supervision from faculty and designated staff and effectively integrate feedback into practice.



## Graduate policies

### *Additional policies*

**Academic Advising:** Prospective graduate students may receive information through the college recruitment office at 602-496-0937 or nursingandhealth@asu.edu [13]. Upon admission, each student is assigned a faculty advisor or mentor within the degree or certificate program or area of concentration.

Students should review the student handbooks for the College of Nursing and Health Innovation for information regarding graduate academic procedures and protocols: Graduate Programs in the College of Nursing and Healthcare Innovation Student Handbooks [1].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the College of Nursing and Health Innovation.

**Source URL:** <https://catalog.asu.edu/policies/nursing>

#### **Links:**

- [1] <https://nursingandhealth.asu.edu/student-life/current-students>
- [2] <https://provost.asu.edu/academic-integrity>
- [3] <https://eadvisor.asu.edu/>
- [4] <https://nursingandhealth.asu.edu/admissions/information-sessions>
- [5] [https://asuonline.asu.edu/rnbsn?utm\\_source=nursing-journal&utm\\_medium=print&utm\\_campaign=Now2](https://asuonline.asu.edu/rnbsn?utm_source=nursing-journal&utm_medium=print&utm_campaign=Now2)
- [6] <http://www.atitesting.com/>
- [7] <https://www.maricopa.edu/academics/healthcare/maricopa-nursing/cep>
- [8] [mailto:CONHI\\_advising@asu.edu](mailto:CONHI_advising@asu.edu)
- [9] <https://admission.asu.edu/undergrad/readmission>
- [10] <http://www.azbn.gov>
- [11] <http://www.asu.edu/aad/manuals/ssm/ssm701-02.html>
- [12] <http://www.azbn.gov/Documents/Newsletters/2008/Journal%201st%20Quarter%202008.pdf>
- [13] <mailto:nursingandhealth@asu.edu>

## Watts College of Public Service and Community Solutions Policies

The Watts College of Public Service and Community Solutions believes our students are our greatest resource. We strive to put the well-being of our students at the center of every policy and program. Each student situation is unique, and we encourage our students to work directly with our talented advising staff to address concerns and issues within the stated policies and procedures.

### Academic integrity

The Watts College of Public Service and Community Solutions academic integrity process models the ASU process. For more information on the process, including next steps, students should see <https://publicservice.asu.edu/grievance-process> [1].

### Undergraduate policies

#### Academic standing

Students in the Watts College of Public Service and Community Solutions are considered to be in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU. Certain majors within the Watts College of Public Service and Community Solutions may require a progressively higher GPA than 2.00 as a student advances toward their degree. These requirements are outlined in the student's major map.

#### Changing majors

A student transferring into the Watts College of Public Service and Community Solutions should have a GPA of 2.00 or greater.

#### Probation

Any student who does not maintain good standing is placed on academic probation. A student on academic probation is required to observe any limitations or rules the college may impose as a condition for retention.

#### Disqualification

A student who is on probation becomes disqualified if one of the following occurs:

- The student has not returned to good standing.
- The student has not met the required semester GPA.

Disqualification is exercised at the discretion of the college and becomes effective on the first day of the fall or spring semester following college action. A disqualified student is notified by the dean of the college and is not allowed to register for a fall or spring semester at the university until reinstated. A student who is disqualified may not attend as a nondegree student.

#### Advising

The following categories of students are required to receive advising and be cleared by a program advisor before they may register for classes:

- all freshmen
- all students majoring in social work
- readmitted students
- students on probation
- students who have been disqualified
- students with special admission status
- students with admission competency deficiencies
- transfer students in the first semester at ASU

## *Credit/Registration*

### **Course load**

A normal course load per semester is 15 or 16 credit hours. The maximum number of hours for which a student can register is 18 credit hours unless an overload petition has been filed with and approved by the department or school standards committee and dean or dean's designee. Semester course loads may be further limited for students in mandatory advising. Petitions for overload ordinarily are not approved for students who have a cumulative GPA less than 3.00 and who do not state valid reasons for the need to register for the credits. Students who register for an excess of 18 credit hours and do not have an approved overload petition on file may have courses randomly removed through an administrative drop action. Specific degree requirements are explained in detail under the respective college, school and department sections.

## *Degree requirements*

### **Interdisciplinary public service requirement**

The Watts College of Public Service and Community Solutions has a college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the interdisciplinary public service requirement. Each student must complete coursework from other schools within the college. Students may choose a core course from their major and two courses from the approved course list for this requirement in addition to completing ASU 101-CPP. ASU 101-CPP must be completed in the first year at ASU; the other courses can be taken while completing the degree. The approved course list for each catalog year is available on the major map. Questions about this requirement should be directed to the academic advisor for the major.

### **Solution-based learning requirement**

The Watts College of Public Service and Community Solutions has a college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the solution-based learning requirement. Each student must complete coursework from their school or another school within the college that has an SBL designation. Students must choose a course from the SBL list to meet this requirement. The approved course list for each catalog year is available on the major map. Questions about this requirement should be directed to the academic advisor for the major.

### **Concurrent degrees**

The Watts College of Public Service and Community Solutions supports students who wish to pursue concurrent degrees. The structure of a student's academic program is customized to meet degree requirements for both programs of study. Students are encouraged to meet with an academic advisor from each degree to establish a feasible program of study.

## *Reinstatement/Readmission*

Students seeking reinstatement after disqualification should contact the Watts College of Public Service and Community Solutions student services office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmission process. All academic disciplinary action is the function of the Watts College of Public Service and Community Solutions student services office (in UCENT 780) under the direction of the dean of the college. Students having academic problems should call this office for advising at 602-496-0600.

The mission of the Watts College of Public Service and Community Solutions professional academic advising staff is to assist students in developing meaningful educational plans for meeting their academic, career and personal goals; this is done through an ongoing process of evaluation and clarification. The advisors strive to perform their duties in a professional, ethical, confidential, accurate and supportive manner, respecting student diversity and needs and always holding the individual in highest regard. The student and advisor should accomplish this process in a spirit of shared responsibility to help the student develop academic excellence, strong decision-making skills and self-reliance. A student who has been admitted to the Watts College of Public Services and Community Solutions is assigned an academic advisor from the academic unit of the student's major area of study. Questions about advising should be directed to the student's academic advisor or to the Watts College of Public Service and Community Solutions student services office.

## Graduate policies

### *Advising*

Advising is usually handled by graduate faculty or a committee. Once admitted, each student is typically assigned a temporary faculty advisor in the potential areas of specialization; this advisor assists in planning a course of study. For those degree programs requiring the completion of a thesis, a chair and thesis supervisory committee are selected by the director of graduate studies, in consultation with the student and appointed by the dean of the Graduate College. Each graduate degree program in the Watts College of Public Service and Community Solutions has its own set of policies regarding academic performance expectations. Students should contact their graduate advisor to review policies relevant to their degree.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Watts College of Public Service and Community Solutions.

**Source URL:** [https://catalog.asu.edu/policies/public\\_programs](https://catalog.asu.edu/policies/public_programs)

**Links:**

[1] <https://publicservice.asu.edu/grievance-process>

# School of Sustainability Policies

## Academic integrity

The School of Sustainability adheres to ASU's academic integrity policies and procedures [1]. Additional information can be found on the school's undergraduate [2] and graduate policies, procedures and forms [3] pages.

## Undergraduate policies

Additional School of Sustainability Undergraduate Policies, Procedures and Forms [2] can be found online.

## Academic standing

### Student responsibilities

Students need to make many decisions as they complete their degrees. While the school and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help in the decision-making process, students are expected to take responsibility for their decisions.

### Good standing

Students in the School of Sustainability are considered in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU and maintain critical requirements within the major, which may include higher GPA expectations; students should refer to the major map for their catalog year.

### Critical requirements

All sustainability students must meet critical requirements for their intended majors. Students who do not comply with the critical requirements are off track and will have holds placed on their records. They will have to meet with their advisors to have the holds removed. Further registration in their intended majors may not be permitted for those students who still do not meet all critical requirements in the following semester. Students who are off track for two consecutive semesters may be required to change their major.

### Probation

Students who do not maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU are placed on academic probation. Before students on probation can register for classes in the next semester, they are required to complete an academic success contract with an advisor and discuss campus academic resources, plan semester goals and discuss strategies to attain academic success. Students on academic probation may be limited to the number of credit hours they can enroll in, must enroll in UNI 220 Academic Refresher, and must also do one of the following:

1. During the next semester, students on probation must raise their cumulative ASU GPA to 2.00 or greater in order to return to good academic standing.
2. They must obtain a semester GPA of 2.50 with no grade lower than a "C" in order to be granted one additional semester on continuing probation, providing them with two semesters to return to good academic standing and avoid disqualification.

In addition, students who have fewer than 24 credit hours will be required to participate in the ASU Pathway for Achieving Student Success program [4].

### Disqualification

Students who do not meet probation requirements are subject to disqualification. Disqualified students are not able to register for classes in the fall or spring semester at the university, and students who already registered for future fall or spring semesters will have their registrations canceled.

## Advising

The School of Sustainability's Student Services Center assists students in achieving their personal, educational, cultural and career goals while becoming self-directed, lifelong learners. The school encourages students to meet with an advisor at least once a semester and requires that students meet with an advisor at four points during their academic career:

1. new-student advising (all newly admitted students)
2. sustainability success advising (during the first semester to plan for the second semester)
3. pivotal advising (when students typically declare their track and related discipline)
4. launchpad advising (to prepare for capstone experiences and planning for post graduation)

Office hours are Monday through Friday (excluding university holidays), 9 a.m. to 4 p.m. Students should schedule their advising appointments in advance online through My ASU [5] or this direct link [6] so advisors can set aside the appropriate time to answer all their questions.

## Degree requirements

### School graduation requirements

All students in the School of Sustainability must complete the university General Studies requirement as well as all requirements for their majors. In addition, the school has established requirements that are specific to the BA and BS:

1. SOS 191 requirement: All incoming freshmen must complete SOS 191 Introduction to ASU and Sustainability with a grade of "C" or better. All incoming transfer students must complete SOS 201 Introduction to ASU and Sustainability with a grade of "Y".
2. Statistics requirement: All students are required to complete STP 226 Elements of Statistics or additional statistics course options as approved by the school.
3. Second-language requirement: All students must fulfill the second-language requirement (see below).

### Second language requirement

**Bachelor of Arts:** Any student pursuing a BA in the School of Sustainability must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or better in each course. Second-language course requirements may be fulfilled by one of the following:

- completion of second-language coursework at the intermediate level (202 or equivalent)\*
- a second-language course at the 300 level or higher taught in the second language and having 202 or its equivalent as a prerequisite
- completion of secondary education at a school in which the language of instruction was not English

\*Those students completing this requirement in Ancient Greek must take GRK 301 and 302; students completing the requirement in Portuguese or Romanian must complete POR 314 or ROM 314.

**Bachelor of Science:** Any student pursuing a BS in the School of Sustainability must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or better in each course. Second-language course requirements may be fulfilled by one of the following:

- completion of second-language coursework at the introductory level (102 or equivalent)
- a second-language course at the 200 level or higher taught in the second language and having 102 or its equivalent as a prerequisite
- completion of secondary education at a school in which the language of instruction is not English

The School of Sustainability also requires a cumulative ASU GPA of 2.50 and a 3.00 SOS GPA in order to graduate with a BA or BS in sustainability.

### Concurrent degrees

The School of Sustainability has some formal agreements and major maps [7] in place for concurrent degrees, but students are not limited to these agreements.

Students may seek approval to pursue concurrent degrees with the School of Sustainability after they have completed at least 30 credit hours at ASU. To be eligible to add a BA or BS in sustainability as a concurrent degree, students must have a cumulative ASU GPA of 3.00.

Students interested in declaring a concurrent sustainability degree or current sustainability students interested in declaring a concurrent degree should schedule an appointment [8] with a sustainability advisor to complete a School of Sustainability Standards Petition [9]. Concurrent degrees must be approved by the academic units for both degree programs, so students also need to meet the eligibility criteria and follow the process outlined by the other academic unit as well.

Degree combinations with too great an overlap between the required courses for each major will not be approved. For example, students may not pursue a BA or BS in sustainability as well as a BA in business with a concentration in sustainability or a BA in interdisciplinary studies with a concentration in sustainability.

### ***Reinstatement/Readmission***

Students seeking reinstatement after disqualification or readmission after absence from the university should contact the School of Sustainability office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmission process [10].

### ***Other special requirements***

#### **Student appeal procedure on grades**

The School of Sustainability follows the university policy for student appeal procedure on grades [11]. Additional information can be found on the school's undergraduate [2] and graduate policies, procedures and forms [3] pages.

### **Graduate policies**

Additional School of Sustainability Graduate Policies, Procedures and Forms [3] can be found online.

Graduate students should refer to the School of Sustainability graduate handbooks for information about graduate policies and academic standards.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those outlined by the Graduate College and the School of Sustainability.

Students should contact the school for more information, at SOSGradAdvising@asu.edu [12] or 480-727-6963.

**Source URL:** <https://catalog.asu.edu/policies/sustainability>

#### **Links:**

[1] <https://provost.asu.edu/academic-integrity>

[2] <https://schoolofsustainability.asu.edu/student-life/undergraduate-policies-procedures-forms/>

[3] <https://schoolofsustainability.asu.edu/student-life/graduate-policies-procedures-forms/>

[4] <https://tutoring.asu.edu/success-programs/pass>

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

[6] [https://webapp4.asu.edu/advsched/?init=false&acad\\_org=CSS&nopassive=true](https://webapp4.asu.edu/advsched/?init=false&acad_org=CSS&nopassive=true)

[7] <https://webapp4.asu.edu/programs/t5/programs/Concurrent/all/undergrad/false>

[8] [https://webapp4.asu.edu/advsched/?acad\\_org=CSS](https://webapp4.asu.edu/advsched/?acad_org=CSS)

[9] <https://static.sustainability.asu.edu/sosMS-uploads/sites/58/2015/09/SOS-Undergraduate-Standards-Petition.pdf>

[10] <https://admission.asu.edu/undergrad/readmission>

[11] <https://catalog.asu.edu/appeal>

[12] <mailto:SOSGradAdvising@asu.edu>



## Mary Lou Fulton Teachers College Policies

ASU's Mary Lou Fulton Teachers College creates knowledge, mobilizes people and takes action to improve education. Mary Lou Fulton Teachers College faculty create knowledge by drawing from a wide range of academic disciplines to gain insight into important questions about the quality of teaching and learning and the performance of education systems. Mary Lou Fulton Teachers College mobilizes people through bachelor's, master's and doctoral degree programs, through non-degree professional development programs and through socially embedded, multilateral community engagement. Mary Lou Fulton Teachers College takes action by bringing people and ideas together to increase the innovation capabilities of individual educators, schools and organizations, districts and communities.

Mary Lou Fulton Teachers College embraces a core value of "principled innovation" through which we hold ourselves accountable to three imperatives:

**Economic imperative:** We need to prepare learners for the next economy.

**Democratic imperative:** We need to prepare students to become part of an educated citizenry capable of assuming the responsibilities of self-government and of participating in a thriving civil society.

**Equity imperative:** We need to deliver equitable and excellent education to all learners.

For more information, students should visit <https://education.asu.edu> [1].

### Academic integrity

Students in Mary Lou Fulton Teachers College who do not exhibit integrity and professional behavior in the classroom or when in the field are referred to the college administration for disciplinary action. Students should refer to the ASU Student Academic Integrity Policy at <https://provost.asu.edu/academic-integrity> [2] for more information.

## Undergraduate policies

### Academic standing

#### SATISFACTORY ACADEMIC PROGRESS AND PROFESSIONAL CONDUCT POLICY

In order to remain in good standing in the Mary Lou Fulton Teachers College, students must maintain satisfactory academic progress consisting of both academic performance and adherence to the Teachers College Professional Responsibilities Standards. This document sets forth the standards and expectations for satisfactory academic progress and good standing and explains the consequences of failure to meet these standards.

In addition to the policies stated herein, students are expected to abide by applicable university and Arizona Board of Regents policies, including the ASU Student Code of Conduct (<https://eoss.asu.edu/dos/srr/codeofconduct> [3]), the ASU Student Academic Integrity Policy (<https://provost.asu.edu/academic-integrity> [2]), as well as all policies, procedures, rules, regulations and requirements established by the local education agency, school district, or school in which they are engaged in field experience or student teaching (for certification students). Failure to do so may lead to consequences that include dismissal from the program and expulsion from the university.

#### Section I: Academic Performance Requirements

##### A. Satisfactory Academic Progress

Advisors conduct ongoing reviews of students' academic and professional performance in order to determine retention and continuation status. Students with records containing indicators of professional or academic concerns may be placed on academic probation or academic suspension or may be dismissed (permanently removed) from their programs or from the college.

To meet satisfactory academic requirements, all undergraduate students must:

1. Maintain a minimum overall cumulative GPA of at least 2.00 during their freshmen and sophomore years. Teacher certification students must maintain a cumulative ASU GPA of 2.50 or greater during their junior and senior years.



2. Achieve a "C" grade or better in all courses listed on the plan or program of study, including secondary education content area courses. Earning a grade of "W" or "I" in more than one course may be considered a lack of academic progress.
3. Pass all required clinical experiences, including internships, apprentice teaching and student teaching, with a grade of "C" or better.
4. Maintain good standing as outlined in the professional responsibilities standards section. Students who violate professional responsibilities may be placed on academic probation or suspension or may be recommended for dismissal.

## Definitions

**Academic probation:** This is the status assigned to a student who has failed to maintain satisfactory academic progress, also referred to as not in good academic standing. A student placed on academic probation is informed of the areas in which program standards are not being met and the actions the student must take to be removed from academic probation and restored to good standing. A student failing to meet the conditions for reinstatement to good standing may be recommended for dismissal from the program.

A student placed on academic probation will be permitted to progress into the next term (unless the next term includes student teaching) while addressing the deficiency. A student who is on academic probation in which the next term requires student teaching needs to meet with his or her advisor to discuss options for the semester.

**Academic suspension:** An undergraduate student placed on academic suspension may not progress into the next term until all deficiencies have been resolved. Students are required to complete their deficiencies within one calendar year. Failure to do so results in dismissal from the program.

**Deficiency:** This term describes a required course or another program criterion, such as coursework or GPA, which was not met or was not successfully completed.

**Dismissal:** Administrative removal from the clinical experience, from student teaching or the iTeachAZ courses, from the degree program, or from the college is referred to as dismissal.

When the student is notified of a dismissal, he or she must participate in the development of a professional improvement plan. The student's current and future status is determined by the terms of the professional improvement plan.

**Professional Improvement Plan:** A professional improvement plan is a tool designed to support students who may be at risk of not progressing in their major or academic plan. The PIP outlines specific action steps a student must complete in order to maintain or return to good standing within their major or academic plan. These are the typical reasons for placement on a PIP:

- poor academic standing (i.e., ongoing academic deficiencies across coursework)
- issues regarding professionalism (classes or clinical experience)
- academic integrity violation (plagiarism, cheating, etc.)

Any ASU representative or district partner may refer a student for placement on a PIP. Students who are referred for a PIP will meet with the assistant division director and director of student services to develop a plan for success in the Teachers College.

A student is prevented from further enrollment in any initial teacher or administrator program for any of the following reasons:

- expulsion from Arizona State University
- failure to meet the professional responsibilities outlined in the Mary Lou Fulton Teachers College Professional Responsibilities Standards and the ASU Student Code of Conduct
- failure to resolve academic deficiencies
- noncompliance with a professional improvement plan

## B. Unsatisfactory Academic Progress Consequences

### GPA and Grade Deficiencies

**Academic Probation:** Academic probation may be imposed if a student has one of the deficiencies listed below. A student placed on probation will be permitted to progress into the next term (unless the next term includes student

teaching, an applied project or culminating experience) while addressing the deficiency. A student who is placed on probation in which the next term requires student teaching will need to meet with their advisor to discuss options for the semester.

**Academic Suspension:** Academic suspension may be imposed if an undergraduate student has two or more of the deficiencies listed. An undergraduate student placed on academic suspension may not progress into the next term until all deficiencies have been resolved. Students are required to complete their deficiencies within one calendar year. Failure to do so may result in dismissal from the program.

Deficiencies for undergraduate students:

1. a cumulative GPA less than 2.00 or 2.50 for teacher certification students in the junior and senior years
2. an "I" in an education course or secondary education content course
3. a grade of "D", "E", or "W" in an education course
4. a grade of "D" or "E" in a required secondary education content course

**Students who enroll in a course that requires a field observation while not currently enrolled in a clinical experience course that semester are required to enroll in a USL course; failure to successfully complete the required USL course will result in suspension.** Students can choose from USL 210, 216, 402 or 410, and they must obtain the registration and information from their advisor.

Undergraduate students are not approved for student teaching if they are on academic probation or suspension. Once a student returns to good standing, the student is approved for student teaching.

### **Clinical Experience Deficiencies - Undergraduate Students**

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

1. A student who fails a clinical experience or internship course may be allowed to retake the clinical experience or internship one time if the reasons for failure are judged to be remediable. If a student is permitted to retake the clinical experience or internship and fails to pass the second time, the student will be dismissed from the program.
2. In some cases, clinical experience or internship issues may be nonremediable. These may include actions that cause the sponsoring school district or other organization to suspend or dismiss an intern or teacher or administrator candidate or to demand that the student teacher or intern be removed from the clinical placement or internship due to violations of the professional responsibilities standards, violations of a professional code of conduct, district policy, or state or federal law, or engages in other inappropriate behavior. The division determines, based on information from the supervisor, the mentor teacher, the school district, other sponsoring organization, and the student, whether the student actions warrant immediate dismissal from the program without benefit of a period of academic probation or another attempt to pass the clinical experience or internship.

**Students who fail a clinical experience are required to attend a meeting with the division director or designee and director of student services to determine if they are able to retake the clinical experience. Students should refer to grade appeal process for more information.**

### **C. Reinstatement to Good Academic Standing**

To be restored to good academic standing:

1. A student must maintain or improve grades to meet the academic performance requirements.
2. An initial teacher candidate must meet the expectations of any professional improvement plan related to satisfactory academic progress or professionalism while in the program.

**SPECIAL NOTE:** A student on probation for lack of satisfactory progress in one area (e.g., academic progress or professional responsibilities) who subsequently fails to maintain good standing in the other area is recommended for dismissal. Return to good standing requires satisfactory progress in both areas during the time on probation. Sequential semesters of probation for repeated failures to maintain satisfactory progress are not considered.

## Section II: Professional Responsibilities (Conduct)

### A. Satisfactory Progress

Professional work is marked by a particular responsibility to the clients served. Educators are trusted with significant power and authority over students and must demonstrate that they adhere to the standards of the profession. Therefore, in addition to academic progress requirements, students are evaluated with regard to Professional Responsibilities Standards as described in this document.

The Mary Lou Fulton Teachers College Professional Responsibilities Standards show the required expectations for all students.

- All initial teacher or administrator students are expected to meet the professionalism standards in Sections A, B, C, and D at the “applying” level, as a minimum, throughout their course of study.
- Students in noncertification programs are expected to exhibit professional conduct by meeting all standards in Sections A and B at the “emerging” level, as a minimum, throughout their course of study. Showing professionalism and growing and developing professionally are expected in all clinical experiences; in PreK-12 school-related settings; and in university settings, including in interactions with university faculty and staff.

### B. Unsatisfactory Progress --- Professional Responsibilities

Students are informed of an allegation of a violation of or lack of compliance with the Professional Responsibilities Standards, and they have an opportunity to respond. As a general rule, the college seeks to assist students to become professionals by working with the students to develop and improve professional conduct. Students accused of violating or not complying with the professional responsibilities standards meet with the division director or designee and the director of student services or those otherwise appointed to discuss allegations, and they will be informed of their status in the program after the meeting. Possible sanctions include academic probation, suspension, disqualification or dismissal from the initial teacher certification program.

All other university policies regarding student conduct are in addition to these requirements, and infractions of the ASU Student Code of Conduct may result in additional investigations and consequences through university procedures.

### C. Dismissal from Clinical Experiences (Internship or Student Teaching)

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

In the event a school district requests that a student be dismissed from an internship or student teaching placement for unprofessional or inappropriate behavior, the intern or teacher candidate is required to attend a meeting with the division director or designee, the senior director of student services, and other college representatives as determined by the division director to discuss the reasons for request for dismissal from the internship or student teaching placement. If it is determined that the allegations of a violation of unprofessional behavior resulting in the request for dismissal from the school or district are warranted, one or all of the following actions may result. The intern or teacher candidate:

- will be dismissed from the internship or student teaching placement
- will receive a failing grade of "E" for the internship or student teaching course\*
- will not be assigned another internship or student teaching placement during the same semester in which the teacher candidate was assigned a failing grade
- may not withdraw from the internship or clinical experience course or from the student teaching course\*\*
- must withdraw from all courses that require concurrent enrollment with the internship or student teaching

\*If an intern or teacher candidate wishes to appeal the "E" grade, the candidate can follow the grade appeal process as outlined on the Teachers College website. The first step in the grade appeal process is to meet with the course instructor. Students have 10 business days to appeal a grade.

\*\*If a withdrawal is processed by the Office of the Registrar, the grade will be administratively changed to an "E".

If a teacher candidate wishes to repeat the internship or student teaching and concurrent course work during the semester following the dismissal, the teacher candidate must show evidence of how they plan to resolve the situation or circumstances, which resulted in the removal from the internship or student teaching. The teacher or administrator

candidate will be required to meet with the division director or designee and the senior director of student services to develop a professional improvement plan outlining expectations for continued professional growth and academic development.

In the event that the teacher or administrator candidate violates the rules, policies or procedures for conduct established by the school, district, local education agency, ASU, Teachers College, or the law while on a PIP for unprofessional behavior, the teacher or administrator candidate will be dismissed from the initial teacher or administrator program. Teacher or administrator candidates who are dismissed may not petition to continue in their current academic plan, but may be eligible to pursue other noncertification degree options within Teachers College (i.e., educational studies, master's degree without certification) or within other colleges at ASU.

## APPEAL PROCESS

### Academic Probation

There is no appeal from the action of being placed on probation. Probation provides warning to the student of the potential for suspension or dismissal.

### Grade Appeals

#### Reasons for Grade Appeal

A student may appeal a grade only when the student can document that one or a combination of the following has occurred:

1. The instructor erred in calculating points or acknowledging timely submission of assignments.
2. The instructor did not apply grading standards equitably; for example, there is evidence of bias due to race, age, sex, religion or national origin.
3. The instructor did not assign grades consistently with the standards and procedures for evaluation announced at the beginning of the course in the course syllabus. The instructor may amend or supplement the standards and procedures during the course by providing written or oral notice to the entire class.

#### Grade Appeal Procedure

To receive consideration, grade appeals must be submitted to the course instructor within 10 business days of the last date for posting final grades, as noted in the academic calendar. The academic calendar is available at <https://students.asu.edu/academic-calendar> [4].

**Step One:** Informal Meeting with Instructor – This step is mandatory and applies to an appeal of course grades only.

1. The student must contact the instructor of the course and submit the attached grade appeal. The student must provide to the instructor any additional relevant documentation to support the appeal and reasons for disputing the grade. The narrative accompanying the grade appeal form may not exceed five double-spaced pages.
2. The student must meet with the instructor either face to face or (in the case of online classes only) virtually. If this meeting does not resolve the grievance, the student may move to step two and submit the grade appeal form to the appropriate contact in the Office of Student Services.

If the required meeting with the instructor has not taken place, the appeal will be accepted only if the student supplies evidence that the student contacted the instructor and either received no reply within five business days or was unable to schedule a meeting within 10 business days of the date of contact.

**Step Two:** Submit Grievance to Office of Student Services – If the grievance is not resolved in step one, the student should contact the executive director of academic services at 480-965-5555.

**Step Three:** Division Director Reviews Grade Appeal – The executive director of student services will review the grade appeal and may request additional information if needed. The grade appeal will be forwarded to the division director for review.

- Undergraduate programs and graduate certification program appeals will be sent to the division director.

The division director will review all information and will notify the student of the outcome.

#### **Step Four: Appeal Decision to the Dean**

- Per university policy, the student may appeal the division director's decision to the dean, whose decision is final. The students must appeal within five business days of receiving the letter from the division director. The letter will contain information regarding how the appeal should be submitted.
- Only the issue appealed to the division director may be appealed; no new issues or complaints may be added.
- The dean or designee has full discretion as to whether to refer the appeal to the Student Issues Committee (also known as the college Academic Grievance Committee). Students should see <https://catalog.asu.edu/appeal> [5] for university policies on grade appeals.
- The student will be notified by mail of the outcome. The decision of the Student Issues Committee (dean's designee) is final.

**It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.**

More information on university grading policies is at <https://catalog.asu.edu/appeal> [5].

During the time of the appeal, a student may register for courses; however, if the appeal is denied and the student is withdrawn, university policies on tuition refunds will be applied. Any concerns about tuition charges should be addressed to the registrar's office.

#### **Advising**

The Office of Student Services is dedicated to providing students with the very best academic support and guidance in every phase of a student's academic program. Academic program advisors provide students with assistance in selecting classes and in fulfilling program requirements. Each ASU campus has dedicated academic advisors knowledgeable about all Teachers College programs. Students should see <https://education.asu.edu/student-life/student-services-undergraduate> [6] or <https://sites.google.com/a/asu.edu/tc-graduate-student-resources/introduction/student-success-staff> [7] for advising locations and contact information. Students are encouraged to meet with their advisors every semester.

#### **Credit/Registration**

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires college academic advisor approval.

#### **Audit**

Teachers College students are permitted to audit any course that is not part of the iTeachAZ curriculum. Additional university fees are assigned to courses when the audit option is chosen.

#### **Course prerequisites**

Enrollment in upper-division iTeachAZ course work requires approval from Teachers College. Students should review current course descriptions for course prerequisites.

#### **Incomplete grades**

Incomplete grades will only be issued if a student is in good standing in the course and experiences an extenuating situation just prior to the end of the term. Courses not leading to Arizona teacher certification must be completed one calendar year from the initial grade assignment. Students enrolled in the professional program must complete courses for which they received "I" (incomplete) grades before the start of student teaching.

#### **Grade appeals**

The undergraduate grade appeal policy is available from academic advisors in the Office of Student Services or at <https://education.asu.edu/mymlftc/student-forms-policies> [8]. Students attempting to appeal grades must first discuss the reasons with the course instructors. Appeals must be filed by the deadline stated in the policy.

#### **Pass/Fail**

A "Y" (satisfactory) grade is assigned to a passed course and an "E" grade is assigned to a failed course. Only the "E" grade is computed in the ASU cumulative GPA.

## Transfer

Students may transfer a maximum of 64 credits from two-year institutions. There is no limit to the number of credits transferred from four-year institutions. Students interested in substituting previous teacher preparation courses for current professional program Teachers College courses must submit the petition for adjustment of requirements to the Office of Student Services at their chosen campuses.

Any transfer student who is interested in starting iTeachAZ must submit an online form; have a 2.50 cumulative GPA; have completed 60 credit hours; and, fulfill specific course requirements as outlined by each education major. Students who complete the Associate of Arts in elementary education, Transfer Admission Guarantee and Maricopa-ASU Pathways Program will meet the requirements for progression into the professional program.

## Withdrawal

Students should review the Mary Lou Fulton Teachers College undergraduate withdrawal policy at <https://education.asu.edu/mymlftc/student-forms-policies> [8] and the current university withdrawal procedures at <https://students.asu.edu/drop-add> [9]. It is each student's responsibility to withdraw from courses. Students are not automatically withdrawn for nonattendance.

## Degree requirements

Students who begin at ASU as freshmen follow the major maps for their chosen programs. The major map is an outline that students follow each term for enrollment. Students who have attended only ASU have their progress reviewed at the completion of each term to ensure that they are on track for graduation. Transfer students must attend an advising session in which they will learn the degree requirements as well as minimum eligibility requirements for degree completion. Students must fulfill clinical experience, student teaching or service learning requirements as part of degree completion. Mary Lou Fulton Teachers College is committed to providing support and resources for students needing academic or professional growth assistance.

To be in good standing in Mary Lou Fulton Teachers College, students must maintain an overall cumulative GPA of 2.00 or greater (2.50 GPA for teacher certification students in junior and senior years) and earn a "C" grade (2.00) in all education courses. Students are evaluated in accordance with the Mary Lou Fulton Teachers College retention and continuation policy. Students in the program are formally reviewed regarding their academic progress to determine retention and continuation status. Students with records that contain indicators of professional or academic concerns will be placed on probation, suspension or permanently removed from their programs.

Students who exhibit unprofessional behaviors or attributes are required to meet with a Mary Lou Fulton Teachers College administrator to develop a professional improvement plan, which outlines the expectations for continuing in the program. Such students are placed on probation or suspension and are subject to the disqualification policy of Mary Lou Fulton Teachers College. Students should refer to the retention and continuation policy for additional information: <https://education.asu.edu/mymlftc/student-forms-policies> [8].

## Concurrent degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.

Requirements for students who wish to pursue a concurrent degree:

- Students must be in good academic standing, maintaining a minimum cumulative GPA of 2.50 or greater. (Exception: Students enrolled in the educational studies degree program must maintain a minimum cumulative GPA of 2.00.)
- Students must inform their Teachers College advisor of each degree being pursued as a concurrent degree. This information is important to the department's record keeping and it may affect recommended courses.
- Students studying secondary education may not pursue a concurrent degree in the same area as their content area.
- If one of the degrees is offered through another college, the student must contact that college and complete its required procedures for requesting and pursuing concurrent degrees.



## *Reinstatement/Readmission*

Applications for reinstatement and readmission are reviewed by the director of undergraduate student services on a case-by-case basis.

## *Other special requirements*

### **STUDENT TEACHING REQUIREMENTS**

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

#### **Academic Requirements**

To be eligible to progress into student teaching, a student must be in good academic standing with the Teachers College and all outstanding courses. Students who have academic deficiencies as outlined above are not approved for student teaching until the deficiencies are completed. For undergraduates, this includes requirements for general studies, foundational courses, and electives in the major and minor. For graduate students, this includes all requirements that appear on the program and plan of study.

If students wish to take a course concurrently with student teaching in addition to the courses required during student teaching, they must submit a petition for review by the advising coordinator. The course must be offered in the evening or online and not conflict with contracted hours for student teaching.

#### **Essential Functions of Student Teaching or Administrator Internship**

As a credentialing institution of the State of Arizona, our mission is to prepare teachers for service in PreK-12 school settings. Teachers College students are required to complete multiple clinical experiences (internships and student teaching) in which they must be able to perform the essential functions of teaching. The essential functions required by Teachers College are in the areas of physical capacity, cognitive flexibility and communication. The ability to perform these essential functions is a requirement for successful completion of the teacher preparation program.

Teaching is a demanding profession that requires a great deal of physical, mental and emotional stamina and in which the safety and well-being of children and youth is paramount. Interns and student teachers spend the majority of their days standing while interacting with PreK-12 students in the classroom and other areas of the school grounds. Walking students from one classroom to another and maneuvering through tight spaces between desks or other classroom furniture is commonplace. In early childhood and elementary settings, walking and moving quickly along uneven surfaces on the playground is necessary. Working with PreK-12 students also entails kneeling or squatting, stooping and bending from the waist at 50- to 70-degree angles frequently throughout the day. Reaching at, below or above shoulder height to write on chalkboards or white boards and using technology and audio-visual equipment requires significant manual dexterity. Occasionally, interns and student teachers will be required to lift or move items weighing up to 30 pounds. These physical requirements allow the effective teacher candidate to engage students in activities and materials that challenge and sustain the attention of students while carrying out instructional plans.

The cognitive demands of internships and student teaching require that teacher candidates master relevant content in all subjects taught in the assigned classroom, use personal modeling to demonstrate performance expectations with precise and correct command of the English language, provide oral and written feedback that is academically focused, frequent and of high quality, and use content-specific instructional strategies that enhance students' knowledge of content. Student teachers must also be able to provide differentiated instruction to ensure that all children have the opportunity to master what is being taught. In addition, student teachers must maintain emotional control under stress and establish rules for learning and behavior both inside the classroom and on all other areas of the school grounds by monitoring for student safety and behavior. Student teachers are evaluated using the TAP rubric across these essential functions of student teaching. The TAP rubric can be accessed in the Clinical Experiences Handbook provided at orientation.

The physical, cognitive and communicative demands described here are representative of those that must be met by interns and student teachers, to successfully perform the essential functions of their assigned clinical experiences. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform these essential functions.

#### **Definitions**

**Institutional Recommendation (IR):** All Teachers College certification programs are approved by the State of Arizona Department of Education to issue institutional recommendations to students who have fulfilled the state's requirements for certification. The IR allows for expedited issuance of the teaching or administrative certificate.

## **Student Support**

### **Pregnancy Leave Policy**

In accordance with Title IX, students requiring leave are entitled to leave for as long as it is deemed medically necessary by their physician. For absences fewer than two weeks for session C courses or one week of leave for session A/B or summer courses, students should be able to make up the missed work without affecting field placement. Longer leaves are accommodated; however, students are still required to complete all assignments and other requirements that accumulate during their leave prior to the last day of classes. Students who are unable to make up requirements prior to the end of the semester receive a grade of Incomplete or have the option of applying for a medical withdrawal without loss of any tuition paid that semester. During the leave, absences will be excused and will not negatively impact final grades. Students who need to request leave should submit their medical documentation to the senior director of student services in the Mary Lou Fulton Teachers College.

### **Accommodations**

Mary Lou Fulton Teachers College is committed to student success and ensures an inclusive learning environment for all students. Students with disabilities or disabling health conditions who need accommodations are required to document their condition with the Disability Resource Center. The Mary Lou Fulton Teachers College encourages admitted students with disabilities or disabling health conditions who believe they may need an accommodation to register with the DRC prior to enrolling in the program. That way, all reasonable accommodations can be in place at the beginning of the program. Students who are registered with DRC will be key participants in establishing reasonable and appropriate accommodations with course instructors.

## **Additional Requirements for Teacher Certification Candidates**

### **Milestones**

As outlined on major maps, students are required to meet milestones for successful progression into iTeachAZ. These milestones include obtaining a DPS fingerprint clearance card, submitting an iTeachAZ intent to progress form with an academic advisor, and attending an enrollment workshop. Details can be found at <https://education.asu.edu/mymlftc/student-forms-policies> [8].

### **Fingerprint Clearance Card**

Per Arizona state statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity-verified fingerprint clearance card. All students enrolling in programs leading to certification must participate in clinical experiences and student or apprentice teaching. Students participating in clinical experience must have proof of a fingerprint clearance card on file in the Office of Clinical Experiences before clinical placement hours begin.

### **Intent to Progress**

All students who start at ASU as first-time freshmen must submit their intent to progress forms to the Office of Student Services during term three, before beginning the iTeachAZ program in term five. The intent to progress form is located at <https://education.asu.edu/mymlftc/student-forms-policies> [8].

## **Graduate policies**

The college offers master's degree and doctoral programs as well as graduate certificates. Some programs also allow students to obtain state or professional certification.

After admission to a degree program, specific advice related to degree requirements and activities is provided by academic advisors in the Office of Student Services. Once admitted, all graduate students are required to submit a plan of study. The plan of study functions as a contract between the student, the academic unit and the Graduate College. The interactive plan of study contains certain degree requirements such as coursework, a committee and a culminating experience. Students are to call 602-543-6358 and ask for the academic advisor for a specific campus or program.



### ACADEMIC STANDING

#### Satisfactory Academic Progress and Professional Conduct Policy

In order to remain in good standing in the Mary Lou Fulton Teachers College, students must maintain satisfactory academic progress consisting of both academic performance and adherence to the Teachers College Professional Responsibilities Standards. This document sets forth the standards and expectations for satisfactory academic progress and good standing and explains the consequences of failure to meet these standards.

In addition to the policies stated herein, students are expected to abide by applicable university and Arizona Board of Regents policies, including the ASU Student Code of Conduct (<https://eoss.asu.edu/dos/srr/codeofconduct> [3]), the ASU Student Academic Integrity Policy (<https://provost.asu.edu/academic-integrity> [2]), Graduate Policies and Procedures as well as all policies, procedures, rules, regulations and requirements established by the local education agency, school district or school in which they are engaged in clinical experience or student teaching (for certification students). Failure to do so may lead to consequences that include dismissal from the program and expulsion from the university. Graduate students should also refer to the Graduate College website (<https://graduate.asu.edu> [12]) for further information about the Graduate College policies.

#### Section I: Academic Performance Requirements

##### A. Satisfactory Academic Progress

Advisors conduct ongoing reviews of students' academic and professional performances in order to determine retention and continuation status. Students with records containing indicators of professional or academic concerns may be placed on academic probation or academic suspension or may be dismissed (permanently removed) from their programs or the college (graduate students refer to the Graduate College policies).

To meet satisfactory academic requirements, all graduate students must:

- Maintain at minimum a 3.00 GPA every semester on the following:
  - Interactive Plan of Study GPA: The iPOS GPA is calculated on all courses that appear on the student's approved iPOS.
  - Overall Graduate GPA: The overall graduate GPA is calculated on all courses numbered 500 or greater that appear on the transcript, except courses that counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's degree or master's degree program) and courses identified as deficiencies in the original letter of admission.
  - Cumulative GPA: The cumulative GPA represents all courses completed at ASU.
- Achieve a "C" grade or better in all courses listed on the plan of study, including secondary education content area courses. Earning a grade of "W" or "I" in more than one course may be considered a lack of academic progress. Doctoral students carrying more than three credits of "I" grades will be considered to not be making satisfactory academic progress.
- Pass all required clinical experiences, including internships, apprentice teaching and student teaching, with a grade of "C" or "Y" or better.
- Maintain good standing as outlined in the professional responsibilities standards section. Students who violate professional responsibilities may be placed on academic probation or suspension or may be recommended for dismissal.

#### Definitions

**Academic Probation:** This is the status assigned to a student who has failed to maintain satisfactory academic progress, also referred to as not in good academic standing. A student placed on academic probation is informed of the areas in which program standards are not being met and the actions the student must take to be removed from academic probation and restored to good standing. A student failing to meet the conditions for reinstatement to good standing may be recommended to the Graduate College for dismissal from the program.

A student placed on academic probation is permitted to progress into the next term (unless the next term includes student teaching, an applied project, or a culminating experience) while addressing the deficiency. A student who is on academic probation in which the next term requires student teaching need to meet with his or her advisor to discuss options for the semester.

**Deficiency:** This term describes a required course or another program criterion, such as coursework or GPA, which has not been met or was not successfully completed.

**Dismissal:** Administrative removal from the clinical experience, from student teaching or the iTeachAZ courses, from the degree program or from the college is referred to as dismissal.

**Professional Improvement Plan:** A professional improvement plan is a tool designed to support students who may be at risk of not progressing in their academic plan. The PIP outlines specific action steps a student must complete in order to maintain or return to good standing within their major or academic plan. There are three reasons for making a PIP referral:

- poor academic standing (i.e., ongoing academic deficiencies across coursework)
- issues regarding professionalism (classes or clinical experience)
- academic integrity violation (plagiarism, cheating, etc.)

Any ASU representative or district partner may refer a student for a PIP. Students who are referred for a PIP will meet with the assistant division director and director of student services to develop a plan for success in the program.

A student is prevented from further enrollment in any initial teacher or administrator program for any of the following reasons:

- expulsion from Arizona State University
- failure to meet the professional responsibilities outlined in the Mary Lou Fulton Teachers College Professional Responsibilities Standards and the ASU Student Code of Conduct
- failure to resolve academic deficiencies
- noncompliance with a professional improvement plan
- failure to meet ASU Graduate College policies

## B. Unsatisfactory Academic Progress Consequences:

### GPA and Grade Deficiencies

Academic probation may be imposed if a student has one of the deficiencies listed below. A student placed on probation will be permitted to progress into the next term (unless the next term includes student teaching, an applied project or culminating experience) while addressing the deficiency. A student who is placed on probation in which the next term requires student teaching needs to meet with their advisor to discuss options for the semester. A graduate student with a single semester GPA at or less than 2.00 may be recommended for dismissal without the benefit of a semester of probation.

Students should carefully review the Graduate College policies (found at <https://graduate.asu.edu/policies-procedures> [13]), as the Graduate College policies are required of all graduate students at ASU. Students should pay special attention to the policies regarding GPA, the time limit for degree completion, and continuous enrollment.

Deficiencies for graduate students:

1. interactive Plan of Study (iPOS) GPA less than 3.00
2. overall graduate GPA less than 3.00
3. cumulative GPA less than 3.00
4. a grade below a "C" in any required course\*
5. a grade of "I" or "W" in a required course, or carrying more than three credits of "I" for students in doctoral programs

\*Students must repeat a course with a grade below a "C" the following semester it is offered and earn a "C" grade or better. Failure to achieve a "C" or better on the second attempt may result in a recommendation for dismissal from the program.

Students will not be approved for student teaching if they are on academic probation or suspension. Once a student returns to good standing, the student can be approved to student teach.

**Graduate students who are placed on academic probation may not be permitted to complete culminating experiences applied project, etc.) until she or he returns to good standing. Doctoral students must be in good academic standing to complete comprehensive exams or to schedule oral defenses.**

## Accelerated Programs (4+1 Programs)

Students in 4+1 accelerated programs are considered undergraduate students until all undergraduate requirements have been met. Undergraduate students enrolled in the accelerated program are eligible to enroll in graduate level courses and seminars. However, they will not be eligible for most graduate prerequisites including teaching and research assistantships and related health insurance, financial aid, or graduate award programs until the undergraduate degree is completed.

Students are reviewed on an ongoing basis to ensure academic progress in both bachelor's and master's degree program requirements.

- Undergraduate students in an accelerated bachelor's/master's degree program prior to the awarding of their undergraduate degree must complete all of their bachelor's degree requirements and graduate with their undergraduate degree within 12 months of the first day of the semester for which they were admitted to the accelerated program.
- Undergraduate students must maintain a cumulative GPA of 3.00 from the time they have applied to the program (at 75 credit hours completed in the undergraduate degree) to the time the student begins taking graduate courses (at 90 credits completed in the undergraduate degree). A student must continue to maintain a 3.00 in all coursework. **If an undergraduate student's cumulative GPA becomes less than a 3.00 between the time they are admitted to the accelerated program and the time they begin their coursework, their admission to the accelerated program may be revoked.**
- If the student's cumulative, graduate and iPOS GPAs drop below the 3.00 GPA requirement once they have started the master's portion of the accelerated program, the student will fall under the academic standing policy for graduate students. **The student will still be allowed to complete their undergraduate degree but will no longer be able to complete the graduate degree as part of the accelerated program.**

Deficiencies for students in accelerated programs:

1. interactive plan of study (iPOS) GPA less than 3.00
2. overall graduate GPA less than 3.00
3. cumulative GPA less than 3.00
4. earning a grade below a "C" in any required course\*
5. earning a grade of "I" or "W" in a required course
6. failure to complete the undergraduate degree within 12 months of the first day of the semester for which the student was admitted to the accelerated program

\*Students must repeat a course with a grade below a "C" the following semester it is offered and earn a "C" grade or better. Failure to achieve a "C" or better on the second attempt may result in a recommendation for dismissal from the program.

## Clinical Experience Deficiencies

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

- A student who fails a clinical experience or internship course may be allowed to retake the clinical experience or internship one time if the reasons for failure are judged to be remediable. If a student is permitted to retake the clinical experience or internship and fails to pass the second time, the student will be recommended to the Graduate College for dismissal from the program.
- In some cases, clinical experience or internship issues may be nonremediable. These may include actions that cause the sponsoring school district or other organization to suspend or dismiss an intern or teacher or administrator candidate or to demand that the student teacher or intern be removed from the clinical placement or internship due to violations of the professional responsibilities standards, a professional code of conduct, district policy, or state or federal law, or engages in other inappropriate behavior. The division will determine, based on information from the supervisor, the mentor teacher, the school district, other sponsoring organization, and the student, whether the student actions warrant immediate dismissal from the program without the benefit of a period of academic probation or another attempt to pass the clinical experience or internship.
- An InMAC student whose clinical placement is terminated by the school district due to reasons unrelated to performance, such as reductions in force, will not be recommended for academic probation or

involuntary withdrawal on that basis alone. However, if the student does not secure another full-time teaching position, he or she must complete the degree and certification requirements by transferring to a MAC track and successfully completing the requirements of that program. This means the student may not continue to take classes with an InMAC cohort.

**Students who fail a clinical experience are required to meet with the division director or designee and director of student services to determine if they are able to retake the clinical experience. Students should refer to grade appeal process for more information.**

#### C. Reinstatement to Good Academic Standing

To be restored to good academic standing:

1. A student must maintain or improve grades to meet the academic performance requirements.
2. An initial teacher, administrator candidate or graduate student in a non-certification program must meet the expectations of any professional improvement plan related to satisfactory academic progress or professionalism while in the program.

**SPECIAL NOTE:** A student on probation for lack of satisfactory progress in one area (e.g., academic progress or professional responsibilities) who subsequently fails to maintain good standing in the other area is recommended for dismissal. Return to good standing requires satisfactory progress in both areas during the time on probation. Sequential semesters of probation for repeated failures to maintain satisfactory progress are not considered.

## Section II: Professional Responsibilities (Conduct)

#### A. Satisfactory Progress

Professional work is marked by a particular responsibility to the clients served. Educators are trusted with significant power and authority over students and must demonstrate that they adhere to the standards of the profession. Therefore, in addition to academic progress requirements, students are evaluated with regard to Professional Responsibilities Standards as described in this document.

The Mary Lou Fulton Teachers College Professional Responsibilities Standards show the required expectations for all students.

- All initial teacher or administrator students are expected to meet the professionalism standards in Sections A, B, C, and D at the “applying” level, as a minimum, throughout their course of study.
- Students in non-certification programs are expected to exhibit professional conduct by meeting all standards in Sections A and B at the “emerging” level, as a minimum, throughout their course of study. Showing professionalism and growing and developing professionally are expected in all clinical experiences; in PreK-12 school-related settings; and in university settings, including in interactions with university faculty and staff.

#### B. Unsatisfactory Progress -- Professional Responsibilities

Students will be informed of an allegation of a violation of or lack of compliance with the Professional Responsibilities Standards and will have an opportunity to respond. As a general rule, the college seeks to assist students to become professionals by working with the students to develop and improve professional conduct. Students accused of violating or not complying with the Professional Responsibilities Standards will attend a meeting with the division director or designee and the director of student services or those otherwise appointed to discuss allegations, and they will be informed of their status in the program after the meeting. Possible sanctions include academic probation, suspension, disqualification or dismissal from the initial teacher, administrator or graduate program.

All other university policies regarding student conduct are in addition to these requirements, and infractions of the ASU Student Code of Conduct may result in additional investigations and consequences through university procedures.

#### Notices of Concern

Students who receive a Notice of Concern (NOC) due to unsatisfactory academic or professional conduct may require a meeting with the director of student services, the division director, or a designee. Failure to comply with requests related to NOCs may result in probation due to unsatisfactory progress.

### C. Dismissal from Clinical Experiences (Internship or Student Teaching)

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

In the event a school district requests that a student be dismissed from an internship or student teaching placement for unprofessional or inappropriate behavior, the intern or teacher candidate will be required to attend a meeting with the division director or designee, the senior director of student services, and other college representatives as determined by the division director to discuss the reasons for request for dismissal from the internship or student teaching placement. If it is determined that the allegations of a violation of unprofessional behavior resulting in the request for dismissal from the school or district are warranted, one or all of the following actions may result. The intern or teacher candidate:

- will be dismissed from the internship or student teaching placement
- will receive a failing grade ("E") for the internship or student teaching course
- will not be assigned another internship or student teaching placement during the same semester in which the teacher candidate was assigned a failing grade
- may not withdraw from the internship or clinical experience course or the student teaching course\*
- must withdraw from all courses that require concurrent enrollment with the internship or student teaching, including any applied project course taken concurrently with student teaching

\*If a withdrawal is processed by the Office of the Registrar, the grade will be administratively changed to an ("E").

If an intern or teacher candidate wishes to appeal the "E" grade, the candidate can follow the grade appeal process as outlined on the Teachers College website. The first step in the grade appeal process is to meet with the course instructor. Students have 10 business days to appeal a grade.

If a teacher candidate wishes to repeat the internship or student teaching and concurrent course work during the semester following the dismissal, the teacher candidate must show evidence of how they plan to resolve the situation or circumstances, which resulted in the removal from the internship or student teaching. The teacher or administrator candidate will be required to meet with the division director or designee and the senior director of student services to develop a professional improvement plan outlining expectations for continued professional growth and academic development.

In the event that the teacher or administrator candidate violates the rules, policies or procedures for conduct established by the school, district, local education agency, ASU, Teachers College, or the law while on a PIP for unprofessional behavior, the teacher or administrator candidate will be dismissed from the initial teacher or administrator program. Teacher or administrator candidates who are dismissed may not petition to continue in their current academic plan but may be eligible to pursue other non-certification degree options within Teachers College (i.e., master's degree without certification) or within other colleges at ASU.

Students enrolled in the Master of Education and Arizona certification program who are dismissed from a clinical experience or fail a clinical experience and would like to complete the program without obtaining teacher certification (master's degree only) must submit a petition to the assistant division director and senior director of student services for review. Petitions are reviewed on a case-by-case basis and not all students are approved to enroll or continue to be enrolled in MAC course work. Students approved to remain in the MAC noncertification option are required to adhere to the same professionalism standards as students enrolled in certification programs. Failure to adhere to these standards results in dismissal from the Teachers College.

#### **Special Situations for MAC and InMAC Students**

##### Intern Certificate (InMAC only)

Students in the InMAC program are in multiple interdependent roles:

- employees of a school or school district
- holders of a teaching intern certificate from the Arizona Department of Education
- graduate students at Arizona State University

The teaching position requires that the student holds the intern certificate. The intern certificate requires that the college certifies to the State of Arizona Department of Education that the student is enrolled in a teacher preparation program and is in good academic standing. At the completion of the first year, the intern certificate renewal requires a letter from the college certifying that the student has met the requirements set forth by the ADE. InMAC students who



are on academic probation at the end of the first year will be evaluated on a case-by-case basis to determine if a renewal or extension letter can be issued. At the completion of the second year, only students in good academic standing are eligible for an institutional recommendation (IR) to obtain a provisional teaching certificate.

An InMAC student who is ineligible to renew his or her intern certificate is no longer eligible to continue in the alternative pathway to teacher certification program. The student may be allowed to complete the degree and certification requirements by enrolling in the MAC track of the program. More information is available from the Office of Student Services.

**Note:** Due to the intensity of program coursework and apprentice teaching, students participating in InMAC are not permitted to enroll in courses outside of the prescribed plan of study. Students who are enrolled in courses outside of the InMAC program are not able to participate in InMAC and are administratively withdrawn from program courses.

#### Completion of Student Teaching and Applied Project (MAC and InMAC)

As a part of a MAC or InMAC student's degree requirements, all students must complete an applied project course (Secondary: SED 593, Special Education: SPE 593, Elementary Education: EED 593). The purpose of the applied project is to act as a culmination of student work throughout the program and to enhance the student teaching experience. As a part of this course, students begin by formulating a topic that they will be researching with a group of students throughout the entire semester, typically those in their student teaching placement (second internship for SPE MAC) and with their placement school's permission. A grade of a "B" or better is required to pass the course and graduate from the master's program.

In those cases in which a student enrolled in an applied project course must leave their placement, they will be required to also withdraw from the applied project course. This is necessary, as students will no longer have preapproved access to the students needed to complete the necessary research for the project. Students dropping both courses will still need to maintain the ASU Graduate College policy of continuous enrollment, either by completing at least one credit of graduate-level coursework or with an approved medical/compassionate withdrawal for the semester.

**Applied Project Retake:** Students approved for a new student teaching experience retake the applied project concurrently with the new placement.

For students who successfully complete their student teaching placement, but do not pass the applied project ("B" or better) or if students must complete the program without certification, they are required to complete the next available corresponding applied project course. Students must have access to a group of children in the relevant age group (preapproved by any organization they might belong to) which they must locate themselves. Students must also contact the instructor of the applied project course before the end of the first week of class to discuss their situation, including that they will not be completing their project in an ASU placement.

## APPEAL PROCESS

### Academic Probation

There is no appeal from the action of being placed on probation. Probation provides warning to the student of the potential for suspension or dismissal.

### Grade Appeals

#### Reasons for Grade Appeal

A student may appeal a grade only when the student can document that one or a combination of the following has occurred:

1. The instructor erred in calculating points or acknowledging timely submission of assignments.
2. The instructor did not apply grading standards equitably; for example, there is evidence of bias due to race, age, sex, religion or national origin).
3. The instructor did not assign grades consistently with the standards and procedures for evaluation announced at the beginning of the course in the course syllabus. The instructor may amend or supplement the standards and procedures during the course by providing written or oral notice to the entire class.

## Grade Appeal Procedure

To receive consideration, grade appeals must be submitted to the course instructor within 10 business days of the last date for posting final grades, as noted in the academic calendar. The academic calendar is available at <https://students.asu.edu/academic-calendar> [4].

**Step One: Informal meeting with the instructor** – This step is mandatory and applies to appeal of course grades only.

1. The student must contact the instructor of the course and submit the attached grade appeal. The student must provide to the instructor any additional relevant documentation to support the appeal and reasons for disputing the grade. The narrative accompanying the grade appeal form may not exceed five double-spaced pages.
2. The student must meet with the instructor either face to face or (in the case of online classes only) virtually. If this meeting does not resolve the grievance, the student may move to step two and submit the grade appeal form to the appropriate contact in the Office of Student Services.

If the required meeting with the instructor has not taken place, the appeal will be accepted only if the student supplies evidence that the student contacted the instructor and either received no reply within five business days or was unable to schedule a meeting within 10 business days of the date of contact.

**Step Two: Submit grievance to Office of Student Services** – If the grievance is not resolved in step one, the student may forward the grade appeal to the executive director of academic services.

**Step Three: Division Director Reviews Grade Appeal** – The director of student services will review the grade appeal and may request additional information if needed. The grade appeal will be forwarded to the division director for review.

- Graduate certification program appeals will be sent to the division director of Teacher Preparation.
- Non-teacher certification graduate appeals will be sent to the division director of Educational Leadership and Innovation.

The division director will review all information and will notify the student of the outcome.

**Step Four: Appeal Decision to the Dean**

- Per university policy, the student may appeal the division director's decision to the dean, whose decision is final. The students must appeal within five business days of receiving the letter from the division director. The letter will contain information regarding how the appeal should be submitted.
- Only the issue appealed to the division director may be appealed; no new issues or complaints may be added.
- The dean or designee has full discretion as to whether to refer the appeal to the Student Issues Committee (also known as the college Academic Grievance Committee). Students should see <https://catalog.asu.edu/appeal> [5] for university policies on grade appeals.
- The student will be notified by mail of the outcome. The decision of the Student Issues Committee (dean's designee) is final.

**It is university policy that students filing grievances and those who are witnesses be protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.**

For more information on university grading policies, students should see <https://catalog.asu.edu/appeal> [5]. During the time of the appeal, a student may register for courses; however, if the appeal is denied and the student is withdrawn, university policies on tuition refunds will be applied. Any concerns about tuition charges should be addressed to the registrar's office.

### Appealing a Recommendation for Dismissal from Program

The ASU Graduate College admits students to graduate study at Arizona State University. Students who fail to make satisfactory academic progress may be involuntarily withdrawn (dismissed) from their academic programs by the ASU Graduate College upon the recommendation of the college. The student has the right to appeal a recommendation for dismissal.

Steps in appeal process:

1. The student will receive notice that a recommendation for dismissal from the program is being made to the ASU Graduate College.

2. Within 10 business days of receiving the notice, the student may appeal in writing to the Mary Lou Fulton Teachers College Student Issues Committee (dean's designee). Petition for review forms are available in the Mary Lou Fulton Teachers College Office of Student Services on each campus and online at <https://education.asu.edu/mymlftc/student-forms-policies> [8]. Failure to file the form within 10 business days of the date of notification will result in an automatic denial of the appeal.

## Other graduate policies

### Continuous Enrollment and Re-entry for Graduate Programs

Once admitted to a graduate program, the student must be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. If a plan of study must be interrupted for one semester, the student may apply to the Graduate College for a leave of absence not to exceed one semester. An application for leave status, endorsed by the division director or designee, must be approved by the Graduate College; for a doctoral student, the leave must also be endorsed by the members of the student's supervisory committee. This request must be filed and approved prior to the semester of anticipated absence. A student on leave is not required to pay fees and is not permitted to place any demands on university faculty or use any university facilities. Students may be continuously enrolled by registering for one credit hour of continuing registration; students should contact an academic advisor for more details. A student who interrupts a program without obtaining an approved leave of absence may be removed from the degree program by the Graduate College.

### Concurrent Degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.

For concurrent master's degrees, concurrent master's and doctoral degrees and concurrent doctoral degrees, students must follow the Graduate College policies at <https://graduate.asu.edu/policies-procedures> [13].

### Graduation Requirement

A candidate for a graduate degree must satisfactorily complete the culminating experience requirements required by the program. Information is available for each program from the Office of Student Services.

### Master's programs

In addition to the Graduate College policy and procedures that govern graduate programs at ASU and which are provided elsewhere in this catalog, the policies specific to each master's degree program are provided to students at the time of enrollment in the program. Students are limited to 15 credit hours per semester. Online students are limited to nine credit hours per semester. Exceptions must be approved by the division director. Students who enroll in additional hours may be administratively withdrawn.

Each student in the induction, Master of Education and Arizona certification program must hold an Arizona intern teaching certificate and be employed. If either the employment or certificate status changes, the student will need to apply to be placed in the Master of Education and Arizona certification program. A MAC student who becomes employed on an intern certificate is evaluated by the division director or designee and placed in the appropriate classes to complete the degree. In either case, extra time may be required to complete the degree program.

### Doctoral programs

In addition to the Graduate College policies and procedures that govern doctoral programs at ASU and which are provided elsewhere in this catalog, the satisfactory academic progress and professional conduct policies apply. Additional information specific to a degree program may be provided when students first register for the program.

### PhD and EdD Satisfactory Academic Progress and Professional Conduct Policy

Students in doctoral programs may be placed on academic probation for reasons stated in the Satisfactory Academic Progress and Professional Conduct Policy. These include but are not limited to:

- failure to meet the academic requirements of the Graduate College, to have a GPA of 3.00 (on a 4.00 scale) or to meet the academic requirements of the particular program as stated in the program handbook
- unsatisfactory progress as noted on annual review form by mentor or failure to meet for annual review



- failure to meet the standards of professional conduct or violations of the student conduct code which may result in academic probation, or, for egregious violations, immediate recommendation to the Graduate College for dismissal

In addition to minimum academic requirements and conduct requirements, a student must maintain progress to degree completion. A student can be recommended to the Graduate College for dismissal for failure to meet the Graduate College policies at <https://graduate.asu.edu>.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies.

### **Student Support Process**

The Notice of Concern is a referral process designed to support all graduate students who may be at risk of not progressing in the academic plan for their major and who may need additional support from the college.

The following outlines the steps taken in the referral process.

1. The instructor, site coordinator or other university representative discusses concerns with the student and informs the student that a Notice of Concern will be submitted to college leadership. Depending on the nature of the referral, the student may be required to attend a meeting with college leadership to offer additional support.
2. If the referral is made for a violation of the academic or professional code of conduct or unprofessionalism, the student will be required to attend a mandatory meeting to discuss the alleged violations. This meeting provides the student with an opportunity to share their side of the situation. At the meeting, a professional improvement plan agreement is developed with input from the student and college administration. Students on a PIP are placed in probationary status in the college until requirements of the PIP are met. Some violations of professionalism or academic integrity may result in immediate dismissal from the program or placement.
3. If the referral is not for a violation of academic or professional conduct, a student support consultation meeting is conducted. This meeting provides students with resources and additional university-wide support. At the meeting, student needs are identified and a plan for success is created along with follow-up recommendations.
4. Students are required to attend a follow-up meeting to discuss their status in meeting requirements outlined in their plan. Failure to attend a required meeting or to fulfill expectations outlined in the PIP agreement may result in dismissal from the program.

### **Additional requirements**

Per Arizona state statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity-verified fingerprint clearance card. All students enrolling in programs leading to certification must participate in clinical experiences and student or apprentice teaching. Students participating in clinical experiences must have proof of a fingerprint clearance card on file in the Office of Clinical Experiences before field placement hours begin.

### **Definition of terms**

**Academic probation:** The status assigned to a student who has failed to maintain satisfactory academic progress, also referred to as “not in good academic standing.” A student placed on academic probation is informed of the areas in which program standards are not being met and the actions the student must take to be removed from academic probation and restored to good standing. A student failing to meet the conditions for reinstatement to good standing may be recommended for dismissal from the program.

A student placed on academic probation will be permitted to progress into the next term (unless the next term includes student teaching) while addressing the deficiency. Students who are placed on academic probation in which the next term requires student teaching will need to meet with his or her advisor to discuss options for the semester.

**Academic suspension:** An undergraduate student placed on academic suspension may not progress into the next term until all deficiencies have been resolved. Students are required to complete their deficiencies within one calendar year. Failure to do so will result in dismissal from the program.

**ASU Graduate College:** The Graduate College is the academic organization within ASU that oversees all graduate study in every college, with the authority to admit and involuntarily withdraw (dismiss) graduate students. (The college recommends the actions, but it is the dean of the Graduate College who holds the ultimate authority.)

**Clinical experience:** A clinical experience is any practicum, internship, apprentice teaching, student teaching or other field-based course taking place off campus in a professional setting such as a school district, charter school, government agency or other educational organization.

**Cumulative GPA:** This is the grade point average of all courses completed at ASU.

**Deficiency:** A required course or another program criterion, such as coursework and GPA criteria, which has not been met or was not successfully completed is referred to as a deficiency.

**Dismissal:** Administrative removal from the field experience, student teaching and/or iTeachAZ courses program or college is referred to as a dismissal.

A student is prevented from further enrollment in any initial teacher or administrator program for any of the following reasons:

- expulsion from Arizona State University
- failure to meet the professional responsibilities outlined in the Mary Lou Fulton Teachers College Professional Responsibilities Standards and the ASU Student Code of Conduct
- failure to resolve academic deficiencies
- noncompliance with a Professional Improvement Plan (PIP)
- failure to meet ASU Graduate College Policies (for graduate students)

**GPA:** This is the acronym of grade point average.

**Overall graduate GPA:** This term refers to the grade point average calculated on all graduate courses, whether or not they are on the approved program of study (iPOS).

**InMAC:** This is the acronym of Induction Masters and Arizona Certification program, the college alternative pathway to teacher certification.

**Institutional Recommendation:** An institutional recommendation allows for expedited issuance of the teaching or administrative certificate. All Teachers College certification programs are approved by the Arizona Department of Education to issue Institutional Recommendations to students who have fulfilled the state's requirements for certification.

**iPOS:** The graduate plan of study, entered and approved electronically and consisting of the courses required for the student to earn the degree is referred to as iPOS.

**iPOS GPA:** This is the grade point average calculated using the courses on the Plan of Study (iPOS).

**MAC:** This is the acronym of the Masters and Arizona Certification graduate program.

**Professional Improvement Plan:** This is a tool designed to support students who may be at risk of not progressing in their major or academic plan. The PIP outlines specific action steps a student must complete in order to maintain or return to good standing within their major or academic plan. There are three reasons for making a PIP referral:

- poor academic standing (i.e. ongoing academic deficiencies across coursework)
- issues regarding professionalism (classes or clinical experience)
- academic integrity violation (plagiarism, cheating, etc.)

Any ASU representative or district partner may refer a student for a PIP. Students who are referred for a PIP meet with the assistant division director and director of student services to develop a plan for success in the iTeachAZ program.

**Student Code of Conduct:** This is the ASU code of conduct found online at <https://eoss.asu.edu/dos/srr/codeofconduct> [3].

**The college:** In this document, the term refers to the Mary Lou Fulton Teachers College.

**Source URL:** <https://catalog.asu.edu/policies/mlftc>

**Links:**

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

[2] <https://provost.asu.edu/academic-integrity>

- [3] <https://eoss.asu.edu/dos/srr/codeofconduct>
- [4] <https://students.asu.edu/academic-calendar>
- [5] <https://catalog.asu.edu/appeal>
- [6] <https://education.asu.edu/student-life/student-services-undergraduate>
- [7] <https://sites.google.com/a/asu.edu/tc-graduate-student-resources/introduction/student-success-staff>
- [8] <https://education.asu.edu/mymlftc/student-forms-policies>
- [9] <https://students.asu.edu/drop-add>
- [11] <https://eoss.asu.edu/dos/srr/codeofconduct>
- [12] <https://graduate.asu.edu>
- [13] <https://graduate.asu.edu/policies-procedures>
- [14] <http://mytc.asu.edu>

## Academic Programs List

The following section contains a listing of all program descriptions and requirements that are provided for graduate degrees and certificates, minors, undergraduate certificates and undergraduate degrees. Undergraduate degrees have a corresponding major map that includes the critical requirements, order of courses and grade requirements for that degree. Each undergraduate degree's requirements are outline on the degree's corresponding major map. The major maps and MAPP and TAG agreements are provided in the final sections of this document.

## Graduate Programs

### Graduate Degrees and Certificates (Program Descriptions and Requirements)

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

Accountancy, MAcc (BAACCMACC)  
Agribusiness, MS (AGAGRIBMS)  
Business Administration (Accountancy), PHD (BAACCTPHD)  
Business Administration (Agribusiness), PHD (BAAGRIPHD)  
Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)  
Business Administration (Finance), PHD (BAFINANPHD)  
Business Administration (Management), PHD (BAMGMTPHD)  
Business Administration (Marketing), PHD (BAMARKPHD)  
Business Administration (Supply Chain Management), PHD (BASCMPHD)  
Business Analytics, MS (BABUSANMS)  
Economics, PHD (BAECONPHD)  
Finance, MS (BAFINMS)  
Global Financial Management, DBA (BAGFMDBA)  
Global Logistics, MS (BAGLSMS)  
Information Management, MS (BAINFOMS)  
Management, MS (BACMRMS)  
Management, MS (BAMCCMS)  
Real Estate Development, MREDev (ARREMREDEV)  
Supply Chain Management, MS (BASCMMMS)  
Supply Chain Management (certificate), Certificate (BASCMCERT)  
Supply Chain Management and Engineering, MS (BASCMEMS)  
Taxation, MTax (BATAMTAX)  
W. P. Carey MBA, MBA (BACORPMBA)  
W. P. Carey MBA, MBA (BAEVEAMBA)  
W. P. Carey MBA, MBA (BAEVENMBA)  
W. P. Carey MBA, MBA (BAEXECMBA)  
W. P. Carey MBA, MBA (BAFULLMBA)  
W. P. Carey MBA, MBA (BAONLINMBA)  
W. P. Carey MBA, MBA (BASHANGMBA)

#### Design & the Arts, Herberger Institute for

Architecture, MArch (ARARCMARCH)  
Art, MFA (HIARTMFA)  
Art (Art Education), MA (FAARTEDMA)  
Art (Art History), MA (FAARTHISMA)  
Art (Digital Technology), MFA (FADIGITMFA)  
Built Environment (Energy Performance and Climate Responsive Architecture), MS (AREENERGYMS)  
Composition, MM (FAMCOMPMM)  
Composition (Interdisciplinary Digital Media and Performance), MM (FADIGITMM)  
Creative Enterprise and Cultural Leadership, MA (HICECLMA)  
Dance, MFA (FADANCEMFA)  
Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)  
Dance Teaching Artist Praxis (Certificate), Certificate (HIDTAPGRCT)  
Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)  
Design (Industrial Design), MSD (ARINDDEMSED)  
Design (Interior Design), MSD (ARINTDEMSED)  
Design (Visual Communication Design), MSD (ARVCDMSED)  
Design, Environment and the Arts, PHD (HIDEAPHD)

Design, Environment and the Arts (Design), PHD (HIDEADSPHD)  
 Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVGDPHD)  
 Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)  
 Design, Environment and the Arts (History, Theory, and Criticism), PHD (HIDEAHTPHD)  
 Digital Culture, MA (HIDGCMA)  
 Industrial Design, MID (HIINDMID)  
 Interior Architecture, MIA (HIIAMIA)  
 Landscape Architecture, MLA (ARLDEMLA)  
 Media Arts and Sciences, PHD (FAMASPHD)  
 Music (Conducting), DMA (FACONDDMA)  
 Music (Ethnomusicology), MA (FAETHNMA)  
 Music (Interdisciplinary Digital Media and Performance), DMA (FAINTDDMA)  
 Music (Music Composition), DMA (FACOMPDMA)  
 Music (Music Education), PHD (FAMUSEDPHD)  
 Music (Musicology), MA (FAMHISTMA)  
 Music (Musicology), PHD (HIMUSMPHD)  
 Music (Performance), DMA (FAPERFDMA)  
 Music Education, MM (FAMUSEDMM)  
 Music Theory Pedagogy (Certificate), Certificate (HIMTPGRCT)  
 Music Therapy, MM (FAMTHERMM)  
 Performance (Collaborative Piano), MM (FACPIANOMM)  
 Performance (Conducting), MM (HIPERCOMM)  
 Performance (Music Theatre/Opera Performance), MM (FAMUTPOMM)  
 Performance (Performance Pedagogy), MM (FAPPEDMM)  
 Performance (Performance), MM (FAPERF3MM)  
 Socially Engaged Practice in Design and the Arts (Certificate), Certificate (HISEPGRCT)  
 Theatre, MA (FATHEAMA)  
 Theatre (Arts Entrepreneurship and Management), MFA (HITHEAEMFA)  
 Theatre (Directing), MFA (FADIRMFA)  
 Theatre (Dramatic Writing), MFA (FADRWRMFA)  
 Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)  
 Theatre (Performance Design), MFA (FAPERDMFA)  
 Theatre (Performance), MFA (FAPERFMFA)  
 Theatre (Theatre For Youth), MFA (FAYOUTHMFA)  
 Theatre (Theatre For Youth), PHD (FAYOUTHPHD)  
 Theatre (Theatre/Performance Americas), PHD (FAPERAMPHD)  
 Urban Design, MUD (ARMUDMUD)  
 Visual Communication Design, MVCD (HIVCDMVCD)

Engineering, Ira A. Fulton Schools of  
 Aerospace Engineering, MS (ESAEROSPMS)  
 Aerospace Engineering, PHD (ESAERSPPHD)  
 Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAEPEETMA)  
 Biological Design, PHD (GCBDSPHD)  
 Biomedical Engineering, MS (ESBIOENMS)  
 Biomedical Engineering, PHD (ESBIOENPHD)  
 Chemical Engineering, MS (ESCHEMEMS)  
 Chemical Engineering, PHD (ESCHEMEPHD)  
 Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)  
 Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)  
 Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)

Computer Engineering (Computer Systems), MS (ESCENCMS)  
 Computer Engineering (Computer Systems), PHD (ESCENCPHD)  
 Computer Engineering (Electrical Engineering), MS (ESCENEMS)  
 Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)  
 Computer Science, MCS (ESCOMSCMCS)  
 Computer Science, MS (ESCOMSCMS)  
 Computer Science, PHD (ESCOMSCPHD)  
 Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)  
 Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)  
 Computer Science (Big Data Systems), MCS (ESCSEBDMCS)  
 Computer Science (Big Data Systems), MS (ESCSEBDMS)  
 Computer Science (Biomedical Informatics), MS (ESCSBIOIMS)  
 Computer Science (Cybersecurity), MCS (ESCSEIMCS)  
 Computer Science (Cybersecurity), MS (ESCSEIAMS)  
 Computer Science (Cybersecurity), PHD (ESCSEIAPHD)  
 Construction Engineering, MSE (ESCONEMSE)  
 Construction Management, MS (ESCONSTMS)  
 Construction Management, PHD (ESCONPHD)  
 Electrical Engineering, MS (ESEEMS)  
 Electrical Engineering, MSE (ESEEMSE)  
 Electrical Engineering, PHD (ESEEPHD)  
 Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)  
 Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)  
 Engineering, MEng (ESENGRMENG)  
 Engineering, MS (TSEGRMS)  
 Engineering Education Systems and Design, PHD (ESEESDPHD)  
 Engineering Science (Software Engineering), MSE (ESSFEMSE)  
 Environmental and Resource Management, MS (ESERMMS)  
 Environmental and Resource Management (Water Management), MS (ESERMWTMS)  
 Graphic Information Technology, MS (ESGITMS)  
 Human Systems Engineering, MS (ECAPSYCHMS)  
 Human Systems Engineering, PHD (TSSMACSPHD)  
 Industrial Engineering, MS (ESINDENMS)  
 Industrial Engineering, PHD (ESINDENPHD)  
 Information Technology, MS (TSIFTMS)  
 Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)  
 Manufacturing Engineering, MS (TSMEGRMS)  
 Materials Science and Engineering, MS (ESMATEMS)  
 Materials Science and Engineering, PHD (ESENMATPHD)  
 Mechanical Engineering, MS (ESMEMS)  
 Mechanical Engineering, PHD (ESMEPHD)  
 Molecular, Cellular, Tissue, and Biomaterials Engineering (Certificate), Certificate (ESMCTBGRCT)  
 Neural Engineering (Certificate), Certificate (ESNENGRCT)  
 Nuclear Power Generation (certificate), Certificate (ESNPGGRCT)  
 Robotics and Autonomous Systems, MS (ESRASMS)  
 Robotics and Autonomous Systems (Artificial Intelligence), MS (ESRASAIMS)  
 Robotics and Autonomous Systems (Electrical Engineering), MS (ESRASEEMS)  
 Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS (ESRASMAEMS)  
 Robotics and Autonomous Systems (Systems Engineering), MS (ESRASSEMS)  
 Sensor Signal and Information Processing (Certificate), Certificate (ESSSIPGRCT)

Software Engineering, MS (TSSERMS)  
 Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)  
 Sustainable Engineering, MSE (ESSUEMSE)  
 Systems Engineering, PHD (ESSYSPHD)  
 Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)  
 Technology (Environmental Technology Management), MSTech (TSMGMSTECH)  
 Technology (Graphic Information Technology), MSTech (TSGIMSTECH)  
 Technology (Management of Technology), MSTech (TSMRMSTECH)  
 User Experience, MS (ESUSEXMS)

Future of Innovation in Society, School for the

Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)  
 Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)  
 Global Development and Innovation (Certificate), Certificate (FIGDIGRCT)  
 Global Technology and Development, MS (LSGTDMS)  
 Global Technology and Development (Applied International Development), MS (FIGTDAIDMS)  
 Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)  
 Innovation in Global Development, PHD (FIIGDPHD)  
 Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)  
 Responsible Innovation in Science, Engineering and Society (certificate), Certificate (GCRSESGRCT)  
 Science and Technology Policy, MSTP (LAHSDPSM)

Global Management, Thunderbird School of

Applied Leadership and Management, MALS (TBALMMALM)  
 Global Affairs (Certificate), Certificate (TBGAFGRCT)  
 Global Affairs and Management, MA (TBGAMMA)  
 Global Development (Certificate), Certificate (TBGDVGRCT)  
 Global Finance (Certificate), Certificate (TBGFINGRCT)  
 Global Management, MGM (TBTGMMGM)  
 Global Management, MGM (TBTGMXMGM)  
 Global Management (Certificate), Certificate (TBTGMGRCT)  
 Global Marketing (Certificate), Certificate (TBGMKTGRCT)  
 Global Trade and Commerce (Certificate), Certificate (TBGTCMGRCT)

Health Solutions, College of

Audiology, AuD (LAAUDAUDD)  
 Auditory and Language Neuroscience, MS (NHALNEUMS)  
 Behavioral Health, DBH (LSBEVHEDBH)  
 Behavioral Health (Clinical), DBH (NHBVHCDBH)  
 Behavioral Health (Management), DBH (NHBVHMDBH)  
 Biomedical Diagnostics, MS (NHBMDMS)  
 Biomedical Informatics, MS (ESBIOINFMS)  
 Biomedical Informatics, PHD (ESBMIPHD)  
 Clinical Exercise Physiology, MS (NHCEPMS)  
 Communication Disorders, MS (LACOMDISMS)  
 Communication Disorders in Multilingual/Multicultural Populations (certificate), Certificate (NHCDMPGRCT)  
 Exercise and Nutritional Sciences, PHD (ECNUTRIPHD)  
 Exercise and Wellness, MS (ECEXERMS)  
 Exercise and Wellness (Healthy Aging), MS (NHEXWHMS)  
 Health Informatics, MAS (GCHLHINMAS)  
 Integrated Behavioral Health - Clinical (Certificate), Certificate (NHIBHCGRCT)  
 Integrated Behavioral Health - Management (Certificate), Certificate (NHIBHMGRCT)  
 Integrated Health Care, MIHC (NHIHCSIHC)



International Health Management, MIHM (NHIHMIHM)  
 Medical Nutrition, MS (NHMNTRMS)  
 Nutrition, MS (ECHNUTMS)  
 Nutrition (Dietetics), MS (ECNTRDMS)  
 Obesity Prevention and Management, MS (NHOBMSMS)  
 Science of Health Care Delivery, MS (NHSKCDMS)  
 Science of Health Care Delivery (Certificate), Certificate (NHHKCDGRCT)  
 Speech and Hearing Science, PHD (LAHEARPHD)  
 Speech and Hearing Science (Auditory and Language Neuroscience), PHD (NHSKSHALPHD)  
 Speech and Hearing Science (Translational Genetics of Communication Abilities), PHD (NHSKSHSTGPHD)

Integrative Sciences and Arts, College of  
 Applied Biological Sciences, MS (TSAPBIOSMS)  
 Counseling, MC (EDCOUNMC)  
 Counseling Psychology, PHD (EDCPSYPHD)  
 Integrative Social Science, MS (LSISSMS)  
 Narrative Studies, MA (LSNRSMA)  
 Technical Communication, MS (LSTCCMMS)  
 Technical Communication (certificate), Certificate (LSTECGRCT)  
 User Experience, MS (ESUSEXMS)

Interdisciplinary Arts & Sciences, New College of  
 Biological Data Science, MS (ASBDSMS)  
 Communication Studies, MA (ASCOMSTMA)  
 English, MA (ASENGLMA)  
 Forensic Psychology, MS (ASFPSYMS)  
 Forensic Science, PSM (ASFRSCIPSM)  
 Interdisciplinary Studies, MA (ASINTERMA)  
 Law and Psychology, PHD (ASLPSYPHD)  
 Psychology, MS (ASPGSMS)  
 Social Justice and Human Rights, MA (ASJHRMA)  
 Social Technologies, MA (ASSTCMA)

Journalism & Mass Communication, Walter Cronkite School of  
 Business Journalism, MS (CSBSJMS)  
 Digital Audience Strategy, MS (CSDASMS)  
 Digital Audiences (certificate), Certificate (CSDASGRCT)  
 Journalism and Mass Communication, PHD (CSJMCPhD)  
 Mass Communication, MMC (CSMCOMMMC)  
 Sports Journalism, MA (CSSPJMA)

Law, Sandra Day O'Connor College of  
 Biotechnology and Genomics, LL.M. (LWGENOMLLM)  
 Health Law and Policy (Certificate), Certificate (LWHLPGRCT)  
 Indian Law (certificate), Certificate (LWLAWGRCI)  
 Juris Doctor of Law, JD (LWJDJD)  
 Law and Sustainability (Certificate), Certificate (LWLSUSGRCT)  
 Law, Science, & Technology (certificate), Certificate (LWLAWSTCE)  
 Laws, LL.M. (LAWLAWSLLM)  
 Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)  
 Legal Studies, MLS (LWLGSMLGMS)  
 Legal Studies (Patent Practice), MLS (LWLPPMLGMS)  
 Sports Law and Business, JD (LWSLBJD)  
 Sports Law and Business, LL.M. (LWSLBLLM)

Sports Law and Business, MLS (LWSLBMLS)  
 Sports Law and Business, MSLB (LWSLBMSLB)  
 Trial Advocacy (Certificate), Certificate (LWTAGRCT)  
 Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)  
 Liberal Arts & Sciences, The College of  
 Actuarial Science, MS (LAACTMS)  
 Addiction and Substance-Use Related Disorders (certificate), Certificate (LAASRDGRCT)  
 African Studies (certificate), Certificate (LAAFRICACE)  
 American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)  
 American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)  
 American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)  
 American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)  
 American Media and Popular Culture, MAS (LAAMPCMAS)  
 American Studies, MA (LAAMSTMA)  
 Animal Behavior, PHD (LAANBPHD)  
 Anthropology, PHD (LAANTHRPHD)  
 Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)  
 Anthropology (Urbanism), PHD (LAURBPHD)  
 Applied Behavior Analysis, MS (LAAPBAMS)  
 Applied Linguistics, PHD (EDAPLPHD)  
 Applied Mathematics, PHD (LAAPMPHD)  
 Applied Mathematics for the Life & Social Sciences, PHD (LAAMLPHD)  
 Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)  
 Applied Prevention Science (Certificate), Certificate (LAAPSGRCT)  
 Asian Languages and Civilizations (Chinese), MA (LACHINAMA)  
 Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)  
 Asian Studies (certificate), Certificate (LAASIANCE)  
 Astrophysics, PHD (LAASTPHPHD)  
 Astrophysics and Astronomy, MS (LAASTPHMS)  
 Atmospheric Science (certificate), Certificate (LAATMOSCE)  
 Biochemistry, MS (LABIOCHMS)  
 Biochemistry, PHD (LABIOCHPHD)  
 Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)  
 Biology, MS (LABIOMS)  
 Biology, PHD (LABIOPHD)  
 Biology (Biology and Society), MS (LABIOSMS)  
 Biology (Biology and Society), PHD (LABIOSPHD)  
 Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)  
 Biomimicry, MS (LABMYMS)  
 Biomimicry (Certificate), Certificate (LABMYGRCT)  
 Chemistry, MS (LACHEMMS)  
 Chemistry, PHD (LACHEMPHD)  
 Communication, MA (LACOMMOMA)  
 Communication, PHD (LACOMMOPHD)  
 Computer-Assisted Language Learning (Certificate), Certificate (LACALLGRCT)  
 Creative Writing, MFA (LACWRITMFA)  
 Critical Theory (certificate), Certificate (LACRTGRCT)  
 Digital Humanities (Certificate), Certificate (LACDHGRCT)  
 East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)  
 English, MA (LAENGLMA)

English (English Education), PHD (LAENEDPHD)  
 English (Literature), PHD (LAENLITPHD)  
 English (Writing, Rhetorics, and Literacies), PHD (LAENRHTPHD)  
 English Education, MA (LAENEDMA)  
 Environmental Communication and Leadership (Certificate), Certificate (LAECLGRCT)  
 Environmental Life Sciences, PHD (LAELSPHD)  
 Environmental Social Science, PHD (LAESSPHD)  
 Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)  
 Environmental Social Science (Urbanism), PHD (LAESSURPHD)  
 Evolutionary Biology, PHD (LAEVOPHD)  
 Exploration Systems Design, PHD (LAESDPHD)  
 Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)  
 Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)  
 Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)  
 Family and Human Development, MS (LAFAMHDMS)  
 Family and Human Development, PHD (LAFAMSCPHD)  
 French (Comparative Literature), MA (LAFRECLMA)  
 French (Linguistics), MA (LAFRELINMA)  
 French (Literature), MA (LAFRELITMA)  
 Gender Studies, PHD (LAGSTPHD)  
 Gender Studies (certificate), Certificate (LAWSTGRCT)  
 Geographic Education, MAS (LAGEOEDMAS)  
 Geographic Information Science (certificate), Certificate (LAGEOGISCE)  
 Geographic Information Systems, MAS (LAGISMAS)  
 Geography, MA (LAGEOGMA)  
 Geography, PHD (LAGEOGPHD)  
 Geological Sciences, MS (LAGEOSCMS)  
 Geological Sciences, PHD (LAGEOSCPHD)  
 German, MA (LAGERMMA)  
 Global Health, MA (LASSHMA)  
 Global Health, PHD (LASSHPHD)  
 Global Health (Complex Adaptive Systems Science), PHD (LASSHCPHD)  
 Global Health (Culture and Health), PHD (LASSHCHPHD)  
 Global Health (Evolutionary Global Health Sciences), PHD (LASSHEPHD)  
 Global Health (Urbanism), PHD (LASSHURPHD)  
 Global Security, MA (LAGSCMA)  
 Global Security (Cybersecurity), MA (LAGSCSECMA)  
 History, MA (LAHISTMA)  
 History, PHD (LAHISTPHD)  
 History and Philosophy of Science, PHD (LAHPSCIPHD)  
 Immigration Studies (certificate), Certificate (LAIMMSTUCE)  
 Indigenous Education, MA (LAIEDMA)  
 Infant Family Practice, MAS (LACDEMAMAS)  
 International Letters and Cultures, PHD (LAILCPHD)  
 Justice Studies, MS (LAJUSSTMS)  
 Justice Studies, PHD (LAJUSSTPHD)  
 Liberal Studies, MLSt (LAMLMSLS)  
 Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)  
 Linguistics (certificate), Certificate (LALINGUICE)  
 Linguistics and Applied Linguistics, MA (LALINMA)

Linguistics and Applied Linguistics, PHD (LALINPHD)  
 Literary Translation Studies (Certificate), Certificate (LALTSGRCT)  
 Marriage and Family Therapy, MAS (LAMFTMAS)  
 Mathematics, MA (LAMATHMA)  
 Mathematics, PHD (LAMATHPHD)  
 Mathematics Education, PHD (LAMTEPHD)  
 Medieval Studies (certificate), Certificate (LAMEDSTCE)  
 Microbiology, MS (LAMICROMS)  
 Microbiology, PHD (LAMICROPHD)  
 Molecular and Cellular Biology, MS (LACELLMS)  
 Molecular and Cellular Biology, PHD (LACELLPHD)  
 Museum Studies, MA (LAMUSSTMA)  
 Museum Studies (certificate), Certificate (LAMUSEUMCE)  
 Nanoscience, PSM (LANANPSM)  
 Natural Science (Geological Sciences), MNS (LANATSCIMN)  
 Natural Science (Physics), MNS (LAPHYSMNS)  
 Neuroscience, PHD (GCBMENPHD)  
 Philosophy, MA (LAPHILMA)  
 Philosophy, PHD (LAPHILPHD)  
 Philosophy (History and Philosophy of Science), MA (LAHPSMA)  
 Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)  
 Physics, MS (LAPHYSIMS)  
 Physics, PHD (LAPHYSIPHD)  
 Plant Biology and Conservation, MS (LAPLBIOMS)  
 Political Science, MA (LAPOLSCMA)  
 Political Science, PHD (LAPOLSCPHD)  
 Psychology, PHD (LAPSYCHPHD)  
 Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)  
 Religious Studies, MA (LARELIGMA)  
 Religious Studies, PHD (LARELIGPHD)  
 Renaissance Studies (certificate), Certificate (LARENAISCE)  
 Scholarly Publishing (certificate), Certificate (LASCHPUBCE)  
 Scientific Teaching in Higher Education (certificate), Certificate (LASTHEGRCT)  
 Sexuality Studies (Certificate), Certificate (LASXSGRCT)  
 Social and Cultural Pedagogy, MA (LASCPMA)  
 Social Science Research Methods (Certificate), Certificate (LASSRMGRCT)  
 Social Transformation Certificate, Certificate (LASOTGRCT)  
 Socio-Economic Justice (certificate), Certificate (LAECJUGRCT)  
 Sociology, MA (LASOCMA)  
 Sociology, PHD (LASOCPHD)  
 Spanish, MA (LASPANMA)  
 Spanish, PHD (LASPANPHD)  
 Spanish Language Pedagogy (certificate), Certificate (LASPAPGRCT)  
 Statistics, MS (GCSTATMS)  
 Statistics, PHD (LASTPPHD)  
 Statistics (certificate), Certificate (GCSTATCE)  
 Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)  
 Transborder Studies, MAS (LATCLMAS)  
 Transborder Studies, PHD (LATCLPHD)  
 Transportation Systems (certificate), Certificate (GCTRANSCE)

Urban and Environmental Planning, MUEP (ARURBMUEP)  
 Urban Planning, PHD (ARPUPPHD)  
 Women and Gender Studies, MA (LAWSTMA)  
 World War II Studies, MA (LAWWSMA)

Nursing and Health Innovation, Edson College of

Acute Care Pediatric Nurse Practitioner (certificate), Certificate (NUACPNGRCT)  
 Adult Gerontology Nurse Practitioner (Certificate), Certificate (NUAGNPGRCT)  
 Adv Nursing Practice (Women's Health NP), DNP (NUANPWHDNP)  
 Advanced Nursing Practice, DNP (NUANPDNP)  
 Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP (NUANPACDNP)  
 Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)  
 Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)  
 Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)  
 Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)  
 Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNDNP)  
 Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)  
 Aging and Lifespan Development, MS (LAALDMS)  
 Biospecimen Repository Administration (certificate), Certificate (NUBRAGRCT)  
 Care Coordination (certificate), Certificate (NUCRCDGRCT)  
 Clinical Research Management, MS (NUCRMMS)  
 Clinical Research Management (certificate), Certificate (NUHCRGRCC)  
 Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)  
 Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)  
 Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)  
 Health Care Innovation, Certificate (NUHCINGRCT)  
 Healthcare Innovation, MHI (NUHCINNMHI)  
 Innovation Leadership, Certificate (NUINLSGRCT)  
 International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)  
 Interprofessional Healthy Aging (certificate), Certificate (NUGNCERT)  
 Nurse Education in Academic and Practice Settings (certificate), Certificate (NUNURSEDCE)  
 Nursing, MS (NUNURDTMS)  
 Nursing (Care Coordination), MS (NUCRCDMS)  
 Nursing (Entry to Nursing Practice), MS (NUNRENPRMS)  
 Nursing (Nursing Education), MS (NUNURSEDMS)  
 Nursing (Nursing Informatics), MS (NUNINFMS)  
 Nursing (Patient Safety and Health Care Quality), MS (NUPSHCMS)  
 Nursing and Healthcare Innovation, PHD (NUNHIPHD)  
 Nursing Informatics (Certificate), Certificate (NUNINFGRECT)  
 Patient Safety and Health Care Quality (certificate), Certificate (NUPSHCGRCT)  
 Pediatric Nurse Practitioner (Certificate), Certificate (NUPDNPGRCT)  
 Regulatory Science, MS (NURSHSMS)  
 Women's Health Nurse Practitioner (Certificate), Certificate (NUWHNPGRCT)

Public Service and Community Solutions, Watts College of

Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)  
 Community Resources and Development, MS (PPRECDTMS)  
 Community Resources and Development, PHD (PPCRDPHD)  
 Community Resources and Development (Nonprofits and NGOs), MS (PPCRDNPMS)  
 Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)  
 Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)  
 Community Resources and Development (Tourism), MS (PPCRDTMMS)

Corrections Management (Certificate), Certificate (PPCMGGRCT)  
 Criminal Justice, MA (PPCRIMJMA)  
 Criminal Sentencing and Sentencing Advocacy (Certificate), Certificate (PPCSAGRCT)  
 Criminology and Criminal Justice, MS (PPCRJMS)  
 Criminology and Criminal Justice, PHD (PPCRJPHD)  
 Domestic Violence and Evidence-Based Practice (Certificate), Certificate (PPDVEPGRCT)  
 Emergency Management (Certificate), Certificate (PPEMEGRCT)  
 Emergency Management and Homeland Security, MA (PPEMHSMA)  
 Emergency Management and Homeland Security (Biosecurity and Threat Management), MA (PPEMHSBTMA)  
 Emergency Management and Homeland Security (Community Resilience), MA (PPEMHSCRMA)  
 Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA (PPEHSCPMMA)  
 Emergency Management and Homeland Security (Emergency Management), MA (PPEMHSEMMA)  
 Emergency Management and Homeland Security (Homeland Security), MA (PPEMHSHSMA)  
 Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)  
 Law Enforcement Administration (Certificate), Certificate (PPLEAGRCT)  
 Nonprofit Leadership and Management, MNLM (PPNPSMNS)  
 Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)  
 Participatory Governance (certificate), Certificate (PPPGOGRCT)  
 Policy Informatics (Certificate), Certificate (PPPOIGRCT)  
 Program Evaluation (Certificate), Certificate (PPPGEVGRCT)  
 Program Evaluation and Data Analytics, MS (PPPGEMS)  
 Public Administration, EMPA (PPPUAEMPA)  
 Public Administration, MPA (PPPADTMPA)  
 Public Administration (Certificate), Certificate (PPPUAGRCT)  
 Public Administration (Emergency Management), MPA (PPPAFEMPA)  
 Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)  
 Public Administration (Public Finance), MPA (PPPAFPMPA)  
 Public Administration (Urban Management), MPA (PPPAFUMPA)  
 Public Administration (Urbanism), PHD (PPPAURBPHD)  
 Public Administration and Policy, PHD (PPSUBADPHD)  
 Public Policy, MPP (PPSUBPMPP)  
 Public Policy (Certificate), Certificate (PPPUPGRCT)  
 Public Policy (Environmental Policy), MPP (PPPUPEPMPP)  
 Public Policy (Policy Informatics), MPP (PPPUPIPMPP)  
 Public Policy (Science and Technology Policy), MPP (PPUPSTMPP)  
 Public Policy (Urban Policy), MPP (PPPUPUPMPP)  
 Public Safety Leadership & Administration (Emergency Medical Services-Mobile Integrated Healthcare), MPSLA (PPPSEMMPSL)  
 Public Safety Leadership and Administration, MPSLA (PPPSLAMP SL)  
 Public Safety Leadership and Administration (Executive Fire Administration), MPSLA (PPPSEFMPSL)  
 Public Safety Leadership and Administration (Executive Police Administration), MPSLA (PPPSEPMP SL)  
 Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)  
 Social Work, MSW (PPSWDMSW)  
 Social Work, PHD (PPSW2PHD)  
 Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)  
 Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)  
 Social Work - Advanced Standing - Advanced Generalist, MSW (PPASWMSW)  
 Sustainable Tourism, MAS (PPSUSTMAS)  
 Sustainable Tourism, MST (PPSUSTMST)  
 Sustainable Tourism (certificate), Certificate (PPSTGRCT)

Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)

Sustainability, School of

Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)

Environmental and Sustainability Economics (Certificate), Certificate (SUESECGRCT)

Food Policy and Sustainability Leadership (certificate), Certificate (SUFPSLGRCT)

Global Sustainability Science, MS (SUGSUSMS)

Sustainability, MA (SUSUSTMA)

Sustainability, MS (SUSUSTMS)

Sustainability, PHD (SUSUSTPHD)

Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD)

Sustainability Leadership, EMSL (SUEMSLEMSL)

Sustainability Leadership, MSL (SUSUSLMSL)

Sustainability Solutions, MSUS (SUSUSOMSUS)

Sustainable Energy, PHD (SUSUEPHD)

Teachers College, Mary Lou Fulton

Advanced Analytics in Higher Education, Certificate (TEAAHEGRCT)

An Overview of Autism Spectrum Disorders (certificate), Certificate (EDSPEGRCA)

Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)

Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)

Curriculum and Instruction (Accomplished Teaching), MA (EDACCTCMA)

Curriculum and Instruction (Applied Behavior Analysis), MEd (TEABAMED)

Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED)

Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)

Curriculum and Instruction (English as a Second Language), MA (EDESLEMA)

Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)

Curriculum and Instruction (Literacy Education), MA (EDLANGMA)

Educational Leadership, MEd (EDSUPVMED)

Educational Leadership (Principalship), MEd (TEPRINMED)

Educational Policy, MA (EDSPFMA)

Educational Policy and Evaluation, PHD (EDLDRSHPHD)

Educational Technology, MEd (EDTECHMED)

Educational Technology, PHD (EDTECHPHD)

Elementary Education (Teacher Certification), MEd (TEEEACLMEDE)

English as a Second Language (Certificate), Certificate (TEESLGRCT)

Gifted Education (Certificate), Certificate (TEGEDGRCT)

Global Education, MEd (TEGLOEDMED)

Higher and Postsecondary Education, MEd (EDPOSTMED)

Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)

Instructional Design and Performance Improvement (certificate), Certificate (EDEDTGRCT)

Leadership and Innovation, EdD (TELINEDD)

Leadership and Innovation (Policy and Administration), EdD (TEINNPAEDD)

Leadership and Innovation (Teaching), EdD (TEINNTEEDD)

Learning Sciences, MA (EDPSYCHMA)

Learning, Literacies and Technologies, PHD (EDCIPHD)

Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)

Physical Education, MPE (ECPHYEDMPE)

Secondary Education (Teacher Certification), MEd (TESCERTMED)

Special Education, MA (EDSPEDMA)

Special Education (Applied Behavior Analysis), MA (TESPEABAMA)

Special Education (Autism Spectrum Disorder), MA (TESPEASDMA)

Special Education (Teacher Certification), MEd (TESECRTMED)  
Technology for Teaching and Learning (certificate), Certificate (EDEDTTGRCT)

#### Undergraduate Programs

##### Minors (Program Descriptions and Requirements)

African and African American Studies Minor (LAAFRMIN)  
American Indian Studies Minor (LAAISMIN)  
American Studies Minor (ASAMSMIN)  
Anthropology Minor (LAASBMIN)  
Applied Biological Sciences Minor (TSABSMIN)  
Applied Computing Minor (ASACOMIN)  
Applied Ethics Minor (ASAPETHMIN)  
Applied Mathematics Minor (LSAPMMIN)  
Arabic Studies Minor (LAARBMIN)  
Architectural Studies Minor (ARSTDMIN)  
Art History Minor (FAARTHMIN)  
Asian Languages (Chinese) Minor (LACHIMIN)  
Asian Languages (Japanese) Minor (LAJPNMIN)  
Asian Pacific American Studies Minor (LAAPAMIN)  
Astronomy Minor (LAASTMIN)  
Astrophysics Minor (LAASTPHMIN)  
Biochemistry Minor (LABCHMIN)  
Biological Sciences Minor (LABIOMIN)  
Biology Minor (ASLSCMIN)  
Business Minor (BABUSMIN)  
Chemistry Minor (ASCHMMIN)  
Chemistry Minor (LACHMMIN)  
Civic and Economic Thought and Leadership Minor (LACELMIN)  
Communication Minor (HSCMNMIN)  
Communication Minor (LACOMMIN)  
Communication Minor (LSCOMMIN)  
Community Health Minor (NUCHLTMIN)  
Community Sports Management Minor (PPCSMMIN)  
Computational Mathematical Sciences Minor (LACMSMIN)  
Conflict Resolution Minor (ASCNRMIN)  
Construction Management Minor (ESCMGMIN)  
Counseling and Applied Psychological Science Minor (LSCAPSMIN)  
Criminology and Criminal Justice Minor (PPCRJMIN)  
Dance Minor (FADANMIN)  
Design Studies Minor (ARDSNMIN)  
Digital Audiences Minor (CSDAUMIN)  
Digital Culture Minor (HIDGCMIN)  
Disability Studies Minor (ASDISASMIN)  
Early Childhood Education Minor (TEECEDMIN)  
Economics Minor (LAECNMIN)  
Educational Studies Minor (TEEDSTMIN)  
Engineering Management Minor (ESENMMIN)  
English Minor (ASENGMIN)  
English Minor (LAENGMIN)  
English Minor (LSENGMIN)  
English (Linguistics) Minor (LAENGMINN)



English (Literature) Minor (LAENGMINT)  
Environmental Science Minor (ASENVMIN)  
Environmental and Resource Management Minor (ESERMMIN)  
Ethnic Studies Minor (ASETHMIN)  
Family and Human Development Minor (LAFASMIN)  
Fashion Minor (HIFSHMIN)  
Film and Media Production Minor (FAFMPPMIN)  
Film and Media Studies Minor (LAFMSMIN)  
Food and Nutrition Management Minor (ECFNTRMIN)  
French Minor (LAFREMIN)  
Geography Minor (LAGCUMIN)  
Geological Sciences Minor (LAGLGMIN)  
German Minor (LAGERMIN)  
Global Health Minor (LASSHMIN)  
Global Studies Minor (LASGSMIN)  
Health Care Compliance and Regulations Minor (NUHCCRMIN)  
Health Care Coordination Minor (NUHCCOMIN)  
Health Innovation Minor (NUHCIMIN)  
History Minor (ASHISMIN)  
History Minor (LAHISMIN)  
History Minor (LSHISMIN)  
History of Science, Ideas and Innovation Minor (LSHSIIMIN)  
Human Nutrition Minor (ECNTRMIN)  
Human Systems Engineering Minor (ESHSEMIN)  
Innovation in Society Minor (FIFISMIN)  
Integrative Health Minor (NUIHLTMIN)  
Integrative Social Science Minor (LSISSMIN)  
Interdisciplinary Organizational Studies Minor (ASIOSMIN)  
Interior Design History Minor (ARINTMIN)  
Italian Minor (LAITAMIN)  
Justice Studies Minor (LAJUSMIN)  
Kinesiology Minor (NHKINMIN)  
Korean Minor (LAKORMIN)  
Landscape Studies Minor (ARLNDMIN)  
Latin American Studies Minor (ASLASMIN)  
Materials Science and Engineering Minor (ESMSEMIN)  
Mathematics Minor (ASMATHMIN)  
Mathematics Minor (LAMATMIN)  
Media Analysis Minor (CSCMOMINA)  
Medical Studies Minor (NHMESTMIN)  
Military Leadership Minor (LAMISMIN)  
Music Minor (FAMUSMIN)  
Music Performance Minor (HIMUSPMIN)  
Music Theatre Minor (HIMUTHRMIN)  
Nonprofit Leadership and Management Minor (PPNLMMIN)  
Nutrition and Healthy Living Minor (NUNHLMIN)  
Organizational Leadership Minor (LSORGLMIN)  
Parks and Protected Area Management Minor (PPPRMMINT)  
Personal Health Minor (NHPHLMIN)  
Philosophy Minor (ASPHIMIN)

Philosophy Minor (LAPHIMIN)  
 Physics Minor (LAPHYMIN)  
 Physics Minor (LSPHYMIN)  
 Political Science Minor (ASPOLMIN)  
 Political Science Minor (LAPOSMIN)  
 Project Management Minor (LSPROMAMIN)  
 Psychology Minor (ASPGSMIN)  
 Psychology Minor (LAPGSMIN)  
 Psychology Minor (LSPGSMIN)  
 Public Relations and Strategic Communications Minor (HSPRSMIN)  
 Public Service and Public Policy Minor (PPPAFMIN)  
 Real Estate Minor (BAREAMIN)  
 Recreation Management Minor (PPRECMIN)  
 Recreation Therapy Minor (PPRECTMIN)  
 Religious Studies Minor (ASRELMIN)  
 Religious Studies Minor (LARELMIN)  
 Romanian Minor (LAROMMIN)  
 Russian Minor (LARUSMIN)  
 Science, Technology and Society Minor (ECSTSMIN)  
 Slavic Studies Minor (LASLVMIN)  
 Social Welfare Minor (LASSWMIN)  
 Social and Behavioral Sciences Minor (ASSBSMIN)  
 Sociocultural Anthropology Minor (ASASBMIN)  
 Sociology Minor (ASSOCMIN)  
 Sociology Minor (LASOCMIN)  
 Spanish Minor (ASSPAMIN)  
 Spanish Minor (LASPAMIN)  
 Spanish Minor (LSSPAMIN)  
 Special Events Management Minor (HSEVNMIN)  
 Speech and Hearing Science Minor (LASHSMIN)  
 Statistics Minor (LASTAMIN)  
 Studio Art Minor (HISTARTMIN)  
 Sustainability Minor (SUSUSMIN)  
 Sustainable Tourism Minor (PPTDMSMIN)  
 Technical Communication Minor (LSTWCMIN)  
 Technological Entrepreneurship and Management Minor (ESTEM2MIN)  
 Technological Entrepreneurship and Management Minor (ESTEM2MIN)  
 Theatre Minor (FATHEMIN)  
 Tourism Development and Management Minor (PPTDMMIN)  
 Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)  
 Urban Planning Minor (ARPUPMIN)  
 Urban and Metropolitan Studies Minor (PPURBMIN)  
 Wellness Foundations Minor (ECEXWMIN)  
 Women and Gender Studies Minor (ASWSTMIN)  
 Women and Gender Studies Minor (LAWSTMIN)  
 Youth Services Leadership Minor (HSYSLMIN)

Undergraduate Programs

Undergraduate Certificates (Program Descriptions and Requirements)

Actuarial Science Certificate (LAACTCERT)

African and African American Studies Certificate (LAAFRCERT)

American Indian Nation Governance Certificate (LAAIGVCERT)  
Analysis and Management of Insurance Risk Certificate (LAAMIRCERT)  
Applied Business Data Analytics Certificate (BABDACERT)  
Applied Cybersecurity Certificate (ASACSCERT)  
Applied Social Sciences Certificate (ASAPSSCERT)  
Arabic Studies Certificate (LAARBCERT)  
Arts Entrepreneurship Certificate (HITHAECERT)  
Arts and Humanities in Games Certificate (ASAHGCERT)  
Arts in Education Certificate (HIAEDCERT)  
Asian Pacific American Studies Certificate (LAAPACERT)  
Asian Studies Certificate (LAASNCERT)  
Atmospheric Sciences Certificate (LAATMSCERT)  
Biomedical Research Certificate (ASBMRCERT)  
Biomimicry Certificate (SUBMYCERT)  
Brazilian Studies Certificate (LABZSCERT)  
Child Life Certificate (LACHLFCERT)  
Child Life Certificate (LACHLFCERT)  
Civic Education Certificate (LACVECERT)  
Civil Communication Certificate (LACCOMCERT)  
Classical Studies Certificate (LACLGCERT)  
Communication Sciences and Disorders Certificate (NHCSDCERT)  
Communication Training and Assessment Certificate (ASCTACERT)  
Computational Life Sciences Certificate (LACLSICERT)  
Computer Gaming Certificate (ESSCICERT)  
Convention Sales and Meeting Planning Certificate (PPTDMCERT)  
Correctional Studies Certificate (PPCRTSCERT)  
Creative City Certificate (PPURBCERC)  
Criminal Investigations Certificate (PPCRICERT)  
Cross-Sector Leadership Certificate (PPCSLDCERT)  
Cryptology Certificate (LACRYCERT)  
Data Science Certificate (ASDTSCERT)  
Desert Food Production Certificate (LSDFPRCERT)  
Digital Business Innovation Certificate (BADBICERT)  
Digital Culture Certificate (HIDGCCERT)  
Diversity and Equity Studies Certificate (ASDESCERT)  
Domestic Violence and Evidence-based Practice Certificate (PPDVEPCERT)  
Economic Justice Certificate (LAECNJCERT)  
Energy and Sustainability Certificate (SUESUCERT)  
Entrepreneurship and Innovation Certificate (BAKEICERT)  
Environmental Education Certificate (TEEVEDCERT)  
Environmental Humanities Certificate (LAENHCERT)  
Environmental Humanities Certificate (LSENHCERT)  
Ethics Certificate (LAETHCERT)  
Ethnic Studies Certificate (ASETHCERT)  
Family Communication Certificate (ASFAMCCERT)  
Field Geology Certificate (LAFDGCERT)  
Film and Video Studies Certificate (ASVIDCERT)  
Food Industry Management and Marketing Certificate (BAFIMMCERT)  
Geographic Information Science Certificate (LAGISCERT)  
Globalization and Culture Certificate (LAGLCCERT)

Hazardous Materials and Waste Management Certificate (TSETMCERT)  
Health Care Policy and Delivery Certificate (NHHCPDCERT)  
Health Education Specialist Certificate (NHHEDSCERT)  
Health Science for the Peace Corps Certificate (NHHSPCCERT)  
Health and Wellness Coach Certificate (NHHWCCERT)  
History and Philosophy of Science Certificate (LAHPSCERT)  
Homeland Security Certificate (PPHSLCERT)  
Honors Business Consulting Certificate (BAECNUERT)  
Human Rights Certificate (LAHRTSCERT)  
Informatics Certificate (ESCPICERT)  
Innovation for Impact Certificate (FIIFICERT)  
Integrated Behavioral Health Certificate (NHIBHCERT)  
Interdisciplinary Health Humanities Certificate (LAIHHUCERT)  
International Business Certificate (BAIBSCERT)  
International Cinema Certificate (LAICINCERT)  
International Studies Certificate (LAINSCERT)  
Islamic Studies Certificate (LAISLCERT)  
Jewish Studies Certificate (LAJUDCERT)  
Korean Studies Certificate (LAKORCERT)  
Latin American Studies Certificate (LALASCERT)  
Law and Human Behavior Certificate (PPLWHBCERT)  
Leadership and Ethics Certificate (PPLDECERT)  
Leadership in Business Certificate (BALIBCERT)  
Leadership, Ethics and Service Certificate (PPLETSCERT)  
Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)  
Mathematical Concepts of Engineering Certificate (LAMACECERT)  
Medieval and Renaissance Studies Certificate (LAMRSCERT)  
Modern Hebrew Certificate (LAHEBCERT)  
Nonprofit Professional Certificate (PPNPYCERT)  
Oral History Certificate (ASOHCCERT)  
Peace Corps Prep Certificate (LSPCPRCERT)  
Personal Fitness Training Certificate (NHPFITCERT)  
Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)  
Political Economy Certificate (LAPLECERT)  
Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT)  
Political History and Leadership Certificate (LAPTLCERT)  
Power and Society Certificate (ASPWSOCERT)  
Professional Sales Certificate (BAPRSCERT)  
Public Administration and Public Management Certificate (PPPAFCERT)  
Religion and Conflict Certificate (LARELCERT)  
Risk Communication Certificate (ASRCMCERT)  
Risk Management Certificate (BARMGTCERT)  
Russian and East European Studies Certificate (LAREECERT)  
Sales and Marketing Essentials Certificate (BASMECERT)  
School Nutrition Certificate (ECNTRCERC)  
Secondary Education Certificate (TESEDCERT)  
Security Studies Certificate (PPSCSCERT)  
Small Business and Entrepreneurship Certificate (BASMBCERT)  
Social Science Research Methods Certificate (LASSRMCERT)  
Social Transformation Certificate (LASOTCERT)

Socially Engaged Practice in Design and the Arts Certificate (HISEPCERT)  
 Socio-Legal Studies Certificate (LASLSTCERT)  
 Spanish for the Professions Certificate (LSSPPRFCER)  
 Special Events Management Certificate (HSRTMUERT)  
 Speech-Language Pathology Assistant Certificate (LASLPACERT)  
 Sports Business Certificate (BASPBCERT)  
 Sports, Cultures and Ethics Certificate (LASPCECERT)  
 Sustainable Food Systems Certificate (SUFSUCERT)  
 Symbolic, Cognitive and Linguistic Systems Certificate (LAPHICERT)  
 Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)  
 Technical Communication Certificate (LSTECCERT)  
 Translation Certificate (LASPACERT)  
 Veterans, Society and Service Certificate (LAVSSCERT)  
 Wildlife Management Certificate (LSWLMCERT)  
 Women and Gender Studies Certificate (ASWSTCERT)  
 Women and Gender Studies Certificate (LAWSTCERT)  
 Working with Military Families Certificate (LAWWMFCERT)  
 Writing (Liberal Arts and Sciences) Certificate (LAENGCERT)  
 Writing (New College) Certificate (ASWRTCERT)

#### Undergraduate Programs

#### Undergraduate Degrees (Program Descriptions)

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

Accountancy, BS (BAACCBS)  
 Business, BA (BABUSBA)  
 Business (Business Administration), BA (BABUSBABA)  
 Business (Chinese Language and Culture), BA (BABUSCLBA)  
 Business (Communication), BA (BABUSCBA)  
 Business (Corporate Accounting), BA (BABUSCABA)  
 Business (Food Industry Management), BA (BABUSFIMBA)  
 Business (Global Agribusiness), BA (BABUSGAGBA)  
 Business (Global Leadership), BA (BABUSGBA)  
 Business (Global Logistics Management), BA (BABUSGLBA)  
 Business (Global Politics), BA (BABUSGPBA)  
 Business (Health Care), BA (BABUSHCBA)  
 Business (Human Resources), BA (BABUSHRBA)  
 Business (Information Security), BA (BABUSISBA)  
 Business (Language and Culture), BA (BABSLACUBA)  
 Business (Law), BA (BABUSLBA)  
 Business (Public Service and Public Policy), BA (BABUSPBA)  
 Business (Retail Management), BA (BABUSRBA)  
 Business (Spanish Language and Culture), BA (BABUSSLBA)  
 Business (Sports Business), BA (BABUSMSBA)  
 Business (Statistics), BA (BABUSTABA)  
 Business (Sustainability), BA (BABUSSBA)  
 Business (Technology), BA (BABUSTCBA)  
 Business (Tourism), BA (BABUSTBA)  
 Business (Urban Policy), BA (BABUSUBA)  
 Business Data Analytics, BS (BABDABS)  
 Business Entrepreneurship, BS (BABUENTBS)  
 Business Exploratory, (BABUSEXP)

Computer Information Systems, BS (BACISBS)  
 Economics, BS (BAECNBS)  
 Finance, BS (BAFINBS)  
 Food Industry Management, BS (BAFIMBS)  
 Management, BS (BAMGTBS)  
 Marketing, BS (BAMKTBS)  
 Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)  
 Marketing (Professional Sales), BS (BAMKTPSBS)  
 Supply Chain Management, BS (BASCMBBS)  
 Technological Entrepreneurship and Management, BS (TSTEM2BS)

Design & the Arts, Herberger Institute for  
 Architectural Studies, BSD (ARSTDBSD)  
 Art (Art Education), BFA (FAARTEBFA)  
 Art (Art History), BA (FAARTHBA)  
 Art (Art Studies), BA (FAARTSTDBA)  
 Art (Ceramics), BFA (FAARTCBFA)  
 Art (Digital Photography), BFA (HIARTDPBFA)  
 Art (Drawing), BFA (FAARTDBFA)  
 Art (Fibers), BFA (FAARTFBFA)  
 Art (Intermedia), BFA (FAARTIBFA)  
 Art (Museum Studies), BA (FAARTMSBA)  
 Art (Painting), BFA (FAARTPABFA)  
 Art (Photography), BFA (FAARTPHBFA)  
 Art (Printmaking), BFA (FAARTPMBFA)  
 Art (Sculpture), BFA (FAARTSBFA)  
 Arts (BA in the Arts), BA (FAATSBA)  
 Dance, BFA (FADANBFA)  
 Dance (Dance Education), BFA (FADANEBFA)  
 Design Studies, BA (ARDSNBA)  
 Design Studies (Design Management), BA (ARDSNMBA)  
 Digital Culture, BA (HIDGCBA)  
 Digital Culture (Art), BA (HIDGCABA)  
 Digital Culture (Arts and Design Studies), BA (HIDCADSBA)  
 Digital Culture (Design), BA (HIDGCDBA)  
 Digital Culture (English), BA (HIDGCENBA)  
 Digital Culture (Film), BA (HIDGCFBA)  
 Digital Culture (Graphic Information Technology), BA (HIDGCTEBA)  
 Digital Culture (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)  
 Digital Culture (Media Processing), BA (HIDGCMPPBA)  
 Digital Culture (Media Processing), BS (HIDGCMPPBS)  
 Digital Culture (Music), BA (HIDGCMBA)  
 Digital Culture (Theatre), BA (HIDGCTBA)  
 Environmental Design, BS (HIEDSBS)  
 Fashion, BA (HIFSHBA)  
 Film (Film and Media Production), BA (FAFLMBA)  
 Film (Filmmaking Practices), BA (FAFPRBA)  
 Graphic Design, BSD (ARGRABSD)  
 Industrial Design, BSD (ARINDBSD)  
 Interior Design, BSD (ARINTBSD)  
 Landscape Architecture, BSLA (ARPLABSLA)

Music, BA (FAMUSBA)  
 Music (Music and Culture), BA (HIMUSMCBA)  
 Music Education, BMUS (FAMUSEBM)  
 Music Therapy, BMUS (FAMUSTHBM)  
 Performance (Collaborative Piano), BMUS (FAMUSPPBM)  
 Performance (Guitar), BMUS (FAMUSPGBM)  
 Performance (Jazz), BMUS (FAMUSPJBM)  
 Performance (Keyboard), BMUS (FAMUSPKBM)  
 Performance (Music Theatre), BMUS (FAMUSPMBM)  
 Performance (Orchestral Instrument), BMUS (FAMUSPOBM)  
 Performance (Voice), BMUS (FAMUSPVBM)  
 Performance and Movement, BA (HIPERMVBA)  
 Theatre, BA (FATHEBA)  
 Theatre (Acting), BA (FATHEABA)  
 Theatre (Design and Production), BA (FADSNPRBA)  
 Theory and Composition (Composition), BMUS (FAMUSTCBM)  
 Theory and Composition (Theory), BMUS (FAMUSTTBM)

Engineering, Ira A. Fulton Schools of  
 Aeronautical Management Technology (Air Traffic Management), BS (ESAMTATBS)  
 Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)  
 Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)  
 Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS)  
 Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)  
 Aerospace Engineering (Astronautics), BSE (ESAEASBSE)  
 Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)  
 Air Traffic Management, BS (TSATMBS)  
 Applied Computer Science, BS (TSACSBS)  
 Applied Science (Aviation), BAS (TSAMTABAS)  
 Applied Science (Graphic Information Technology), BAS (TSGITBAS)  
 Applied Science (Internet and Web Development), BAS (TSIWDBAS)  
 Applied Science (Operations Management), BAS (TSIMCOBAS)  
 Biomedical Engineering, BSE (ESBMEBSE)  
 Chemical Engineering, BSE (ESCHEBSE)  
 Civil Engineering, BSE (ESCEEBSE)  
 Civil Engineering (Environmental Engineering), BSE (ESCEEEBSE)  
 Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)  
 Computer Science, BS (ESCSEBS)  
 Computer Science (Cybersecurity), BS (ESCSEIBS)  
 Computer Science (Software Engineering), BS (ESCSESBS)  
 Computer Systems Engineering, BSE (ESCSEBSE)  
 Computer Systems Engineering (Cybersecurity), BSE (ESCSEIBSE)  
 Construction Engineering, BSE (ESCONBSE)  
 Construction Management, BS (ESCONMGTBS)  
 Electrical Engineering, BSE (ESEEEBSE)  
 Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)  
 Engineering, BSE (TSEGRBSE)  
 Engineering (Automotive Systems), BSE (TSEGRASBSE)  
 Engineering (Electrical Systems), BSE (TSEGRESBSE)  
 Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)  
 Engineering (Robotics), BSE (TSEGRRBSE)

Engineering Exploration, (TSEGRPRE)  
 Engineering Management, BSE (ESEMGBSE)  
 Environmental Engineering, BSE (ESEVEBSE)  
 Environmental and Resource Management, BS (TSETMBS)  
 Graphic Information Technology, BS (TSGITBS)  
 Graphic Information Technology (User Experience), BS (ESGITUEBS)  
 Human Systems Engineering, BS (ESHSEBS)  
 Human Systems Engineering (User Experience), BS (ESHSEUEBS)  
 Industrial Engineering, BSE (ESIEEBSE)  
 Informatics, BS (ESCPIBS)  
 Information Technology, BS (TSIFTBS)  
 Manufacturing Engineering, BS (TSMEGRBS)  
 Materials Science and Engineering, BSE (ESMSEBSE)  
 Mechanical Engineering, BSE (ESMAEMBSE)  
 Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)  
 Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)  
 Software Engineering, BS (TSSERBS)  
 Technological Entrepreneurship and Management, BS (TSTEM2BS)

Future of Innovation in Society, School for the  
 Innovation in Society, BA (FIFISBA)  
 Innovation in Society, BS (FIFISBS)

Global Management, Thunderbird School of  
 Global Management, BGM (TBTGMBGM)  
 International Trade, BS (TBINTRABS)

Health Solutions, College of  
 Applied Science (Food Service Management), BAS (ECNTRBAS)  
 Applied Science (Health Sciences), BAS (NUHSCBAS)  
 Applied Science (Medical Laboratory Science), BAS (NUMLSBAS)  
 Biomedical Informatics, BS (ESBMIBS)  
 Exercise and Wellness, BS (ECEXERBS)  
 Exercise and Wellness (Fitness and Wellness Specialist), BS (ECEXWBS)  
 Exercise and Wellness (Strength and Conditioning Specialist), BS (NHEXWSCBS)  
 Health Education and Health Promotion, BS (NHHEHPBS)  
 Health Sciences, BS (NHHSCBS)  
 Health Sciences (Health Policy), BS (NUHSCHPBS)  
 Health Sciences (Healthy Lifestyles Coaching), BS (NUHSCHLCBS)  
 Health Sciences (Pre-professional), BS (NUHSCPREBS)  
 International Public Health, BIPH (NHIPHBIPH)  
 Kinesiology, BS (NUKINBS)  
 Medical Studies, BS (NHMEDBS)  
 Nutrition, BS (NHNTRBS)  
 Nutrition (Dietetics), BS (ECNTRDBS)  
 Nutrition (Food and Nutrition Management), BS (ECNTRMBS)  
 Nutrition (Human Nutrition), BS (ECNTRHBS)  
 Nutrition (Nutrition Communication), BS (ECNTRCBS)  
 Public Health, BS (NHPBHBS)  
 Science of Health Care Delivery, BS (NHHCDBS)  
 Speech and Hearing Science, BS (LASHSBS)  
 Sports Science and Performance Programming, BS (NHSPTSPPBS)

Honors - Barrett, The Honors College



Honors College, (9HOHONALL)

Integrative Sciences and Arts, College of

- Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)
- Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)
- Applied Biological Sciences (Natural Resource Ecology), BS (LSABSNRBS)
- Applied Biological Sciences (Preveterinary Medicine), BS (LSABSPMBS)
- Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)
- Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)
- Applied Mathematics, BS (LSMATBS)
- Applied Physics, BS (LSAPHYBS)
- Applied Quantitative Science, BS (LSAQSBS)
- Applied Science (Applied Leadership), BAS (LSALSBAS)
- Applied Science (Technical Communication), BAS (LSTECBAS)
- Communication, BA (LSCOMBA)
- Counseling and Applied Psychological Science, BS (LSCAPSBS)
- English, BA (LSENGBA)
- Exploratory Health and Life Sciences, (UCHSCIEXPL)
- Exploratory Humanities, Fine Arts and Design, (UCHUFAEXPL)
- Exploratory Math, Physical Sciences, Engineering and Technology, (UCEMTPEXPL)
- Exploratory Social and Behavioral Sciences, (UCSBSEXPL)
- General Studies, BA (LSGNSBGS)
- History, BA (LSHISBA)
- History of Science, Ideas and Innovation, BA (LSHSIIBA)
- Integrative Social Science, BS (LSISSBS)
- Interdisciplinary Studies, BA (LSBISBIS)
- Interdisciplinary Studies (Organizational Studies), BA (LSORGBIS)
- Liberal Studies, BA (LABLSBLS)
- Organizational Leadership, BA (LSORGLBA)
- Organizational Leadership (Project Management), BA (LSORGLPMBA)
- Political Science, BS (LSPOLBS)
- Psychology, BA (LSPGSBA)
- Psychology, BS (LSPGSBS)
- Science, Technology and Society, BS (ECSTSBS)
- Technical Communication, BS (LSTECBS)
- Technical Communication (User Experience), BS (LSTECUBS)

Interdisciplinary Arts & Sciences, New College of

- Applied Computing, BS (ASACOBBS)
- Applied Computing (Cybersecurity), BS (ASACOCBS)
- Applied Mathematics, BS (ASMATBS)
- Applied Science, BAS (ASBASBAS)
- Biology, BA (ASLSCBA)
- Biology, BS (ASLSCBS)
- Biology (Environmental Science), BS (ASLSCEBS)
- Biology (Forensics), BS (ASLSCFBS)
- Biology (Pharmacology/Toxicology), BS (ASLSCPBS)
- Biotechnology and Bioenterprise, BS (ASBITEBS)
- Communication, BA (ASCOMMBA)
- Communication, BS (ASCOMMBS)
- Computational Forensics, BS (ASCPFBS)
- Conflict Resolution, BA (ASCNRBA)

Disability Studies, BA (ASDISASBA)  
 English, BA (ASENGBA)  
 English (Secondary Education), BA (ASENGSEBA)  
 Environmental Science, BA (ASENVBA)  
 Environmental Science, BS (ASENVBS)  
 Exploratory Applied Computing, Mathematics and Technology, (ASACMTEXPL)  
 Exploratory Health and Life Sciences, (ASHSCIEXP)  
 Exploratory Humanities, Fine Arts and Design, (ASHUFAEXP)  
 Exploratory Social and Behavioral Sciences, (ASSBSEXPL)  
 Forensic Science, BS (ASFOREBS)  
 History, BA (ASHISBA)  
 History (Secondary Education), BA (ASHISSEBA)  
 Interdisciplinary Arts and Performance, BA (ASIAPBA)  
 Interdisciplinary Arts and Sciences, BA (ASIASBA)  
 Latin American Studies, BA (ASLASBA)  
 Pharmacology and Toxicology, BS (ASPTXBS)  
 Philosophy, Religion and Society, BA (ASRELBA)  
 Political Science, BA (ASPOLBA)  
 Political Science, BS (ASPOLBS)  
 Psychology, BA (ASPGSBA)  
 Psychology, BS (ASPGSBS)  
 Psychology (Forensic Psychology), BA (ASPGSFPBA)  
 Psychology (Forensic Psychology), BS (ASPGSFPBS)  
 Social Justice and Human Rights, BA (ASJHRBA)  
 Social and Behavioral Sciences, BA (ASSBSBA)  
 Social and Behavioral Sciences, BS (ASSBSBS)  
 Social and Cultural Analysis (American Studies), BA (ASSCAASBA)  
 Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA (ASSCAERBA)  
 Social and Cultural Analysis (Latin American Studies), BA (ASSCALABA)  
 Social and Cultural Analysis (Peace Studies), BA (ASSCAPSBA)  
 Social and Cultural Analysis (Queer and Sexuality Studies), BA (ASSCAQSBA)  
 Social and Cultural Analysis (Women and Gender Studies), BA (ASSCAWSBA)  
 Sociology, BA (ASSOCBA)  
 Sociology, BS (ASSOCBS)  
 Spanish, BA (ASSPABA)  
 Statistics, BS (ASSTABS)  
 Women and Gender Studies, BS (ASWSTBS)

Journalism & Mass Communication, Walter Cronkite School of  
 Digital Audiences, BS (CSDIGABS)  
 Journalism and Mass Communication, BA (CSJMCBA)  
 Mass Communication and Media Studies, BA (CSMCMSTBA)  
 Sports Journalism, BA (CSSPJBA)

Liberal Arts & Sciences, The College of  
 Actuarial Science, BS (LAACTBS)  
 African and African American Studies, BA (LAAFRBA)  
 American Indian Studies, BS (LAAISBS)  
 Anthropology, BA (LAASBBA)  
 Anthropology, BS (LAASBBS)  
 Applied Mathematics for Life and Social Sciences, BS (LAAMLBS)  
 Asia Studies (East Asia), BA (LAHSTEABA)

Asia Studies (South Asia), BA (LAHSTSABA)  
 Asia Studies (Southeast Asia), BA (LAHSTSEABA)  
 Asian Languages (Chinese), BA (LACHIBA)  
 Asian Languages (Japanese), BA (LAJPNBA)  
 Asian Pacific American Studies, BA (LAAPABA)  
 Biochemistry, BA (LABCHBA)  
 Biochemistry, BS (LABCHBS)  
 Biochemistry (Medicinal Chemistry), BS (LABCHMBS)  
 Biological Sciences, BS (LABSCBS)  
 Biological Sciences (Biology and Society), BS (LABSCSBS)  
 Biological Sciences (Biomedical Sciences), BS (LABSCMBS)  
 Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)  
 Biological Sciences (Genetics, Cell and Developmental Biology), BS (LABSCGBS)  
 Biological Sciences (Neurobiology, Physiology and Behavior), BS (LABSCABS)  
 Biophysics, BS (LABIPHBS)  
 Chemistry, BA (LACHMBA)  
 Chemistry, BS (LACHMBS)  
 Chemistry (Environmental Chemistry), BS (LACHMEBS)  
 Civic and Economic Thought and Leadership, BA (LACELBA)  
 Civic and Economic Thought and Leadership, BS (LACETLBS)  
 Communication, BA (LACOMBA)  
 Communication, BS (LACOMBS)  
 Computational Mathematical Sciences, BS (LACMSBS)  
 Earth and Environmental Studies, BA (LAEESBA)  
 Earth and Space Exploration, BS (LASESBS)  
 Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)  
 Earth and Space Exploration (Astrophysics), BS (LASESABS)  
 Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)  
 Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)  
 Economics, BS (LAECNBS)  
 Economics (Politics and the Economy), BS (LAECNPECBS)  
 English, BA (LAENGBA)  
 English (Creative Writing), BA (LAENGCBA)  
 English (Linguistics), BA (LAENGNBA)  
 English (Literature), BA (LAENGTBA)  
 English (Secondary Education), BA (LAENGSEBA)  
 English (Writing, Rhetorics and Literacies), BA (LAENGWBA)  
 Family and Human Development, BS (LAFASBS)  
 Film (Film and Media Studies), BA (LAFMSBA)  
 French, BA (LAFREBA)  
 Geographic Information Science, BS (LAGISBS)  
 Geography, BA (LAGCUBA)  
 Geography, BS (LAGCUBS)  
 Geography (Meteorology-Climatology), BS (LAGCUMBS)  
 Geography (Urban Studies), BS (LAGCUUBS)  
 German, BA (LAGERBA)  
 Global Health, BA (LASSHBA)  
 Global Studies, BA (LASGSBA)  
 History, BA (LAHISBA)  
 History (Secondary Education), BA (LAHISSEBA)

Integrated Studies, BA (LAISTBA)  
 Integrated Studies, BS (LAISTBS)  
 International Letters and Cultures, BA (LASLCBA)  
 International Letters and Cultures (Arabic Studies), BA (LASLCASBA)  
 International Letters and Cultures (Classical Civilization), BA (LASLCVBA)  
 International Letters and Cultures (Classics), BA (LASLCCBA)  
 Italian, BA (LAITABA)  
 Jewish Studies, BA (LAJSTBA)  
 Justice Studies, BA (LAJUSBA)  
 Justice Studies, BS (LAJUSBS)  
 Mathematics, BA (LAMATBA)  
 Mathematics, BS (LAMATBS)  
 Mathematics (Secondary Education), BS (LAMATSBS)  
 Mathematics (Statistics), BS (LAMATTBS)  
 Microbiology, BS (LAMICBS)  
 Microbiology (Medical Microbiology), BS (LAMICMBS)  
 Molecular Biosciences and Biotechnology, BS (LAMBBBS)  
 Neuroscience, BS (LABMENBS)  
 Philosophy, BA (LAPHIBA)  
 Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)  
 Physics, BA (LAPHYBA)  
 Physics, BS (LAPHYBS)  
 Physics (Secondary Education), BS (LAPHYSEBS)  
 Political Science, BA (LAPOSBA)  
 Political Science, BS (LAPOSBS)  
 Politics and the Economy, BS (LAPECBS)  
 Psychology, BA (LAPGSBA)  
 Psychology, BS (LAPGSBS)  
 Psychology (Psychological Science), BS (LAPGSPSBS)  
 Religious Studies, BA (LARELBA)  
 Religious Studies (Religion, Culture and Public Life), BA (LARELCPBA)  
 Religious Studies (Religion, Politics and Global Affairs), BA (LARELPGBA)  
 Russian, BA (LARUSBA)  
 Sociology, BS (LASOCBS)  
 Spanish, BA (LASPABA)  
 Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)  
 Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)  
 Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)  
 Urban Planning, BSP (ARPUPBSP)  
 Women and Gender Studies, BA (LAWSTBA)  
 Nursing and Health Innovation, Edson College of  
   Applied Science (Health Entrepreneurship and Innovation), BAS (NUHCIBAS)  
   Community Health, BS (NUCHLTBS)  
   Health Care Compliance and Regulations, BS (NUHCCRBS)  
   Health Care Coordination, BS (NUHCCOBS)  
   Health Entrepreneurship and Innovation, BS (NUHCIBS)  
   Integrative Health, BS (NUIHLTBS)  
   Nursing, BSN (NUNURDBSN)  
 Public Service and Community Solutions, Watts College of

Applied Science (Emergency Management), BAS (PPEMGBAS)  
 Community Advocacy and Social Policy, BA (PPCASPBA)  
 Community Sports Management, BS (PPCSMBS)  
 Community Sports Management (Events), BS (PPCSMEBS)  
 Criminology and Criminal Justice, BS (PPCRIMJBS)  
 Nonprofit Leadership and Management, BS (PPNLMBS)  
 Nonprofit Leadership and Management (American Indian Studies), BS (PPNLMAIBS)  
 Parks and Recreation Management, BS (PPPRMBS)  
 Parks and Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)  
 Public Service and Public Policy, BS (PPPAFBS)  
 Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)  
 Public Service and Public Policy (Business), BS (PPPAFBUBS)  
 Public Service and Public Policy (Criminology), BS (PPPAFCBS)  
 Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)  
 Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)  
 Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS)  
 Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)  
 Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)  
 Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)  
 Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS)  
 Public Service and Public Policy (Sustainability), BS (PPPAFSBS)  
 Recreation Therapy, BS (PPRECTBS)  
 Social Work, BSW (PPSWUSWU)  
 Tourism Development and Management, BS (PPTDMBS)  
 Tourism Development and Management (Meetings and Events), BS (PPTDMMEBS)  
 Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS)  
 Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)  
 Tourism and Recreation Management, BS (PPTRMBS)  
 Urban and Metropolitan Studies, BA (PPURBBA)  
 Urban and Metropolitan Studies, BS (PPURBBS)

Sustainability, School of

- Sustainability, BA (SUSUSTBA)
- Sustainability, BS (SUSUSTBS)
- Sustainable Food Systems, BS (SUSFOSYSBS)

Teachers College, Mary Lou Fulton

- Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)
- Education Exploratory, (TEEDUEXPL)
- Educational Studies, BAE (EDSLSTBAE)
- Educational Studies (Early Childhood Education), BAE (TEESECEBAE)
- Elementary Education, BAE (TEEEDBAE)
- Elementary Education (Bilingual Education and English as a Second Language), BAE (TEDLLBAE)
- Elementary Education (Science, Technology, Engineering and Mathematics), BAE (TEESTEMBAE)
- Secondary Education, BAE (TESEDBAE)
- Secondary Education (Biological Sciences), BAE (TEBIOBAE)
- Secondary Education (Chemistry), BAE (TECHMBAE)
- Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)
- Secondary Education (English), BAE (TEENGBAE)
- Secondary Education (German), BAE (EDGERBAE)
- Secondary Education (History), BAE (TEHISBAE)
- Secondary Education (Japanese), BAE (EDJPNBAE)

Secondary Education (Mathematics), BAE (TEMATBAE)  
Secondary Education (Physical Education), BAE (ECPPEBAE)  
Secondary Education (Physics), BAE (EDPHYBAE)  
Secondary Education (Political Science), BAE (TEPOLBAE)  
Secondary Education (Spanish), BAE (TESPABAE)  
Special Education (Visual Impairment), BAE (TESPEVIBAE)  
Special Education and Elementary Education, BAE (TESPEBAE)

# Graduate Programs

## Graduate Degrees and Certificates (Program Descriptions and Requirements)

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

#### Accountancy, MAcc (BAACCMACC)

**Online Degree Search Title:** Accountancy, MACC

**Campus:** Tempe

**Program Description:**

The nine-month MACC program is full-time cohort-based and delivered by the W. P. Carey School of Accountancy, highly ranked by the Public Accounting Report. The cutting-edge curriculum is structured to provide students with an in-depth working knowledge of advanced accounting topics that are most relevant in today's business environment and reviewed every year with input from accounting professionals and alumni. Esteemed faculty experts bring real-world experience into each class, giving the degree even more long-term value.

The Master of Accountancy program is designed for individuals who want to immerse themselves in full-time graduate studies, take classes during the day and fulfill course requirements for the CPA exam in both Arizona and California. Because of the quality of the Master of Accountancy program, students gain the skills and knowledge needed to launch their accounting careers while opening the door to top hiring firms.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

Legal Studies, MLS

W. P. Carey MBA - Full-Time Program

**Degree Requirements:**

30 credit hours including the required capstone course (ACC 586).

Required Core (3 credit hours)

ACC 512 Advanced Auditing (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)

ACC 586 Shareholder Value Creation and Financial Statement Analysis (3)

Additional Curriculum Information

Students should see the academic unit for an approved list of elective coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in accountancy from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all coursework completed at institutions other than ASU
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

Applicants must complete program prerequisites prior to admission to the program. Students should refer to the master's degree program website for a current list of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs/accounting>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## Agribusiness, MS (AGAGRIBMS)

**Online Degree Search Title:** Agribusiness, MS

**Campus:** Polytechnic

ASU is not currently accepting applications for this program.

**Program Description:**

The Morrison School of Agribusiness at the Polytechnic campus offers the MS in agribusiness. This degree program is designed to prepare students from a variety of backgrounds with a set of critical and analytical business skills, while recognizing the unique demands of the agribusiness and resource management sectors. Graduates are well prepared for successful administrative or managerial careers with either government or private-sector organizations in either field.

Students are able to select either a research-oriented program, which leads to the completion of a supervised thesis, or a program consisting of coursework only (nonthesis option). The nonthesis option allows students to develop an area of specialization and apply these skills to a real-world environmental and resource management problem through an integrative capstone course experience. Both the thesis and nonthesis options require the completion of a common set of core courses.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required capstone course (AGB 589).

Core requirements for this program include 18 credit hours of coursework. Thesis students fulfill the remaining 12 credit hours by taking three research credits, six thesis credits and three credit hours of electives. Nonthesis students fulfill the remaining hours by taking 12 credit hours of electives.

It is suggested that students take a coherent sequence of courses such as those indicated below, but considerable flexibility is possible based on individual backgrounds and interests.

Thesis and Nonthesis Master's Degree in Agribusiness

Semester I

AGB 528 Advanced Agribusiness Marketing (3)

AGB 561 Applied Econometrics (3)

Semester II

AGB 511 Advanced Agribusiness Management (3)

AGB 532 Advanced Agribusiness Finance (3)

AGB 570 Managerial Economics for Agribusiness (3)

Semester III



500-level AGB emphasis electives (6)

AGB 589 Agribusiness Capstone (3)

Semester IV

500-level AGB emphasis or other electives (9)

Thesis Option

AGB 592 Research (3)

AGB 599 Thesis (6)

**Admission Requirements:**

Students must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE general exam, Miller Analogies Test or GMAT scores
- statement of purpose
- current curriculum vitae
- three letters of recommendation (optional)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Complete information on the English proficiency exams and other required documents can be found on the Admission Service's website <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

Applicants must submit all the items above to complete an application file. Incomplete files will not be reviewed or considered until complete.

An explanation of the applicant's basic skills in economics, accounting, statistics, computer use and some experience or knowledge in an area related to agribusiness should be addressed in the statement of purpose.

Applicants should see the program website for application deadlines.

The Morrison School of Agribusiness awards assistantships to selected candidates. These support ongoing research and teaching activities. The awards are made on the basis of availability and according to the needs of the faculty and interests of the students. Scholarships are also available on a competitive basis for qualified candidates.

**Contact Information:**

Business, W. P. Carey School of  
Morrison School of Agribusiness  
<https://wpcarey.asu.edu/masters-programs>  
MCRD 350  
wpcareymasters@asu.edu

## Business Administration (Accountancy), PHD (BAACCTPHD)

**Online Degree Search Title:** Accountancy, PhD

**Campus:** Tempe

### Program Description:

The PhD program in business administration with a concentration in accountancy allows students to develop the capability to review, analyze, conduct and publish research through a series of research seminars, theory-building and statistical coursework that supplement and complement students' abilities and desires. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the School of Accountancy.

### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

#### Plan of Study

This program consists of 12 credit hours of dissertation and 72 credit hours of coursework and research. Students may not apply credit hours earned from a doctoral degree previously awarded by ASU or another institution toward their current ASU doctoral degree. However, at the academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their study committees to determine an appropriate plan of study. Common areas of functional specialization among doctoral studies include financial and managerial accounting, auditing and taxation. Within these functional areas, doctoral studies may emphasize experimental or archival research methods. All accountancy doctoral students are required to take a three-semester sequence of accountancy doctoral coursework. A maximum of 12 approved graduate credit hours may be transferred to satisfy program requirements.

#### Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam; an oral exam may also be required, at the discretion of the academic unit.

#### Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the Dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

#### Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit, such as 795 Continuing Registration, during the semester (including a summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policy and procedures for a Doctor of Philosophy.

#### Maximum Time Limit

Doctoral students must complete all program requirements within 10 consecutive years.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT scores
- portfolio
- letters of recommendation
- personal statement

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applications are initially reviewed by a School of Accountancy doctoral committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good match of students' goals and the school. Recommendations for action are then made to the director of doctoral programs in the W. P. Carey School of Business who, in turn, makes recommendations to Graduate Admission Services.

#### Contact Information:

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/accounting-degrees>

BA 223Q

wpcareyacc@asu.edu

480-965-3631

## Business Administration (Agribusiness), PHD (BAAGRIPHD)

**Online Degree Search Title:** Agribusiness, PhD

**Campus:** Polytechnic

#### Program Description:

As an academic discipline, agribusiness involves the application of theory and quantitative methods in economics, finance, marketing and management to issues involved in the production, distribution and marketing of food and fiber. Doctoral students of agribusiness are involved with research in the following:

- agribusiness management
- derivatives, commodity marketing and risk management
- food and fiber supply chain management
- food marketing
- food policy and promotion
- global agricultural trade and policy
- strategic marketing by food retailers

The interdisciplinary PhD program in business administration with a concentration in agribusiness produces scholars who are trained in the latest methods of business and economic analysis to emerge on the forefront of problem-solving in a vital sector of the global economy. Agribusiness graduates are expected to assume teaching and research positions at top-ranked research universities.

This program is offered by the W. P. Carey School of Business and the Morrison School of Agribusiness.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

#### Plan of Study

At least 30 credit hours (may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctorate degree previously awarded at ASU or another institution toward their current ASU doctorate. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Agribusiness doctoral students are expected to develop a program of study that consists of three elements. They will study a core of theory and quantitative methods coursework in economics and management from the Morrison School of Agribusiness. They will also take advanced courses in at least one of these areas in the W. P. Carey School of Business: economics, finance, marketing, supply chain management or management. Their study will also consist of a three-course sequence of doctorate-level theory and methods from the Morrison School of Agribusiness as applied to issues and concepts specific to the agribusiness sector.

The agribusiness doctorate is designed to allow flexibility with focus, so each student's program of study is unique, but is designed to produce the highest level of research competency in the student's chosen area of interest.

#### Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the

discretion of the academic unit, an oral exam may also be required.

#### Candidacy

Doctoral students are notified of achieving candidacy status in a letter from the Dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

#### Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College Policies and Procedures.

#### Maximum Time Limit

Doctoral students must complete all program requirements within 10 consecutive years.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE general exam or GMAT scores
- personal statement
- current curriculum vitae
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Complete information on the English proficiency exams and other required documents can be found on the Graduate Admission Services website:

<https://students.asu.edu/graduate/international> (<https://students.asu.edu/graduate/international>).

Applicants must submit all the items listed above to complete an application file. Incomplete files will not be reviewed or considered until complete.

An explanation of the applicant's goals should be addressed in the personal statement.

Students should see the program website for application deadlines. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

#### Contact Information:

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/agribusiness-degrees/doctoral>

SANTN 230

[wpcarey.morrison@asu.edu](mailto:wpcarey.morrison@asu.edu)

480-727-1586

## Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)

**Online Degree Search Title:** Computer Information Systems, PhD

**Campus:** Tempe

#### Program Description:

The Department of Information Systems offers a computer information systems concentration within the W. P. Carey PhD in business

administration. The objective of the full-time program is to prepare scholars for careers at leading research-focused educational institutions.

This program allows students to develop the capability to review, analyze, conduct and publish research through a series of seminars and additional supporting coursework. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the department. W. P. Carey faculty and doctoral students present their research at leading national and international conferences and publish their research in academic journals.

Research topics include business analytics and big data, health care IT, IT-enabled services and process innovation, information economics and strategy, security and privacy, and social media and e-commerce and mobile platforms. In addition to publishing in top information systems journals, doctoral students are often published in leading journals in other disciplines, including accounting, economics, finance, health care management, marketing, managerial decision-making, operations management and strategic management.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

#### Plan of Study

The doctoral program consists of a minimum of 84 credit hours of graduate-level coursework beyond the bachelor's degree. A minimum of 42 credit hours of doctoral coursework and 12 credit hours of dissertation credits are required to be taken at Arizona State University's Tempe campus. At the department's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their program committees to determine an appropriate plan of study. Common areas of specialization for doctoral studies include:

- business analytics and big data
- health care information technology
- information economics and strategy
- IT-enabled services and process innovation
- security and privacy
- social media, e-commerce and mobile platforms

#### Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examination. At minimum, the comprehensive examination consists of a minimum of a written exam, and an oral exam may also be required by the academic unit.

#### Candidacy

Doctoral students are notified of achieving candidacy status by receipt of a letter from the Dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

#### Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctoral degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policies and procedures.

#### Maximum Time Limit

Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT score
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International applicants whose native language is not English must submit scores from the TOEFL. For more information on requirements, students should review the program's website. They should also review the Graduate College website for specific ASU admission requirements.

A master's degree or MBA is recommended (30 credit hours may count toward the minimum total of 84 hours of coursework in the doctoral program). At least two years of full-time related work experience is recommended.

Doctoral students admitted to the W. P. Carey School of Business must have demonstrated competency in mathematics, strong quantitative ability, competency in the U.S. of computer technology for analytical purposes, and an undergraduate degree in a related field from an accredited university.

Applications are reviewed by the department's faculty committee using a portfolio approach. The committee will review each individual application and examine all parts equally.

**Contact Information:**

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/information-systems-degrees/doctoral/overview>

BA 301P

wpcareyis@asu.edu

480-965-3252

## **Business Administration (Finance), PHD (BAFINANPHD)**

**Online Degree Search Title:** Finance, PhD

**Campus:** Tempe

**Program Description:**

The primary objective of the PhD in business administration with a concentration in finance is to train students for careers as professors of finance at major research universities.

The program provides a challenging course of study in the most recent developments in both the theoretical and empirical aspects of financial economics. This course of study, along with work in economics and statistics, serves as preparation for the understanding and critical analysis of current issues in finance.

Doctoral students work with distinguished faculty who comprise one of the most productive research groups in the world. Recent surveys of research productivity rank the Department of Finance among the best in the world for research output in the top journals. The faculty produce cutting-edge empirical research in the areas of equity markets, corporate finance, organization structure, international finance, financial institutions

and asset pricing. The program is relatively small, promoting faculty-student mentoring relationships; doctoral students receive personal attention.

The program seeks highly capable students with strong academic backgrounds and preferably with work experience.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Plan of Study

At least 30 credit hours (which may include research credit) of the approved doctoral degree program and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or at another institution toward this doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 relevant credit hours from a previously awarded master's degree toward their doctoral plan of study.

Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of the comprehensive examination. At minimum, the examination consists of a written exam, and an oral exam also may be required by the academic unit.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or for one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policy and procedures for the Doctor of Philosophy.

Maximum Time Limit

Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three academic letters of recommendation
- scores from the GMAT or GRE
- a brief statement of their career objectives
- a resume

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum TOEFL requirement is a score of 550 (PBT) or 80 (iBT). An iBT score of 26 is required on the ASU Speaking Proficiency English Assessment Kit for applicants who wish to apply for teaching associateships.

Admission to the PhD program in business administration with a concentration in finance is granted to applicants who present convincing evidence of high-order analytical skills, intellectual curiosity and the ability to work independently in pursuing scholarly research. Applicants should possess the intellectual curiosity and discipline required for original inquiry.

While many accepted students have an MBA or MS in a business-related field, others have a background in other areas, such as engineering, economics, mathematics or physics.

#### Contact Information:

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/finance-degrees/doctoral>

BAC 501

wpcareyfin@asu.edu

480-965-3131

## Business Administration (Management), PHD (BAMGMTPHD)

**Online Degree Search Title:** Management, PhD

**Campus:** Tempe

#### Program Description:

The Department of Management and Entrepreneurship offers students the opportunity to obtain a PhD in business administration with a concentration in management. The doctoral program places primary emphasis on the development of research competence and also emphasizes teaching as a vehicle to academic professionalism. It is not intended for those seeking careers in industry or consulting.

The mission of the program is the development of scholars who are prepared to assume the diverse responsibilities of faculty positions at leading research universities. Although management is a broad field, this doctoral program is best suited for students interested in specializing in organizational behavior, strategic management or organization theory.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

#### Plan of Study

At least 30 credit hours (may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Doctoral students are required to commit full time to the program, at least until they have successfully defended the dissertation proposal. Full-time enrollment entails a minimum of six hours of coursework in any regular academic semester. To reach a total of 84 credit hours for the program, most students enroll for nine to 12 credit hours per semester. In addition, students work closely with faculty members through a research assistantship. The program is relatively small, with an emphasis on high quality; a great deal of individual attention and mentoring is provided to students.

#### Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

#### Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation proposal.

#### Dissertation Requirements



Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as MGT 795 Continuing Registration) during the semester (including summer sessions) in which the student defends the dissertation.

#### Maximum Time Limit

Doctoral students must complete all program requirements within 10 consecutive years.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT scores
- prior academic performance records
- three letters of recommendation
- a personal statement
- employment summary
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Graduate Admission Services admits or denies each applicant and notifies them in writing.

#### Contact Information:

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/management-degrees/doctoral>

BA 323

wpcareymgt@asu.edu

480-965-3431

## Business Administration (Marketing), PHD (BAMARKPHD)

**Online Degree Search Title:** Marketing, PhD

**Campus:** Tempe

#### Program Description:

Each doctoral student receives a comprehensive, broad-based education in marketing concepts and research techniques. Further, students at ASU have the ability to specialize in one of three research domains. Students do not need to declare a specialization during the application process, but if known, applicants can indicate their intended specialized direction of study. It is expected that by the end of their first year students will commit to one of these three domains.

Doctoral students can pursue one of these three research areas:

- Consumer behavior
- Quantitative marketing models
- Service strategy

This program is not intended for people who want to work in industry positions. It is a full-time program only. All students complete a core curriculum yet tailor their work to achieve personal goals. The program is typically completed in five years.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

**Plan of Study**

At least 30 credit hours (may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the doctoral program. A student may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the academic unit's discretion, a student may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

**Comprehensive Examinations**

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

**Candidacy**

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation proposal.

**Dissertation Requirements**

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as MKT 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Students should refer to the Graduate College policies and procedures for detailed information regarding the university's doctoral degree requirements.

**Maximum Time Limit**

Doctoral students must complete all program requirements within 10 consecutive years. Any exception must be approved by the supervisory committee and the dean of the Graduate College.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE scores
- prior academic performance records
- letters of recommendation
- a personal statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between the student's goals and research interests and those of the department. Recommendations for action are then made to Graduate Admission Services, which admits or denies each applicant and notifies them in writing.

**Contact Information:**

Business, W. P. Carey School of  
Business Administration

<https://wpcarey.asu.edu/marketing-degrees/doctoral>

BAC 460

wpcareymkt@asu.edu

## Business Administration (Supply Chain Management), PHD (BASCMPHD)

**Online Degree Search Title:** Supply Chain Management, PhD

**Campus:** Tempe

### Program Description:

Supply chain management incorporates the core areas of logistics management, operations management and supply management. The PhD program in business administration with a concentration in supply chain management is a full-time residential program for students whose career goals are full-time university research and teaching. The curriculum guides students in conducting high-quality research and teaching at the university level.

Students are trained to develop the capability to recognize problems related to supply chain management and frame these problems into research questions which are then addressed in a scholarly way, and they are required to review, analyze, conduct and publish research. They are prepared to do this through a series of doctoral seminars and research methods courses and by participating in active research projects. Students are also required to develop their teaching skills through assignments as teaching assistants or instructors. Teaching assignments typically take place during the last two years of the program.

This program is designed to be completed in four years.

### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral program requires the completion of coursework, the completion of academic papers for submission to journals, a comprehensive exam and a dissertation. The program is generally viewed as a four-year process. Most students will serve in research assistantships for all four years. During the program, students are expected to actively participate in required courses as well as in seminars and presentations from colleagues, department faculty and visiting scholars. Students will also have the opportunity to teach courses during their doctoral program. Teaching assistantships typically will be made available during the last two years of the program. This will allow doctoral degree students to get research projects and manuscripts into the multiyear pipeline typical of accepted research articles. Through areas of excellence, centers and the faculty, the supply chain management program has special opportunities for industry-based research projects.

### Coursework

The program consists of a minimum of 84 credit hours of approved graduate coursework beyond the bachelor's degree. The department requires doctoral students to take 48 credit hours of graduate coursework in residence at ASU during their first two years. The specific classes must be approved by faculty members in the students' areas of excellence. Students are also required to take 12 hours of research and 12 hours of dissertation credit. A maximum of 12 credit hours can be transferred from previous graduate coursework. Moreover, students' plans of study must be approved in advance by their program chair.

### Academic Papers

Students are expected to work on academic papers for submission to journals during their doctoral program. Summer months are intended for manuscript writing for those students who have yet to successfully defend their dissertation proposals. At the end of each summer, all doctoral students are required to have at least one new manuscript ready for submission to a journal for publication. Faculty in the areas of excellence will supervise manuscript planning and writing. The bulk of the writing is done during the summer by the students. Faculty in the students' areas of excellence will evaluate the papers and provide detailed feedback and instructions for rewriting of papers.

### Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

### Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

### Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including a summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College's policies and procedures.

#### Maximum Time Limit

Doctoral students must complete all program requirements within 10 consecutive years.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE scores
- prior academic performance records
- letters of recommendation
- a personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Recommendations for action are then made to Graduate Admission Services, which admits or denies each applicant and notifies them in writing.

#### Contact Information:

Business, W. P. Carey School of  
Business Administration

<https://wpcarey.asu.edu/supply-chain-management-degrees/doctoral>

BA 446

wpcarey.scm@asu.edu

480-965-6044

## Business Analytics, MS (BABUSANMS)

**Online Degree Search Title:** Business Analytics, MS

**Campus:** Tempe, Online

#### Program Description:

Delivered by the highly ranked W. P. Carey Departments of Information Systems and Supply Chain Management, the STEM-designated MS program in business analytics builds on quantitative skills and knowledge needed to advance on the analytics career ladder. The rapid emergence of big data impacts every part of the global economy, making business analytics specialists one of the fastest-growing careers in the economy. Students discover how to derive value from data, lead data-driven analyses and create a business advantage across markets and industries.

Two pathways are available for the master's degree program in business analytics. One pathway is designed for individuals who want to immerse themselves in full-time graduate studies. This program is designed for working professionals seeking to continue working full time while attending school. The other is a nine-month pathway with a lock-step curriculum that consists of quarter-based courses and semester-long courses. The culminating experience delivers real-world experience and develops communication and leadership abilities.

#### Concurrent Degrees:

This degree is also offered as concurrent degree program with W. P. Carey MBA - Full-Time Program

#### Degree Requirements:

30 credit hours including the required applied project courses (SCM 593 and CIS 593).

Required Core (23.5 or 24 credit hours)

CIS 505 Introduction to Enterprise Analytics (3)

CIS 508 Data Mining I (3)

CIS 509 Data Mining II (3)

CIS 515 Business Analytics Strategy (3)

SCM 516 Introduction to Applied Analytics (3) or WPC 501 Understanding Facts: Statistics for Managers (2.5)

SCM 517 Data-Driven Quality Management (3)

SCM 518 Analytical Decision Modeling I (3) or SCM 515 Decision Models for Supply Chain Management (3)

SCM 519 Analytical Decision Modeling II (3)

Restricted Electives (3 or 3.5 credit hours)

Culminating Experience (3 credit hours)

CIS 593 Applied Project (1.5)

SCM 593 Applied Project (1.5)

Additional Curricular Information

Students enrolled in concurrent programs along with the Master of Science in business analytics may need to take an additional elective worth at least .5 credit hour if their core coursework is 23.5 credit hours.

If WPC 501 is taken in lieu of SCM 516, students will need to take an additional .5 credit hour of electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter or recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-business-analytics/>)

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs/business-analytics>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## Economics, PHD (BAECONPHD)

**Online Degree Search Title:** Economics, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in economics provides rigorous training in microeconomic theory, macroeconomic theory, applied economics and econometrics. Additionally, students have the opportunity to select a primary area of specialization for study:

- applied microeconomics
- econometrics
- economic theory
- environmental and resource economics
- financial economics
- macroeconomics

This is a full-time program intended to prepare students for teaching and research positions at four-year institutions of higher education and for research positions in public agencies or private business organizations.

The doctoral program is relatively small in size, with about 45 doctoral students in residence at any time. The low student-faculty ratio affords greater faculty attention and mentoring compared to larger programs. Students are involved in teaching, research and seminar activities, becoming valued members of the department.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

In addition to completing 60 credit hours beyond the bachelor's degree (30 credit hours beyond the master's degree) and 24 credit hours of research and dissertation, the doctoral student must accomplish five tasks:

- meet the qualifying examination requirement
- present at least one area of emphasis
- pass the comprehensive examination (both written and oral components)
- pass the dissertation proposal defense
- complete a dissertation with an oral defense

Students should see the Department of Economics graduate student handbook for details concerning these tasks.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The Department of Economics requires applicants to send official scores from the GRE directly to Graduate Admission Services. Applications are not reviewed until the GRE scores are received.

The admission policy weighs several factors, including letters of reference, overall GPA, GRE scores and performance in selected mathematics and economics courses. There are no absolute standards for any of the factors, but performance on each clearly should suggest academic potential that is far above those of the normal undergraduate student.

Admission guidelines are available on the Graduate Admission Services website. Applicants should see the program website for application deadlines and admission terms.

#### Contact Information:

Business, W. P. Carey School of  
Department of Economics  
<https://wpcarey.asu.edu/economics-degrees/doctoral>  
CPCOM 412  
econ.phd@asu.edu  
480-965-3531

## Finance, MS (BAFINMS)

**Online Degree Search Title:** Finance, MS

**Campus:** Tempe

#### Program Description:

In only nine months, students in the MS program in finance develop deep expertise in corporate finance and asset or portfolio management and are equipped with the tools needed to manage complex financial institutions. Faculty members bring cutting-edge research and decades of real-world experience into the classroom. A lock-step course format allows students to build on concepts throughout the program. A curriculum aligned with CFA Program Candidate Body of Knowledge prepares students to sit for the CFA exams and become a Chartered Financial Analyst®.

Curriculum, schedule and format, faculty and a top-ranked business school: It all adds up to a degree with real value. The W. P. Carey Master of Science in finance delivers the financial qualifications increasingly sought by employers within the corporate finance industry.

#### Concurrent Degrees:

This degree is also offered as concurrent degree program with W. P. Carey MBA - Full-Time Program

#### Degree Requirements:

32 credit hours including a capstone course (FIN 575).

Required Core (26-27 credit hours)

ACC 502 Financial Performance Reporting and Analysis (2.5 or 3)

FIN 502 Finance: The Art of Managing Resources to Create Value (2.5 or 3)

FIN 509 Quantitative Methods in Finance I (3)

FIN 525 Investment Strategies (2.5)

FIN 530 Derivatives (2.5)

FIN 535 Financial Statistics (3)

FIN 545 Advanced Corporate Finance (2.5)

FIN 550 Fixed Income (2.5)

FIN 560 International Finance (2.5)

FIN 565 Risk Management in Banks and Financial Institutions (2.5)

Other Requirement (2.5 credit hours)

FIN 555 Entrepreneurial Finance (2.5) or FIN 591 Topic: Artificial Intelligence and Machine Learning Applications in Finance (2.5)

Electives (0-1 credit hours)

Culminating Experience (2.5 credit hours)

FIN 575 Finance Capstone (2.5)

Additional Curriculum Information

To account for the difference in the numbers of credit hours offered in the core courses, one credit hour of electives may be required.

For other requirements, substitutions may be allowed with approval of the academic unit.

The schedule follows the seven-week quarterly schedule of the MBA program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or masters degree from a regionally accredited institution in business and management, economics, statistics, computer science or other types of science, engineering, technology and mathematics degree areas.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- short answer questions
- current resume
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are two main audiences for the master's degree program: first, recent undergraduates from business, economics or related majors or from programs where quantitative skills have been emphasized; and second, career advancers who have strong quantitative skills and seek to adapt



those skills to be more competitive in the job market. Career advancers must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.

This program is appropriate for students who have completed undergraduate programs with quantitative underpinnings, at either ASU or other universities.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

**Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/masters-programs/finance>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## Global Financial Management, DBA (BAGFMDBA)

**Online Degree Search Title:** Global Financial Management, DBA

**Campus:** Tempe

**Program Description:**

China is globalizing at an astonishing rate. This pace of change is profoundly affecting not only China's domestic situation, but also the global economy. The DBA in global financial management is an applied professional doctorate designed for senior corporate leaders and government officials in China seeking a terminal degree alternative to the traditional PhD intended for those pursuing an academic career. The leaders emerging from this program will transform China's economic structure, its financial markets and shape the future of China's leadership roles in the global economy of the 21st century.

All such initiatives depend on the development of human capital, for it is the catalyst for all. Hence, the Doctor of Business Administration program is designed to sustain and amplify leaders who aspire to affect transformative changes in this exciting and dynamic global environment.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

DBA 702 Global Financial Systems: Markets and Institutions (3)

DBA 703 Global Financial Systems-Institutional Investing (3)

DBA 705 Global Corporate Strategy (3)

DBA 708 Challenges of Corporate Finance and Governance (3)

Electives (21 credit hours)

Research (9 credit hours)

Culminating Experience (12 credit hours)

DBA 799 Dissertation (12)

Additional Curriculum Information

Thirty credit hours from a previously awarded master's degree may be applied to this degree.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned from a regionally accredited college or university of recognized standing a degree in Master of Business Administration, Master of Economics, Master of Finance, Master of Accountancy or a related field of specialization in business.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

#### Additional Application Information

English proficiency requirement is not required.

Official bachelor's and master's degree transcripts should be submitted listing all coursework in both the native language and official English translation.

This degree is offered in China only. All applicants are required to contact the program coordinator before submitting the online graduate admission application.

#### Contact Information:

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/international-programs/china/english/dba/overview>

BA 304C

WPCareydba@asu.edu

480-965-1870

## Global Logistics, MS (BAGLSMS)

**Online Degree Search Title:** Global Logistics, MS

**Campus:** West

#### Program Description:

Classes for the nine-month MS program in global logistics are offered in a full-time, weekday format. The full-time curriculum, with courses offered during the day, provides specialized knowledge and practical perspectives on global operations, logistics and multicultural approaches, thus preparing graduates for a growing career field. Students in this program have access to world-renowned faculty, motivated classmates and personalized career resources.

#### Degree Requirements:

30 credit hours including the required applied project course (SCM 593).

##### Required Core (27 credit hours)

MGT 400 Cross-Cultural Management (3) or MGT 411 Leading Organizations (3)

SCM 502 Operations and Supply Management (3)

SCM 515 Decision Models for Supply Chain Management (3)

SCM 516 Introduction to Applied Analytics (3)

SCM 520 Strategic Procurement (3)

SCM 532 Supply Chain Cost and Design Issues (3)

SCM 541 Logistics in the Supply Chain (3)

SCM 542 Logistics, Globalization and Economic Development (3)

SCM 545 Cases in Global Logistics (3)

##### Culminating Experience (3 credit hours)

SCM 593 Applied Project (3)

#### Additional Curriculum Information

The schedule follows a combination of ASU scheduling options. Three courses will follow schedule C and has a semester-long duration. The other seven courses follow the 7.5-week quarterly schedule of the MBA program. Those courses require some online and extra class time to meet the 40 contact hours standard of The Association to Advance Collegiate Schools of Business.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in

business and management, computer information systems, economics and other types of global studies or similar degree areas.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- essays
- GMAT or GRE test scores
- one letter of recommendation
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are two main audiences for the master's degree program: recent undergraduates from logistics-related majors and career advancers with a background in supply chain management and operations whose skills can be expanded to include a broader global context and exposure to emerging markets. Students must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.

This program is appropriate for applicants who have strong quantitative skills and seek to adapt those skills to be more competitive in the job market.

All applicants must submit either the GMAT or GRE. For more information on GMAT, students should visit <http://www.mba.com> (<http://www.mba.com>). For GRE, they should see [www.ets.org/gre](http://www.ets.org/gre) (<http://www.ets.org/gre>). Applicants should expect to score above 600 on the GMAT to be competitive.

There is no requirement for a foreign language exam for this program.

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs/global-logistics>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## Information Management, MS (BAINFOMS)

**Online Degree Search Title:** Information Management, MS

**Campus:** Tempe

**Program Description:**

The STEM-designated W. P. Carey MS program in information management delivers a cutting-edge curriculum, helping students develop critical leadership skills. The Master of Science in information management is tailored to fit students' schedules.

Through the latest techniques and methodologies, hands-on experience and relevant case studies, students discover how digital innovations, data analytics and information systems are transforming business.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:  
Legal Studies, MLS  
W. P. Carey MBA - Full-Time Program

**Degree Requirements:**

30 credit hours including the required capstone course (CIS 575).

The program requires 30 credit hours of coursework and capstone course CIS 575.

With an innovative curriculum that deepens the synthesis of information, technology and business, the W. P. Carey School of Business master's

degree in information management combines the best of both worlds --- a leading-edge information management education and one of the nation's top-ranked business schools. Students should access the program website for a list of courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- short-answer questions
- two letters of recommendation
- GMAT or GRE test scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants are expected to have two years of full-time related work experience and prerequisite college-level courses or equivalent experience in statistics, brief calculus and a programming language.

Complete application instructions may be obtained from the department's website.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/masters-programs/information-technology>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## Management, MS (BACMRMS)

**Online Degree Search Title:** Management, MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

Arizona State University's MS in management, offered by the W. P. Carey School of Business, is an innovative business degree program providing new liberal arts, science, engineering and other nonbusiness graduates with the intellectual and professional skills needed to succeed in today's business environment. This one-year program is designed to develop critical-thinking skills as applied to fundamental business procedures and processes, as well as leadership skills. It is also designed to bridge the gap between academic preparation and real-world business applications.

Designed for graduates of nonbusiness programs with fewer than two years of work experience, students will have the capability and motivation to rapidly progress in any profession where business plays an important role. The management program differs substantially from a traditional MBA program in that no work experience is required for admission and the coursework is completed in one year, giving a broad overview of the essentials of managerial decision-making.

Three distinct components of the Master of Science program in management prepare students to immediately add value and lead in all types of business environments:

- core business courses that deliver necessary business skills through integrative cases, project-based learning and teamwork
- leadership courses that develop understanding of strategic vision, instituting change, information systems, and the role and importance of sustainability

- a culminating experience that bridges the gap between academic learning and real-world business application

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Legal Studies, MLS

**Degree Requirements:**

36 credit hours including the required applied project course (MGT 593).

## Required Core (28.5 credit hours)

- ACC 501 Basics of Financial Performance Reporting and Analysis (1.5)
- ACC 504 Basics of Internal Measures of Success: Managerial Accounting (1.5)
- ECN 504 Basics of Decisions, Market Structure and Games: Managerial Economics (3)
- FIN 501 Basics of Finance: The Art of Managing Resources to Create Value (3)
- LES 586 Basics of Ethical Issues for Managers (1.5)
- MGT 501 Basics of Leading People, Teams and Organizations: Org Theory (3)
- MGT 528 Basics of Mastering the Art of Influence and Negotiations (3)
- MGT 586 Basics of Sources of Competitive Advantage I (1.5)
- MKT 501 Basics of Create and Deliver Customer Value: Marketing Management (3)
- SCM 501 Basics of Operations and Supply Management (3)
- SCM 587 Project Management (1.5)
- WPC 504 Basics of Understanding Facts: Statistics for Managers (3)

## Other Requirements (3 credit hours)

- MGT 591 Business Communications (1.5)
- WPC 594 Job Search Strategies (1.5)

## Culminating Experience (4.5 credit hours)

- MGT 593 Applied Project Consulting Project Capstone (3) AND
- MGT 593 Applied Project Consulting Project Lab (1.5)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE or GMAT test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs>  
MCRD 350

## Management, MS (BAMCCMS)

**Online Degree Search Title:** Management in China/Corporate, MS

**Campus:** Tempe

### **Program Description:**

The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. The MS custom corporate program in China is designed for participants of a single company in China. Upon successful completion of the program curriculum, a participant will be granted an ASU Master of Science degree in management through the W. P. Carey School of Business.

The curriculum is designed to leverage participants' existing strengths in a chosen management concentration and it provides intensive knowledge on managerial decision-making and strategic formulation. Accordingly, the curriculum is designed with a strong transdisciplinary focus while achieving cycle time efficiency. At the core of the curriculum delivery is emphasis on practical applications with direct business connectivity. A noteworthy feature of the curriculum is its integration of global practices and local market characterizations to enable participants' ability to excel in the modern economy.

The hallmarks of prestigious programs include two key elements: the faculty and the students. No other master of science program in China offers a more impressive list of faculty or students than the W. P. Carey China program. The faculty includes renowned faculty from W. P. Carey School of Business as well as from other prestigious American business schools.

### **Degree Requirements:**

36 credit hours including the required capstone course (MGT 588).

The curriculum consists of 12 courses, concentrating on management. It is a world-class master's degree program with immersion in financial accounting, managerial finance, statistics and economics, marketing management, organizational theory and behavior, human resources management, supply chain management and information technology management.

All students must successfully complete the comprehensive requirement for Master of Science graduates established by the W. P. Carey School of Business and the Graduate College. As a lock-step program, there will be no opportunities for participants to make up missed courses or to substitute courses. Therefore, students must complete all 12 courses before graduation with a grade of "B" or higher (3.00 on a scale of 4.00) for each course to satisfy the comprehensive requirement. A thesis is not required.

### **Admission Requirements:**

The Master of Science custom corporate program in China requires that students be nominated into the program by the company, and it is only delivered in China. Applicants are required to contact the program coordinator before submitting the online graduate admission application.

### **Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/international-programs/china/english>  
MCRD 375DD  
WPCareyMiMChina@asu.edu  
480-965-4203

## Real Estate Development, MREDev (ARREMREDEV)

**Online Degree Search Title:** Real Estate Development, MRED

**Campus:** Tempe

### **Program Description:**

Arizona State University's MRED is one of the leading programs offered through the nationally ranked and recognized W. P. Carey School of Business, in partnership with Sandra Day O'Connor College of Law, the Herberger Institute for Design and the Arts and the Del E. Webb School of Construction. The program offers a true transdisciplinary approach to real estate development education through a full-immersion curriculum that explores the development process in its entirety.

In only nine months, the W. P. Carey Master of Real Estate Development program prepares students to lead real development projects that are environmentally respectful, socially responsible and artfully designed. Small class sizes provide opportunities for peer interaction, and a number of synthesis projects cover the entire spectrum of development, preparing students for roles throughout the industry. Students explore the development process in its entirety and strengthen their management toolkits.

During the one-year program, students learn how to locate, analyze and consider the physical, legal, economic, political and financial conditions impacting the use of property and the critical analysis required for a successful project. Graduates of the program are prepared to undertake mid- and senior-level management responsibility for small to large development and investment companies.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Legal Studies, MLS

**Degree Requirements:**

36 credit hours including the required capstone course (RED 515).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The program is offered in an intense format covering two academic semesters. Students take required core course modules in a variety of formats, including:

- comprehensive module exams to assess aggregate knowledge
- face-to-face classroom instruction
- group work
- independent research
- synthesis projects
- topical quizzes
- weekly assignments

The business school does not accept graduate credits earned while students are in nondegree status or from courses taken prior to admission to the program or taken while enrolled in another program outside the W. P. Carey School of Business.

There is no foreign language requirement.

There is no thesis requirement.

All students must successfully complete the final synthesis project requirement established by the W. P. Carey School of Business and the Graduate College for the Master of Real Estate Development. The comprehensive culminating experience is integrated with RED 515 Capstone Project: Mixed Use Property Development. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the culminating experience requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all coursework completed at institutions other than ASU
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

MCAT or LSAT scores can be accepted in lieu of GMAT or GRE scores.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs/real-estate-development>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## Supply Chain Management, MS (BASCMMMS)

**Online Degree Search Title:** Supply Chain Management, MS

**Campus:** Online

**Program Description:**

The MS program in supply chain management is designed to prepare students for advancement in supply chain management careers across a broad diversity of industries and functions. Students also may pursue careers in management, consulting, business development and supply chain management information technology.

The program provides an understanding of the role the supply chain manager can play in an enterprise supply chain and in the overall strategy. The program exposes students to leading supply chain management operating practices, analysis methods, technology applications and strategy development.

**Degree Requirements:**

Required Core (3 credit hours)

SCM 502 Operations and Supply Management (3)

Electives or Research (24 credit hours)

Culminating Experience (3 credit hours)

SCM 551 Advanced Supply Chain Planning and Control (3)

Additional Curriculum Information

Students choose elective and research coursework from a restricted list. Students should see the academic unit for the approved course list. Other coursework may be use with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W.P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in business, engineering or sciences (such as math or statistics) or related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of recommendation
- letter of intent or written statement



- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/supply-chain-management-ms/>)

#### Contact Information:

Business, W. P. Carey School of  
Department of Supply Chain Management  
<https://wpcarey.asu.edu/masters-programs>  
BA 445  
wpcareymasters@asu.edu  
480-965-3332

## Supply Chain Management (certificate), Certificate (BASCMCERT)

**Online Degree Search Title:** Supply Chain Management (Graduate Certificate)

**Campus:** Online

ASU is not currently accepting applications for this program.

#### Program Description:

The certificate program is composed of supply chain management courses. The content of the courses is tightly integrated and offers a comprehensive coverage of core topics in supply chain management.

The intended audiences for the certificate include working professionals who are graduates of general management undergraduate or graduate business programs who wish to supplement their degrees with focused, graduate-level courses in supply chain management, and they are either relatively new to supply chain management and desire a foundational knowledge of supply chain management complexities as well as a strong understanding of how companies leverage their supply chains to achieve competitive advantage, or they are experienced supply chain management professionals who wish to update their knowledge of current thinking and best practices through interaction with faculty engaged in broad-based research and consulting.

#### Degree Requirements:

15 credit hours including the required capstone course (SCM 532).

Required Core (12 credit hours)

SCM 502 Operations and Supply Management (3)

SCM 520 Strategic Procurement (3)

SCM 521 Supply Management and Negotiation (3)

SCM 541 Logistics in the Supply Chain (3)

Culminating Experience (3 credit hours)

SCM 532 Supply Chain Cost and Design Issues (3)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- evidence of a minimum of two years of full-time work experience
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/executive-education>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## Supply Chain Management and Engineering, MS (BASCMEMS)

**Online Degree Search Title:** Supply Chain Management and Engineering, MS

**Campus:** Online

ASU is not currently accepting applications for this program.

#### Program Description:

The MS in supply chain management and engineering is a two-year, 30 credit hour program for working professionals in supply chain management, industrial engineering or a related field that consists of 15 credit hours of courses from the Department of Supply Chain Management in the W. P. Carey School of Business and 15 credit hours from the industrial engineering program in the School of Computing, Informatics and Decision Systems Engineering in the Ira A. Fulton Schools of Engineering.

Most students will have an undergraduate degree in a technical field, such as business, engineering or science. The objective is twofold: to provide students with knowledge of the fundamental foundations across the full spectrum of supply chain management functions and to provide them with the ability to use state-of-the-art engineering tools to analyze, control and optimize modern supply chains.

#### Degree Requirements:

30 credit hours including the required applied project course (SCM 593).

Required Core (27 credit hours)

Culminating Experience (3 credit hours)

SCM 593 Applied Project (3)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- GMAT or GRE test scores
- personal statement
- one letter of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

professionals (or in closely related fields). Applicants must be highly motivated and have strong intellectual capabilities. The admission committee looks for outstanding academic credentials, character qualities such as maturity, integrity and leadership, and diversity in perspectives and experiences.

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## Taxation, MTax (BATAMTAX)

**Online Degree Search Title:** Taxation, MTax

**Campus:** Tempe

**Program Description:**

The nine-month MTax program is delivered by the W. P. Carey School of Accountancy and is highly ranked by the Public Accounting Report. The cutting-edge curriculum is structured to provide students with an in-depth working knowledge of the highly technical and demanding skills required to provide tax and business advice in the private and public sectors. Esteemed faculty experts bring real-world experience into each class, giving the degree even more long-term value.

The Master of Taxation program is designed for individuals who want to immerse themselves in full-time graduate studies, take classes during the day and fulfill course requirements for the CPA exam in Arizona and in California. Because of the quality of the Master of Taxation program, students gain the skills and knowledge needed to launch their careers, while opening the door to top hiring firms.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

- Legal Studies, MLS
- W. P. Carey MBA - Full-Time Program

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Accountancy, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required capstone course (ACC 589).

The Master of Taxation program is a nine-month, full-time, lock-step program that offers classes during the day and is completed in one academic year. Applicants must complete program prerequisites prior to admission to the program. Students should refer to the W. P. Carey graduate programs website for a current listing of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- current resume

- answers to short-answer questions
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

In addition to the ASU graduate admission application, applicants also must submit all supplemental application materials required by the W. P. Carey Graduate Programs Office. Complete application instructions may be obtained from the department's website.

#### Contact Information:

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs/taxation>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

### W. P. Carey MBA, MBA (BACORPMBA)

**Online Degree Search Title:** W. P. Carey MBA - Custom Corporate Program

**Campus:** Tempe

#### Program Description:

The custom corporate MBA program is designed for participants from a single company. Participants are nominated to attend the program by their company and receive a solid core curriculum with optional specializations. The custom corporate Master of Business Administration program offers flexible part-time delivery modes using online, in-person and blended courses. Possible features that can be incorporated into the custom programs are company-specific applied projects, guest teaching from corporate leaders and intensive residential sessions.

#### Degree Requirements:

48 credit hours including the required capstone course (MGT 589).

The custom corporate MBA program requires that students be nominated into the program by the sponsoring company.

#### Admission Requirements:

Applicants must submit the graduate admission application, meet the Graduate College admission requirements, and meet the guidelines established by the custom corporate Master of Business Administration program.

#### Contact Information:

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/mba-programs/custom-corporate>  
MCRD 460  
wpcarey.execed@asu.edu  
480-965-7579

### W. P. Carey MBA, MBA (BAEVEAMBA)

**Online Degree Search Title:** W. P. Carey MBA - Weekend Program

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The purpose of the W. P. Carey MBA program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a case-based, team-oriented and discussion learning environment. Elective courses provide additional depth and breadth to enhance an area of emphasis, students' knowledge base and career goals. The weekend Master of Business Administration program is designed for working professionals seeking to continue working full-time while attending school. The program starts each January and is completed in 19 months.

The Master of Business Administration program is supported by each of the eight academic units within the W. P. Carey School of Business.

**Degree Requirements:**

36 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)

LES 582 Ethical Issues for Managers (1.5)

Electives and research (31.5 credit hours)

Culminating experience (3 credit hours)

Capstone: MGT 589 Strategic Management (3)

**Additional Curriculum Information**

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge and skills. Elective courses build upon the business core and center on the further development of an optional area of emphasis. There may be additional requirements that vary by area of emphasis.

All students must successfully complete the comprehensive exam requirement established by the school of business and the Graduate College for the Master of Business Administration. The comprehensive exam is integrated with the MGT 589 Strategic Management capstone course culminating experience. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- essays
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Applicants should see the department's website for more information.

**Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/mba-programs>

MCRD 350

## W. P. Carey MBA, MBA (BAEVENMBA)

**Online Degree Search Title:** W. P. Carey MBA - Professional Flex Program

**Campus:** Tempe

### Program Description:

The W. P. Carey School of Business MBA program provides a solid foundation and knowledge base in the core business disciplines; students develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. Through a comprehensive business curriculum taught by world-renowned faculty, the W. P. Carey professional flex Master of Business Administration expands students' leadership skills and helps them immediately impact their organizations.

Classes held two evenings a week and iCourses or on-campus electives make the W. P. Carey professional flex Master of Business Administration flexible for students' busy lives. With a variety of electives and concurrent degree programs through partnership with other highly ranked ASU schools, students receive the competitive edge needed to reach their career goals. The curriculum is delivered in a case-based, team-oriented and discussion learning environment. Elective courses provide additional depth and breadth, to enhance an area of emphasis, students' knowledge base and career goals.

The professional flex Master of Business Administration is designed for working professionals seeking to continue working full time while attending school. The program starts in August and is completed in 21 months.

The Master of Business Administration program is supported by each of the eight academic units within the W. P. Carey School of Business.

### Concurrent Degrees:

This degree is also offered as concurrent degree program with Legal Studies, MLS

### Degree Requirements:

48 credit hours including the required capstone course (MGT 589).

Required Core (3 credit hours)

LES 582 Ethical Issues for Managers (3)

Electives (42 credit hours)

Culminating Experience (3 credit hours)

Capstone: MGT 589 Sources of Competitive Advantage II (3)

### Additional Curriculum Information

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an area of emphasis. There may be additional requirements that vary by area of emphasis. The program is completed in 21 months.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Sources of Competitive Advantage II. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Applicants should see the department's website for more information.

**Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/mba-programs/part-time>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## W. P. Carey MBA, MBA (BAEXECMBA)

**Online Degree Search Title:** W. P. Carey MBA - Executive Program

**Campus:** Tempe

**Program Description:**

Designed for executives with 10 to 15 years of experience, the Executive MBA is ranked No. 12 in the world by The Economist. The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business disciplines and to develop analytic capabilities and decision-making and leadership skill sets to effectively integrate decisions into the business environment.

Classes meet twice monthly on Fridays and Saturdays at ASU's Tempe campus, convenient for travel from within Arizona and surrounding states. A summer experience in Washington, D.C. and an international practicum help students see the world of business in a new way.

The executive Master of Business Administration is completed in 21 months and is supported by each of the eight academic units within the W. P. Carey School of Business.

**Degree Requirements:**

48 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)

LES 582 Ethical Issues for Managers (1.5)

Electives and Research (43.5 credit hours)

Culminating Experience (3 credit hours)

Capstone: MGT 589 Sources of Competitive Advantage II (3)

Additional Curricular Information

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside of the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a

graduate degree program and have the approval of the MBA program office.

The executive curriculum must be taken in the prescribed sequence and is augmented by a series of lectures on thought leadership and off-site learning programs, including a business and public policy course in Washington, D.C. An additional off-site course exploring issues and strategies in the global business environment is held in partnership with an international business school. The program is completed in 21 months.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Sources of Competitive Advantage II. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- two letters of recommendation
- answers to short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, will be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/mba-programs/executive>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## **W. P. Carey MBA, MBA (BAFULLMBA)**

**Online Degree Search Title:** W. P. Carey MBA - Full-Time Program

**Campus:** Tempe

**Program Description:**

Powered by the Forward Focus curriculum, the W. P. Carey full-time MBA program prepares students to be adaptable in the face of uncertainty and ambiguity in a rapidly changing global economy. Highly ranked by U.S. News & World Report, the W. P. Carey full-time Master of Business Administration prepares students for immediate success through a cutting-edge curriculum, dedicated career services and a supportive community. The new curriculum of the full-time program rises to meet the rapid changes and new realities in business.

By rethinking the way the world does business, the W. P. Carey School of Business is rethinking the way it is taught. Success in the future can't rely solely on where we've been --- the road ahead needs a forward focus. The full-time Master of Business Administration is designed for individuals who want to immerse themselves in full-time graduate studies and take classes during the day. Small class size in the program supports individual learning, promotes student-faculty interaction and encourages personal and professional development.

The Master of Business Administration curriculum is rooted in transformation of both the students and business as we know it. As the world continues to evolve faster and unpredictably, students need an MBA program that can prepare them to lead through uncertainty.



The Master of Business Administration program is supported by each of the eight academic units within the W. P. Carey School of Business.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

- Accountancy, MACC
- Architecture, MArch
- Business Analytics, MS
- Finance, MS
- Information Management, MS
- Juris Doctor, JD
- Legal Studies, MLS
- Taxation, MTax

**Degree Requirements:**

60 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)

LES 582 Ethical Issues for Managers (1.5)

Electives (55.5 credit hours)

Culminating Experience (3 credit hours)

Capstone: MGT 589 Sources of Competitive Advantage I (3)

Additional Curricular Information

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability as well as effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside of the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge. Elective or specialization courses build upon the business core and center on the further development of a specialization. There may be additional requirements that vary by specialization. The program is typically completed in two years, with a required internship in the summer between the first and second year of study.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with capstone course MGT 589 Sources of Competitive Advantage II. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, must be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/mba-programs/full-time>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## W. P. Carey MBA, MBA (BAONLINMBA)

**Online Degree Search Title:** W. P. Carey MBA - Online Program

**Campus:** Online

**Program Description:**

The W. P. Carey School of Business MBA program provides a solid foundation and knowledge base in the core business disciplines so students develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. Highly ranked by U.S. News & World Report (<https://wpcarey.asu.edu/about/rankings>) and accredited by the Association to Advance Collegiate Schools of Business (<https://wpcarey.asu.edu/about/accreditation>), the online Master of Business Administration program delivers the same course content taught by faculty members of the full-time and evening Master of Business Administration programs, and students earn the same highly ranked degree.

The curriculum is delivered in a case-based, team-oriented learning environment. Elective courses provide additional depth and breadth to enhance students' knowledge base and career goals. The online Master of Business Administration is designed for working professionals seeking to continue working full-time while attending school. The program starts in January and August and is completed in 21 months. With two courses at a time and flexible elective and concurrent degree options, the W. P. Carey online MBA allows students to focus on their studies while managing careers and lives.

The Master of Business Administration program is supported by each of the eight academic units within the W. P. Carey School of Business.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

Electrical Engineering, MSE

Industrial Engineering, MS

**Degree Requirements:**

48 credit hours including the required capstone course (MGT 589).

Required Core (3 credit hours)

LES 582 Ethical Issues for Managers (3)

Electives (42 credit hours)

Culminating Experience (3 credit hours)

Capstone: MGT 589 Sources of Competitive Advantage II (3)

**Additional Curriculum Information**

All students must successfully complete the comprehensive requirement for the MBA established by the school of business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Sources of Competitive Advantage II. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills. To be successful in an online learning environment, students must also have computer proficiency and expertise in using spreadsheet, word processing and presentation software packages, email and an Internet browser.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey

School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge and skills. Elective courses build upon the business core and center on the further development of an area of emphasis. The program is typically completed in less than two years.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program

Applicants should see the department's website for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-business-administration/>)

**Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/mba-programs/online>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## **W. P. Carey MBA, MBA (BASHANGMBA)**

**Online Degree Search Title:** W. P. Carey MBA - Shanghai Program

**Campus:** Tempe

**Program Description:**

The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. In 2003, the executive MBA program launched in Shanghai, China. The program is delivered in collaboration with Shanghai National Accounting Institute, an entity under the governance of China's Ministry of Finance.

The business leaders emerging from this program will shape U.S.-Sino trade relationships during China's continued global expansion. This academic program is the cornerstone of a number of new offerings that include knowledge transfer and access to the highest level of decision-makers in China.

This degree program is only offered in China.

**Degree Requirements:**

48 credit hours including the required capstone course (MGT 589).

The curriculum is based on the integration of core management principles, with an immersion in accounting, finance, information management, supply chain management, service marketing, customer relation management and management of services innovation. At the core of the curriculum delivery is emphasis on the practical applications with direct business connectivity. The school prides itself on the curriculum's integration of global practices and local market characterizations, to enable participants' ability to excel in the modern economy.

In addition, the curriculum is designed with a strong transdisciplinary focus while achieving cycle-time efficiency. Each course is delivered in an intensive manner over two consecutive weekends, with four full days of face-to-face instruction supplemented by online instruction materials to enable learning interactions between faculty and participants.

All students must successfully complete the comprehensive requirement for the MBA established by the school of business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00 on a scale of 4.00) or higher satisfy the comprehensive examination requirement. A thesis is not required.

**Admission Requirements:**

This degree program is only offered in China. All applicants are required to contact the program coordinator before submitting the online graduate admission application.

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/international-programs/china/english/emba/overview>  
BA 323D  
chinaemba@asu.edu  
480-965-1422

## Design & the Arts, Herberger Institute for

### Architecture, MArch (ARARCMARCH)

**Online Degree Search Title:** Architecture, MArch

**Campus:** Tempe

**Program Description:**

The MArch is an accredited professional degree program at ASU. There are two programs of study available. The 2-year program is for applicants who have completed the 4-year BSD in architectural studies at ASU or an equivalent degree from another school that offers an accredited professional degree in architecture. The 3-plus-year program for applicants with an undergraduate degree in a discipline or field other than architecture.

Both programs promote broad areas of knowledge, professional skill and a social awareness that the architect must command if architecture is to enhance contemporary life and remain an enduring and valid expression of society.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with W. P. Carey MBA - Full-Time Program

**Degree Requirements:**

56 credit hours including the required capstone course (ADE 593 or ADE 622), or 78 credit hours including the required capstone course (ADE 593 or ADE 622).

Required Core (30 credit hours)

- ADE 521 Advanced Architectural Studio I (5)
- ADE 522 Advanced Architectural Studio II (5)
- ADE 621 Advanced Architectural Studio III (5)
- APH 505 Foundation Theory Seminar (3)
- APH 515 Current Issues and Topics (3)
- ATE 553 Architectural Technology IV (3)
- ATE 556 Architectural Technology V (3)
- ATE 563 Architectural Technology VI (3)

Electives (9 credit hours)

Other Requirements (12 credit hours)  
ARP 584 Internship (1)  
ARP 584 Internship (2)  
ATE 598 Topic: Green Building Practices (3)  
DSC 598 Topic: Principles of Collaboration in Design (3)  
DSC 598 Topic: Practice Management (3)

Culminating Experience (5 credit hours)  
ADE 593 Applied Project (5) or  
ADE 622 Advanced Architectural Studio IV (5)

Additional Curriculum Information

For electives, students should see the academic unit for an approved design professional elective list.

For the other requirement coursework, other courses not listed may be used with approval of the academic unit.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of three references submitted via SlideRoom (<https://asudesign.slideroom.com>)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The portfolio, letter of intent and references are required by the Design School in addition to the Graduate College application requirements.

Applicants are encouraged to report GRE scores, especially if the applicant's background is broad or other than a traditional design major, but it is not required.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. If a student is assigned any deficiency coursework by the academic unit upon admission, those courses must be completed with a grade of "B" (3.00 on a 4.00 scale) or higher before completing the graduate program's required coursework. For a Master of Architecture student assigned deficiencies, there are two pathways: the 3-year plus pathway with up to 42 credit hours which begins in the summer, and the 2-year plus pathway with up to 15 credit hours which begins in the spring. Deficiency courses may include:

ADE 510 Foundation Architectural Studio  
ADE 511 Core Architectural Studio I  
ADE 512 Core Architectural Studio II  
ALA 235 Introduction to Computer Modeling  
APH 313 History of Architecture I  
APH 314 History of Architecture II  
APH 509 Foundation Seminar  
ATE 361 Architectural Technology I  
ATE 362 Architectural Technology II  
ATE 452 Architectural Technology III

Admission requirements to the 2-year pathway: applicants must have completed a 4-year Bachelor of Science degree with a major in architectural studies or a similar preprofessional degree in architecture. The undergraduate degree must be granted by an institution that is recognized by ASU and offers a National Architectural Accreditation Board-accredited degree program in architecture.

Admission requirements to the 3-year plus pathway: applicants must have earned a minimum of a bachelor's degree (or equivalent) in a field other than architectural studies.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Art, MFA (HIARTMFA)

**Online Degree Search Title:** Art, MFA

**Campus:** Tempe

**Program Description:**

The MFA in art, offered by the School of Art, provides a stimulating and challenging program for artistic and intellectual growth. Faculty in the School of Art are distinguished artists and scholars who encourage innovation, critical practice and independence. This program provides students with unparalleled opportunities to develop conceptual approaches and technical expertise in a range of media including ceramics, drawing, fiber, intermedia, metals, painting, photography, printmaking and book arts, sculpture, and woods. Prospective students select an area of focus for their practice but may also develop interdisciplinary expertise in and beyond the School of Art.

Students make and exhibit work in the newly constructed Grant Street Studios (<https://art.asu.edu/venues-and-facilities/grant-street-studios> ([https://art.asu.edu/venues-and-facilities/grant-street-studios" style="color:rgb\(149, 79, 114\);](https://art.asu.edu/venues-and-facilities/grant-street-studios))), which offers sixty individual studios, two galleries and enhanced facilities including a common wood shop, computer lab and 3D print lab. Located in downtown Phoenix, Grant Street Studios also provides access to the city's vibrant community of museums, galleries, businesses and cultural organizations. The Visiting Artist and Scholar Lecture Series is another vital opportunity for students to learn from and connect with regional, national and international colleagues.

**Degree Requirements:**

60 credit hours and an oral comprehensive exam (defense of MFA exhibition).

The 60 hours of graduate credit are subject to committee approval and must include:

- ART 680 Practicum, resulting in an MFA exhibition (10-15 credit hours)
- graduate studio (18-27 credit hours)
- graduate-level academic coursework (at least 6 credit hours)
- graduate-level ART seminars (9-18 credit hours)
- required courses in contemporary art theory (3) and cross-practice critique (3) (6 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- portfolio
- statement of intent
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Admission is a two-step process. Although applicants fill out one application through the online graduate application process, they must be admitted into both the MFA program and to the Graduate College.

The portfolio should be 20 images, sized with a maximum dimension of 1024 pixels; video files less than 60MB each; and accompanied by an image list and the statement of intent (not exceeding 1,000 words) that addresses the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular as well as professional goals.

The three letters of recommendation should be from faculty members with whom the applicant has studied or from recognized professionals in the field. All the instructions for letters of recommendation must be followed when submitting them with the application to the Graduate College.

The method for submitting the resume or vitae, portfolio, statement of intent and letters of recommendation is online via SLIDEROOM: <https://asuherberger.slideroom.com>. (<https://asuherberger.slideroom.com>) Applicants may upload images (.jpg), video (.mov, .wmv, .flv), music (mp3) or PDF documents.

Applicants should see the program website for application deadlines.

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/art-mfa-mfa>  
ART 102  
soagrad@asu.edu  
480-965-8521

## Art (Art Education), MA (FAARTEDMA)

**Online Degree Search Title:** Art Education, MA

**Campus:** Tempe

#### Program Description:

Students in the MA program in art with a concentration in art education investigate issues in art teaching and learning from multiple perspectives, including art inquiry, curriculum theory, spatial design, studio practice, visual culture, social intervention, human development and cultural context. The culminating experience may be conducted in a range of contexts where art learning takes place, such as in K-12 art classrooms, art centers and museums, public settings, university studios or in a teacher's own classroom.

#### Degree Requirements:

30 credit hours, a thesis and a written comprehensive exam (qualifying research proposal).

##### Required Core (18 credit hours)

ARE 510 Visual Culture Research (3)  
ARE 520 Issues in Teaching Inquiry in Art (3)  
ARE 525 Research on Art Instruction (3)  
ARE 530 Issues in Teaching Studio Art (3)  
ARE 535 Research on Teaching Studio Art (3)  
ARE 540 Teaching Art in Cultural Contexts (3)

##### Other Requirements (6 credit hours)

special topics on research related to integrating the teaching of studio art, art history and criticism or aesthetics (6)

##### Culminating Experience (6 credit hours)

thesis (6)

#### Additional Curriculum Information

Before the end of the first semester of coursework (six or more credit hours), a plan of study must be submitted to the Graduate College. Additional program requirements are indicated in the guidelines for the master's degree in art education.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants should submit:

- graduate admission application and application fee
- official transcripts
- a formal art education research paper for review
- resume
- statement of intent
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

An applicant must have a bachelor's degree from a regionally accredited college or university with a major of no fewer than 45 credit hours of art, including 12 credit hours of art history and six credit hours of art education. Additional hours may be required by the school.

An applicant must have a GPA of at least 3.00 ("B") in undergraduate coursework during the junior and senior years. Applicants who do not meet these requirements must submit scores from the MAT or the GRE.

The resume should demonstrate how professional experience will help the student succeed in this program.

Applicants should see the program website for application deadlines.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/art-education>  
ART 102  
soagrad@asu.edu  
480-965-8521

## Art (Art History), MA (FAARTHISMA)

**Online Degree Search Title:** Art History, MA

**Campus:** Tempe

**Program Description:**

The MA in art with a concentration in art history is a comprehensive degree program designed to train students to engage with visuality in multiple ways. It offers a diverse curriculum intended to foster critical understanding of aesthetics, production, patronage and consumption of art. Nine internationally recognized faculty members offer classes across many cultures, time periods and geographies, using multiple approaches and methodologies. The program stresses intersections between disciplines, borders, margins, points of mediation and technological developments throughout history. The graduate curriculum offers focused study in the areas of images and digital technologies, art in social and political contexts, and histories and theories of visual culture.

**Degree Requirements:**

30 credit hours, a thesis and a foreign language exam.

Required Core (3 credit hours)

ARS 501 Methodologies and Art History (3)

Focus Area Coursework (12 credit hours)

Seminars (12)

Electives (6 credit hours)

Research (3 credit hours)

ARS 592 Research (3)



Culminating Experience (6 credit hours)  
ARS 599 Thesis (6)

#### Additional Curriculum Information

This program must include a minimum of 24 hours in art history, with at least 12 of these earned in 500-level seminars.

Four courses in the areas shown below are required, with two of these courses outside the geographical area of specialization:

Ancient  
Africa  
Asia  
Baroque  
Contemporary (inc. Photo)  
Latin America  
Medieval  
Modern  
Native American Indian  
Oceania  
Pre-Columbian  
Renaissance

For elective coursework, students may choose to take either 500-level courses in art history or related areas, such as in anthropology, history, museum studies, religion, or up to six hours of the following omnibus courses:

ARS 584 Internship  
ARS 590 Reading and Conference  
ARS 592 Research

Students must have reading knowledge of one research language in addition to English. The selected language needs to be appropriate for the area of research concentration and must be approved by the faculty mentor. This requirement can be met by taking a language for reading knowledge course in the School of International Letters and Cultures with a grade of B or better or by passing the Graduate Foreign Language Examination offered by SILC, which requires a fee.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. In addition, applicants must have an undergraduate major or minor in art history or at least four upper-division art history courses in which a GPA of 3.00 or higher was maintained.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation.
- one formal research paper for review
- one-page statement of intent indicating the objectives for graduate study
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines and admission terms.

#### **Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art

<https://art.asu.edu/degree-programs/art-history-museum-studies>

ART 102  
soagrad@asu.edu  
480-965-8521

## Art (Digital Technology), MFA (FADIGITMFA)

**Online Degree Search Title:** Art (Digital Technology), MFA

**Campus:** Tempe

### Program Description:

The MFA in art with a concentration in digital technology combines technological and artistic goals and is designed for students with skills and experience in both realms.

Applicants will be required to demonstrate accomplishments in art and technology, particularly in having developed new digital technology for the arts. Coursework will be required in both the School of Art and the School of Arts, Media and Engineering. The School of Art offers graduate-level courses in digital audio, video, photography, printing, compositing, interactive sculpture and rapid prototyping. Graduate courses offered by the School of Arts, Media and Engineering focus on topics such as interactive media methodology and theory, sensing and understanding activity, perception and cognition for artists and designers, advanced programming, interaction design for media installations, and digital and physical fabrication.

The program is offered by the School of Art in collaboration with the School of Arts, Media and Engineering.

### Degree Requirements:

60 credit hours and an oral comprehensive exam.

Graduate credit is subject to committee approval and includes:

36 graduate studio credit hours in the major areas of concentration of which 18 credit hours are ART studio classes and 18 credit hours are graduate-level courses in the School of Arts, Media and Engineering  
six credit hours of ART 621 Seminar  
six credit hours of graduate-level art history  
six credit hours of ART 680 Practicum and six credit hours of AME 593 Applied Project, leading either to a final exhibition or an applied project

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- an art and digital technology resume
- current resume or curriculum vitae
- portfolio
- statement of intent
- statement and evidence of work demonstrating digital technology skills beyond end user applications
- three letters of recommendation
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Admission is a two-step process. Although applicants fill out one application through the online graduate application process, they must be admitted into the Master of Fine Arts program and to the Graduate College.

The portfolio must be of 20 images sized with maximum dimension of 1024 pixels; video files of less than 60 MB each; and an image list that accompanies the portfolio. The method for submission for the portfolio is online via SLIDEROOM: <https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>). Applicants may upload images (.jpg), video (.mov, .wmv, .fly), music (.mp3) or PDF documents.

The statement of intent should not exceed 1,000 words and should address the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular, and the applicant's professional goals.

The letters of recommendation should be from faculty members with whom the applicant has studied or from recognized professionals in the field. All instructions for the letters of recommendation must be followed when submitting the application to the Graduate College.

Applicants should see the program website for application deadlines.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu>  
ART 102  
[soagrad@asu.edu](mailto:soagrad@asu.edu)  
480-965-8521

## Built Environment (Energy Performance and Climate Responsive Architecture), MS (ARENERGYMS)

**Online Degree Search Title:** Architecture (Energy Perf/Climate Responsive Arch), MS

**Campus:** Tempe

This program's name has changed effective Fall 2019. The previous name was Built Environment (Energy Performance and Climate Responsive Architecture).

**Program Description:**

The MS in architecture with a concentration in energy performance and climate-responsive architecture educates students to become experts in energy-efficient building design and energy technology. Courses in this concentration establish a basic core of knowledge of the principles of the natural energies available at the building boundary due to climate and site; thermal and optic behavior of building materials and components; passive and low-energy architectural systems for heating, cooling and lighting; and appropriate integration with mechanical systems. Additional courses are available to support advanced study and research in a variety of related specialties.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (ATE 593).

Required Core (21 credit hours)

Electives (3-6 credit hours)

Culminating Experience (3-6 credit hours)

ATE 593 Applied Project (3)

ATE 599 Thesis (6)

**Additional Curriculum Information**

The applied project option consists of six credit hours of electives and three credit hours of ATE 593. The thesis option consists of three credit hours of electives and six credit hours of ATE 599.

Students should see the academic unit for an approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in one of the professions or fields of study outlined below:

- a five- or six-year National Architectural Accrediting Board-accredited professional degree in architecture (BArch or MArch)\*
- a four-year Bachelor of Science in landscape architecture or a master's degree in landscape architecture which must be granted by an institution that offers the Landscape Architectural Accreditation Board-accredited degree program in landscape architecture
- an engineering degree (BS or MS) with a background in building sustainability issues\*\*
- a science degree (BS or MS) with a background in building sustainability issues

\*Applicants should refer to the NAAB website for more information about the BArch or MArch.

\*\*Mechanical and civil engineering and construction majors are particularly suited for application to the BS or MS program in engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official copy of GRE scores
- portfolio; or, a writing sample from applicants who have a science background
- statement of intent
- contact information for three references
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Unofficial copies of GRE scores will not be accepted. More information is available at the GRE website or at <https://uoeee.asu.edu/testing> (<https://uoeee.asu.edu/testing>).

The portfolio or writing sample, statement of intent, and contact information for three references must be submitted via Slideroom (<https://asudesign.slideroom.com> (<https://asudesign.slideroom.com>)).

Admission to the program is selective. Admission to the program cannot be deferred. Students must enroll in the semester for which they are admitted; otherwise, they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting The Design School.

Applicants should see the program website for application deadlines and admission terms.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Composition, MM (FAMCOMPMM)

**Online Degree Search Title:** Music Composition, MM

**Campus:** Tempe

**Program Description:**

The MM program in composition focuses on the development of skills necessary to pursue a career in music composition. Student composers learn through experiential opportunities, including composing for instrumental and vocal colleagues in a variety of genres, leading to performances of their works in venues on campus and off. Project-based experiences including working with the Visiting Quartet Residency program, creating new works for student string quartets while coaching this repertoire with guest artists. Collaboration with music scholars, theorists, performers, educators and other composers under the guidance of renowned composition faculty provide students with a broad and well-rounded foundation for advanced careers in music.

**Degree Requirements:**

32 credit hours, a thesis and a written comprehensive exam.

The credit hour requirements for the degree are distributed as follows:

composition (9 credit hours)  
electives (8 credit hours)

music theory and music history (9 credit hours)  
thesis (6 credit hours)

The thesis is an original composition that demonstrates mastery of composing for the selected performance medium and the coherent organization of musical material.

#### Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information about degree requirements for all graduate music programs may be found on the check sheets.  
<https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- School of Music application (including a resume and personal statement): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- prescreening portfolio
- three letters of recommendation
- proof of English proficiency: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students must have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or the equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture  
MHL 341 Music History I  
MHL 342 Music History II  
MTC 125 Basic Music Theory  
MTC 221 Music Theory: 18th Century  
MTC 222 Music Theory: 19th Century  
MTC 223 Music Theory: 20th Century

Applicants should see the program website for application deadlines. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency) and review of prescreening materials, an applicant may be invited for an interview. Information on the interview may be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/composition-theory>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Composition (Interdisciplinary Digital Media and Performance), MM (FADIGITMM)

**Online Degree Search Title:** Music (Interdisciplinary Digital Media), MM

**Campus:** Tempe

This program's name has changed effective Fall 2019. the previous name was Composition (Interdisciplinary Digital Media and Performance).

**Program Description:**

The MM program in composition with a concentration in interdisciplinary digital media is designed for students who have interests and skills in unique cross sections of the arts and sciences.

The degree program expands the School of Music offerings to include areas beyond typical music coursework, allowing for expanded opportunities for personal growth. It also allows the School of Music and its students to be actively involved in current developments in the ever-changing field of media.

The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are invaluable assets to music students, with resources that complement existing and future courses in electronic music.

**Degree Requirements:**

32 credit hours, a thesis and a written comprehensive exam, or 32 credit hours, a thesis, a written comprehensive exam and an oral comprehensive exam.

Required Core (6 credit hours)

MTC 523 Advanced Composition (6)

Concentration (18 credit hours)

Arts, Media and Engineering coursework (9)

Music Theory and Music History (9)

Electives (2 credit hours)

Culminating Experience (6 credit hours)

AME or MTC 599 Thesis (6)

Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs may be found on the check sheets. <https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country and officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume and personal statement): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- prescreening portfolio: <https://music.asu.edu/admissions/graduate-recordings-portfolios> (<https://music.asu.edu/admissions/graduate-recordings-portfolios>)
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The

School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should

have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or their equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture

MHL 341 Music History I

MHL 342 Music History II

MTC 125 Basic Music Theory

MTC 221 Music Theory: 18th Century

MTC 222 Music Theory: 19th Century

MTC 223 Music Theory: 20th Century

Students should see the program website for application deadlines. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency requirements) and review of prescreening materials, an applicant may be invited for a live interview. Information about the interview may be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

**Contact Information:**

Design & the Arts, Herberger Institute for

School of Music

<https://music.asu.edu/degree-programs/composition-theory>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## Creative Enterprise and Cultural Leadership, MA (HICECLMA)

**Online Degree Search Title:** Creative Enterprise and Cultural Leadership, MA

**Campus:** Downtown Phoenix, Tempe

**Program Description:**

The MA program in creative enterprise and cultural leadership empowers students to advance innovation in the cultural sector, support creative work and careers, and design public and private enterprises that will strengthen arts and design in the future. The program prepares graduates to understand the complex economic, legal, political and social context that surrounds any innovation or enterprise. Students are exposed to design thinking pedagogy as they increase their capacity for interpersonal communication, public communication, opportunity recognition, network and systems thinking, problem recognition and creativity. Students also demonstrate ability in cultural leadership and knowledge of the creative industries, distribution of creative products, the creative process and management of innovation in the creative industries.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Art (Art History), BA

Art (Museum Studies), BA

Arts (BA in the Arts), BA

Digital Culture, BA

Environmental Design, BS

Film (Film and Media Production), BA

Film (Filmmaking Practices), BA

Music, BA

Theatre, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

31 credit hours including a written comprehensive exam, oral comprehensive exam, and the applied project course (HDA 593).

Required Core (15 credit hours)

GRA 501 Creative Environment and Collaborative Leadership (3)

HDA 511 Leadership in the Creative Industries (1)

HDA 512 Strategy: Problem Identification and Opportunity Recognition in the Creative Industries (2)

HDA 513 Creativity and Design Thinking (3)

HDA 521 Arts, Culture and the Economy (3)

HDA 522 Media Literacy and Distribution (3)

Electives or Research (9 credit hours)

creative enterprise development elective (3)

leadership elective (3)

other approved elective (3)

Other Requirements (1 credit hour)

HDA 583 Fieldwork (1)

Culminating Experience (6 credit hours)

HDA 593 Applied Project (6)

Additional Curricular Information

Note that electives are approved in consultation with either the student's committee or the program director.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in an arts, design, business, public policy or related discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- letter of intent
- professional resume
- example of academic or professional work
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter of intent must outline the applicant's reasons for choosing to pursue a Master of Arts in creative enterprise and cultural leadership and outline how their unique background and abilities make them a suitable candidate.

Applicants are required to submit an example of academic or professional work that demonstrates ability and potential to be successful in the program within a maximum of 30 pages. Following are examples of appropriate submissions:

- critical essay from previous academic work
- critical essay for professional audiences
- business plan for a new or existing enterprise
- material produced for professional creative practice
- curatorial materials
- marketing materials designed or written by applicant
- other professional or technical writing relevant to the creative industries

An online interview is required for applicants who reach the finalist stage of consideration for admission. The interview will be conducted via Skype within three weeks of submitting an application.

### **Contact Information:**

Design & the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

<https://herbergerinstitute.asu.edu/research-and-initiatives/enterprise-and-entrepreneurship-programs/curb-enterprise-leadership/master-of-arts>

GHALL 155



## Dance, MFA (FADANCEMFA)

**Online Degree Search Title:** Dance, MFA

**Campus:** Tempe

### **Program Description:**

The MFA in dance enriches students' creative and embodied practices through an integrated curriculum, connecting intuitive, kinesthetic and intellectual experiences.

The School of Film, Dance and Theatre seeks individuals who are self-motivated, have clear and demonstrated objectives, and are willing to explore new possibilities in the field of dance. This program also recognizes and encourages individual strengths and professional experience. The School of Film, Dance and Theatre welcomes a diversity of applicants with interest in:

#### Creating:

- dance and art making
- dance technologies
- improvisation and real-time composing
- performance
- socially-engaged and community arts practices
- sound design
- transdisciplinarity and hybridity

#### Framing and Contextualizing:

- dance and related histories
- dance anthropology and ethnography
- dance pedagogy
- educational and professional partnerships
- movement analysis and critical inquiry
- musical methods
- performance and cultural studies
- philosophy of dance

#### Moving:

- contemporary ballet
- postmodern contemporary dance
- somatic practices
- urban arts practices

**Degree Requirements:**

60 credit hours and a bound document.

Incoming students take coursework in dance and related fields that have been designed to provide a broad and fundamental preparation for future careers in:

- arts administration
- arts presenting
- community partnerships
- cross-cultural and ethnographic research
- independent creative practices
- multimedia and technology
- preK-20 private and public sector education
- professional performance companies
- social work and public programs
- wellness and health care

The Master of Fine Arts applied project in dance serves as the culminating experience in the graduate dance curriculum. Students have the opportunity to select the format and structure of their project in conjunction with their Master of Fine Arts committee. The applied project takes into consideration the future goals of the student and serves as a bridge to careers beyond graduate school.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- web-based documentation of recent work, including one solo piece and one group piece, or other forms and types of creative research
- three letters of recommendation from professionals in the field
- a personal artistic statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)

**Online Degree Search Title:** Dance (Interdisciplinary Digital Media and Perform.), MFA

**Campus:** Tempe

**Program Description:**

The MFA in dance with a concentration in interdisciplinary digital media and performance builds on the strength of the School of Film, Dance and Theatre and expands into the specific area of new media practices. The concentration provides a select group of graduate students with a rigorous, in-depth opportunity to specialize in dance as well as transdisciplinary digital arts.

The interdisciplinary classes and research activities of the transdisciplinary School of Arts, Media and Engineering that are part of this concentration give students access to advanced media equipment, studios, project funding and interdisciplinary collaborators.

**Degree Requirements:**

60 credit hours and a bound document.

The degree program involves three years of residency:

- a final MFA applied project (8 credit hours)
- a written document
- an oral defense
- required coursework in the concentration taught by AME (18 credit hours)
- electives (15 credit hours)
- required courses in the School of Dance (19 credit hours)
- ongoing showings of work

The current MFA is normally accomplished during three years of residency in the School of Film, Dance and Theatre. Ongoing showings of creative work are required. Foundational coursework is offered in areas of creative practice, movement practices, pedagogy, professional development, technology and theory.

Students enrolled in the program specialize in areas related to independent research. The Master of Fine Arts applied project, which may involve producing original choreography, presenting a lecture demonstration on a body of research or another form of original work, acts as the culminating experience of the program. Completing the process are a presentation, a final written document, reflective in nature, as well as an oral defense.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- DVD of recent work, including one solo piece and one group piece
- three letters of recommendation from professionals in the field
- personal artistic statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal artistic statement should relate to School of Dance core values as described by the Learning Lens, and include a description of the applicant's interest in and previous experience with interdisciplinary dance and digital media art-making.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Dance Teaching Artist Praxis (Certificate), Certificate (HIDTAPGRCT)

**Online Degree Search Title:** Dance Teaching Artist Praxis (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate in dance teaching artist praxis prepares students to enter the dance field as professional teaching artists and educators. The program equips students with the knowledge, skills and credentials to work as dance teaching artists, pedagogical theorists and researchers, higher-education dance professors and teacher preparation experts, preK-12 dance educators and community dance teachers. Students completing the dance teaching artist praxis certificate will fulfill central coursework requirements necessary to obtain a Provisional Arts Education, preK-12 certificate in dance from the Arizona Department of Education. They also will gain the qualifications and credentials required to develop and teach university teacher preparation courses and training programs and develop the skills and perspectives necessary to effectively work as a teaching artist in diverse sociocultural and learning contexts.

**Degree Requirements:**

28 credit hours including a written portfolio.

Required Core (28 credit hours)

DCE 530 Graduate Movement Practices I (2)

DCE 531 Graduate Movement Practices 2 (2)

DCE 554 Teaching Praxis I: Postsecondary Teaching Philosophies, Foundations and Practices (3)

DCE 654 Teaching Praxis II: Theories, Contexts, Populations, Psychomotor Development and Curriculum Design (3)

DCE 656 Teaching Praxis III: Secondary Practices and Teacher Preparation Course Development/Implementation (4)

DCE 657 Pedagogical Research and Fieldwork (2)

SED 578 Student Teaching: Secondary Education (12)

Additional Curriculum Information

Students must submit the written portfolio culminating experience in the last semester of enrollment in the certificate program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a minimum of a master's degree in dance or a related field from a regionally accredited college or university, or have successfully completed their first semester of the Arizona State University MFA degree program in dance.

Applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in the applicable master's degree program or in the ASU Master of Fine Arts program in dance at the time of their application submission.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)

**Online Degree Search Title:** Healthcare and Healing Environments, MSD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The MSD with a concentration in design of health care and healing environments is focused on the science and experiences behind the built environment's real and perceived impacts on health and wellness. To this end, the concentration in design of health care and healing environments emphasizes the intersection and integration of evidence-based research and practice, transdisciplinary studies, best practices, and innovation in supporting and advancing the design of healthy environments, products and processes. This concentration enables students to explore and synthesize principles from a variety of disciplines that include innovation, architecture, design, communication, human behavior, policy, quality and performance improvement, among others, to arrive at a thorough understanding of the critical issues facing the health care industry.

Students in this concentration will have opportunities to:

- be mentored by local health care design consultants
- communicate with forward-thinking health care research centers
- engage directly with real clients
- interact with prominent health care organizations
- participate in industry conferences
- team with nursing and health innovation faculty and students

#### Degree Requirements:

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete the graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- portfolio
- letter of intent
- contact information for three references
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
- visual communication design

The portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (<https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>)). The Design School requires that these be submitted in addition to Graduate Admission Services application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

#### Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

#### Contact Information:

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Design (Industrial Design), MSD (ARINDDMSD)

**Online Degree Search Title:** Industrial Design, MSD

**Campus:** Tempe

#### Program Description:

The MSD in industrial design is meant for individuals interested in advanced studies in:

- criticism and methodology
- design processes
- history
- human factors
- technology
- theory

This program helps students develop an understanding of contemporary industrial design issues through specialized research and design skills. It

also prepares the graduate student for a career in industrial design education.

**Degree Requirements:**

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information of three references
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

When applying for admission, applicants must declare one of the concentrations.

The portfolio, letter of intent, resume and contact information of three references must be submitted via Slideroom (<https://asudesign.slideroom.com> (<https://asudesign.slideroom.com/>)). The Design School requires that these be submitted in addition to the graduate application requirements.

GRE scores are not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## **Design (Interior Design), MSD (ARINTDEMSD)**

**Online Degree Search Title:** Interior Design, MSD

**Campus:** Tempe

**Program Description:**

The MSD in interior design is a research program that addresses the discovery and inquiry of how people relate to space. The program encourages

the investigation of creativity, innovation and critical thinking while acknowledging the importance of cultural and historical precedent. This program helps students develop an understanding of contemporary interior design issues through specialized research and design skills. This concentration prepares students with prior interior design training for more specialized career fields and for a career in academia.

**Degree Requirements:**

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design situation.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information of three references
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

When applying for admission, applicants must declare one of the concentrations.

The portfolio, letter of intent, resume and contact information of three references must be submitted via Slideroom (<https://asudesign.slideroom.com> (<https://asudesign.slideroom.com/>)). The Design School requires that these be submitted in addition to the graduate application requirements.

GRE scores are not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

**Design (Visual Communication Design), MSD (ARVCDMSD)**

**Online Degree Search Title:** Design (Visual Communication Design), MSD

**Campus:** Tempe



**Program Description:**

The MSD with a concentration in visual communication design is a degree program meant for individuals interested in advanced studies in visual language, history, theory, criticism and methodology, design processes and technology. The student develops an understanding of contemporary graphic design issues through specialized research and design skills curriculum. It also prepares the graduate student for a career in graphic design education.

**Degree Requirements:**

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information for three references
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International students are required to submit proof of English Proficiency through either the TOEFL or the IELTS if their native language is not English. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

When applying for admission, applicants must declare a concentration. Students should see the department website for an approved list of graduate programs.

The portfolio, letter of intent, resume and contact information of three references must be submitted via Slideroom (<https://asudesign.slideroom.com> (<https://asudesign.slideroom.com>)). The Design School requires that these be submitted in addition to the graduate application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

GRE scores are not required.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Design, Environment and the Arts, PHD (HIDEAPHD)

**Online Degree Search Title:** Design, Environment and the Arts, PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### **Program Description:**

The PhD in design, environment and the arts is an individualized, institute-wide, transdisciplinary degree that integrates graduate courses and faculty research with expertise in design; health care and healing environments; history, theory and criticism; and digital culture in design.

Broad in scope, the program is at the cutting edge of creating new knowledge in architecture, design and the arts. It complements transdisciplinary research in other disciplines within the university. The program provides research experience for students wishing to pursue careers in industry as members of interdisciplinary design teams on environmental and energy issues as well as for those wishing to teach in the architecture, design or the arts fields.

Applicants should apply to the concentration appropriate to their area of research interest as applications to the stand-alone degree program are not being accepted at this time.

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's degree can count toward the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's degree, 12 must be dissertation credit and 12 may be research. These 24 credit hours plus the remaining 30 credit hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program.

The student is required to take 15 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the area of focus; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in the field of architecture, graphic design, industrial design, interior design, landscape architecture, or fine arts from a regionally accredited institution. Students must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design; history, theory and criticism; digital culture in design; or health care and healing environments)
- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score of at least 100 iBT or 600 PBT or an overall International IELTS band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English: <https://admission.asu.edu/international/graduate/english-proficiency>

(<https://admission.asu.edu/international/graduate/english-proficiency>).

International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU, and become certified. Additional information is available on the department website.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Applicants must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Students are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The letters of recommendation preferably would be academic, although they could be professional. Applicants will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Candidates are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

Applicants should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

The application will be considered incomplete if any of the items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

Applicants should see the program website for application deadlines.

**Contact Information:**

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/>  
CDN 162 E  
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480-965-3536

## Design, Environment and the Arts (Design), PHD (HIDEADSPHD)

**Online Degree Search Title:** Design, Environment and the Arts (Design), PhD

**Campus:** Tempe

**Program Description:**

The design concentration within the PhD in design, environment and the arts is an individualized institute-wide interdisciplinary program that integrates graduate courses and faculty research with expertise in design. Broad in scope, the program is at the cutting edge of creating new knowledge in architecture, design and the arts. The program provides research experience for students wishing to pursue careers in industry as members of transdisciplinary design teams on environmental and energy issues as well as for those wishing to teach in the architecture, design or the art fields.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

EPD 700 Research Methods (3)

EPD 710 Current Research in Design (3)

Concentration (15 credit hours)

DSC 558 Daylighting (3)

DSC 594 Conference and Workshop (3)

EPD 791 Seminar (3)

GRA 501 Creative Environment and Collaborative leadership (3)  
GRA 561 Methods in Visual Communication I (3)  
GRA 562 Methods in Visual Communication II (3)  
GRA 581 Internship in Teaching Design (3)  
GRA 590 Reading and Conference (3)  
INT 515 Decorative Arts in Historic Interiors: A Thematic Overview (3)  
INT 516 Textiles in Historic Interiors: Appearance, Function, Symbolism (3)

Electives or Research (21 credit hours)  
EPD 790 Reading and Conference (9)  
EPD 792 Research (12)

Culminating Experience (12 credit hours)  
EPD 799 Dissertation (12)

#### Additional Curriculum Information

Students choose five courses from the list of concentration courses above. Other equivalent courses may be used as concentration coursework with approval of the supervisory committee.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree, in a closely related field, from a regionally accredited institution. Examples of appropriate fields include art history, architectural history, design history or fields in the humanities, such as history or literature; or archaeology and anthropology also may be considered. Students without graduate experience in the history of art, history of architecture and history of design may be asked to fulfill deficiencies.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in the applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- personal statement
- abstract of proposed research
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must submit a personal statement, abstract of proposed research, and contact information for three references to Slideroom (<https://asudesign.slideroom.com> (<https://asudesign.slideroom.com>)). It is required that these be submitted in addition to the Graduate College application requirements.

#### Contact Information:

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/node/2154>  
CDN 152 E  
designgrad@asu.edu  
480-965-3536

## Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)

**Online Degree Search Title:** Design, Environment and the Arts (Digital Culture in Design), PhD

**Campus:**

ASU is not currently accepting applications to this program.

**Program Description:**

The PhD in design, environment and the arts with a concentration in digital culture in design focuses on the role of computational systems in enhancing creativity and the quality of human design. Graduates of the program should be thinkers as well as doers; they should learn to question the existing paradigms that govern the digital world as they impact design and the arts; they should be able to analyze systematically how digital tools affect the way designers and artists think, conceptualize, create and evaluate their designs and artwork; and, as a result, they should be able to come to a unique synthesis, leading the way in these fields.

This concentration program primarily will explore the impact of digital culture on how built environments, products and visual communications are designed and analyzed by design professionals and are utilized by their intended audience. Students should be able to systematically question existing paradigms and ontologies of digital tools, evaluate the new paradigms that emerge as a result of digital culture, and propose new frameworks for design disciplines. Issues such as user interface design for new products, computer simulation of performance of buildings and products, effects of digital tools on architectural form giving, digital design processes, better incorporation of human factors into design tools, usability and interaction design are some examples of faculty expertise and areas of focus.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

EPD 700 Research Methods (3)

EPD 710 Current Research in Design (3)

Required Concentration (12 credit hours)

Research and Approved Electives (24 credit hours)

Culminating Experience (12 credit hours)

EPD 799 Dissertation (12)

Other Requirements (30 credit hours)

a previously awarded master's degree or approved relevant coursework (30)

Additional Curricular Information

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's degree can count toward the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's degree, 12 must be dissertation credit and 12 may be research. These 24 credit hours plus the remaining 30 credit hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program.

The student is required to take 12 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the concentration; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the field of architecture, graphic design, industrial design, interior design, landscape architecture, arts media or engineering, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design, history, theory and criticism, digital culture in design, or health care and healing)

environments)

- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score of at least 100 iBT or 600 PBT or an overall IELTS band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English:<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU, and become certified. Additional information is available on the department website.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Applicants must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

The letters of recommendation preferably would be academic, although they could be professional. Applicants will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Applicants are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

Applicants should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Students are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The application will be considered incomplete if any of the application items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

#### Contact Information:

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu>  
CDN 162 E  
designgrad@asu.edu  
480-965-3536

## Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)

**Online Degree Search Title:** Design, Environment and the Arts (Healthcare and Healing Environments), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The health care and healing environments concentration under the PhD program in design, environment and the arts focuses on the integration of evidence-based design, sustainable science and best practices benchmarks when planning health care facilities. Facility-related responsibilities supported by this area cluster into seven functional work units:

- facilities analysis (physical and environmental)
- human factors and user needs
- interior planning and design

- programming (long-range planning)
- research methodologies
- space management and planning
- strategic planning

This multidisciplinary program integrates the principles of medical and clinical innovations, interior architecture, human health services, communication studies, architecture, and behavioral and engineering sciences. Students in this program will be mentored by local health care design consultants, teaming with nursing students and working directly with real clients and corresponding with forward-thinking health care research centers. Graduating students will be able to address contemporary issues facing the health care industry, address health care environments on multiple levels, apply evidence-based research techniques and effectively communicate with clinicians.

Upon graduation, students may pursue advanced positions in the following arenas:

- elite consulting firms as facility programmers
- large health care systems and corporations as strategic planners
- leading manufacturers and vendors as expert representatives
- planning divisions in architectural and planning firms as medical planners
- research centers as decision-makers

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

EPD 700 Research Methods (3)

EPD 710 Current Research in Design (3)

Concentration (18 credit hours)

Electives or Research (18 credit hours)

EPD 792 Research (12)

Other electives or research (6)

Culminating Experience (12 credit hours)

EPD 799 Dissertation (12)

Additional Curriculum Information

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's can count toward the requirements of the doctoral program. If the student has not completed a master's degree, elective courses approved by the supervisory committee may substitute.

The student is required to take 18 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the area of concentration.

No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program. Each student entering the program is required to submit a plan of study during the first year.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in the field of design, interior design, architecture, nursing or other related fields from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design, history, theory and criticism, digital culture in design, or health care and healing)

environments)

- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score of at least 100 iBT or 600 PBT or an overall International IELTS band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English (<https://admission.asu.edu/international/graduate/english-proficiency>) (<https://admission.asu.edu/international/graduate/english-proficiency>). International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU, and become certified. Additional information is available on the department website.

Ideal candidates must already hold a master's degree in design, interior design, architecture, nursing or other related fields. A statement of intent will express interest in the health care research/design concentration. If students enter the program with no design or health care background, they must take certain deficiency courses.

The letters of recommendation preferably would be academic, although they could be professional. Applicants will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Applicants are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

Applicants should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Applicants are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The application will be considered incomplete if any of the application items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

#### Contact Information:

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/degree-programs/design-environment-and-arts-healthcare-healing-environments-phd>  
CDN 162 E  
designgrad@asu.edu  
480-965-3536

## Design, Environment and the Arts (History, Theory, and Criticism), PHD (HIDEAHTPHD)

**Online Degree Search Title:** Design, Environment and the Arts (History, Theory, and Criticism), PhD

**Campus:** Tempe

#### Program Description:

The history, theory and criticism concentration within the PhD program in design, environment and the arts focuses on the theoretical dimensions in areas of architectural, design and art history including critical discourse in the design or art disciplines. The program offers classes and research across many cultures and time periods, geographies, and multiple approaches and methodologies within the art history program.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation, and two foreign language exams.

Required Core (6 credit hours)

EPD 700 Research Methods (3)

EPD 710 Current Research in Design (3)



Required Concentration (15 credit hours; choose five courses)

APH 515 Current Issues and Topics (3)  
APH 590 Reading and Conference (3)  
APH 598 Special Topics (3)  
ARS 501 Methodologies and Art History (3)  
ARS 506 Critical Studies in Roman Art (3)  
ARS 514 Monasteries, Madonnas and Manuscripts (3)  
ARS 533 The Pre-Raphaelites (3)  
ARS 574 Studies in Japanese Art (3)  
ARS 575 Approaches to Chinese Painting (3)  
ARS 584 Internship (3)  
ARS 585 Women in the Visual Arts (3)  
ARS 591 Seminar (3)  
ARS 598 Special Topics (3)  
ARS 790 Reading and Conference (3)  
EPD 790 Reading and Conference (3)

Electives or Research (21 credit hours)

EPD 792 or ARS 792 Research (12)  
three 3-credit-hour courses at the 500 to 700 level as agreed upon by faculty mentor

Culminating Experience (12 credit hours)

EPD 799 or ARS 799 Dissertation (12)

Additional Curricular Requirements

A foreign language exam is required in order to show reading knowledge of two foreign languages as demonstrated by the exam administered by the School of International Letters and Cultures (or equivalent) during the program or by a "B" or better (scale is 4.00 = "A") in a reading course such as a 400- or 500-level special topics course (example: ITA 494 or FRE 598 for reading knowledge). These credits do not count toward the degree total unless taken at the 500 level or above and approved by the faculty mentor as a concentration course.

When approved by the student's supervisory committee, this program allows 30 credit hours from a previously awarded master's degree to be used for this program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution. Examples of appropriate fields include art history, architectural history, design history or fields in the humanities, such as history or literature; archaeology and anthropology may also be considered. Students without graduate experience in the history of art, history of architecture and history of design may be asked to fulfill deficiencies.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- abstract of proposed research
- personal statement
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must submit to Slideroom (<https://asudesign.slideroom.com> (<https://asudesign.slideroom.com/>)) a personal statement, abstract of proposed research, and contact information for three references. It is required that these be submitted in addition to the Graduate College application requirements.

#### **Contact Information:**

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/degree-programs/design-environment-and-arts-history-theory-and-criticism-phd>  
ART 102  
designgrad@asu.edu  
480-965-8521

## Digital Culture, MA (HIDGCMA)

**Online Degree Search Title:** Digital Culture, MA

**Campus:** Tempe

### Program Description:

The MA in digital culture is geared toward practitioners of design and the arts who have an interest in software and system development and seek to enhance their practice through expanded engagement with interactive and embodied media design in a transdisciplinary environment.

The degree program allows artists and designers to explore new avenues for real-time media creation that seek to go beyond current paradigms. Coursework also explores current practices in various contexts (performance environments, health and well-being, social media and communication) as well as engineering-based approaches to the development of experiential systems with social impact.

Digital culture alumni have received job opportunities in areas such as:

- audio and video
- engineering
- graphic design
- illustration
- interaction design
- iOS development
- journalism
- programming
- software engineering
- special effects
- 3D modeling and fabrication
- visual media

### Degree Requirements:

33 credit hours including the applied project course (AME 593).

Required Core (12 credit hours)

AME 520 Understanding Activity (3)

AME 530 Experiential Media Methodology and Theory I (3)

AME 531 Experiential Media Methodology and Theory II (3)

AME 532 Media Synthesis (3)

Electives or Research (18 credit hours)

Culminating Experience (3 credit hours)

AME 593 Applied Project (3)

Additional Curriculum Information

Students should check with the academic unit regarding appropriate electives coursework.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in one of the following areas from a regionally accredited institution: arts, humanities, design, media studies, computer science, engineering or a closely related field.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- letters of recommendation
- portfolio
- statement of purpose
- writing sample
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A portfolio is required; however, submissions will vary depending on the background of each prospective student due to the transdisciplinary nature of the program. Applicants from a wide variety of disciplines are expected to be interested in the master's degree. Key works will be requested from applicants to illustrate the types of skills they wish to develop in the master's degree program. Examples include games they have designed and programmed, interactive installations and performances (submitted as video), websites they have created or programmed, music they have composed digitally, or films they have made.

The statement should explain, in a concise and persuasive manner, how the student's educational, professional and personal experiences inform their research and creative interests, and it should elaborate on any aspect of their background that supports candidacy to the School of Arts, Media and Engineering.

#### Contact Information:

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF B217  
ameed@asu.edu  
480-965-9438

## Industrial Design, MID (HIINDMID)

**Online Degree Search Title:** Industrial Design, MID

**Campus:** Tempe

#### Program Description:

The MID in industrial design is a studio-based program in which students learn to design new products and service systems that solve critical global problems. Students engage in research, brainstorming, idea visualization, prototyping and testing of creative solutions that address critical problems faced in the world today.

Graduates of this program will be adept in using principles of design innovation, sustainability and systems thinking in problem-solving and after graduation often find positions in industry and academia.

#### Degree Requirements:

60 credit hours including the required capstone course (IND 622).

Required Core (40 credit hours)

Electives (12 credit hours)

Other Requirement (3 credit hours)

IND 584 Internship (3)

Culminating Experience (5 credit hours)

IND 622 Advanced Industrial Design Studio IV (5)

#### Additional Curriculum Information

Students should see the academic unit for an approved course list.

The MID program includes sequential studio courses. Requirements involve an average of 14 credit hours per semester. An internship is required during the summer prior to the final year.

Additional deficiency coursework is required for students who are in the three-year plus program; students should see the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of three references submitted via SlideRoom (<https://asudesign.slideroom.com/#/Login>)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The Design School requires that the portfolio, letter of intent and references be submitted via SlideRoom in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

The GRE is not required.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary; this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Admission requirements for the two-year program**

Applicants must hold a minimum of a bachelor's degree or equivalent or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as industrial design or product design.

**Admission requirements for the three-plus year program**

Applicants must hold a bachelor's degree or equivalent from a regionally accredited college or university of recognized standing in a field other than industrial design.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu/degree-programs/graduate>  
CDN 162  
designgrad@asu.edu  
480-965-3536

## Interior Architecture, MIA (HIAMIA)

**Online Degree Search Title:** Interior Architecture, MIA

**Campus:** Tempe

**Program Description:**

The MIA is a studio-based professional degree program that prepares graduates to fill leadership positions in interior architecture, design practice and education.

Focusing on the development of groundbreaking design solutions to contemporary and emergent societal issues, such as sustainability and health care, this program draws upon history, theory and criticism to inform a transdisciplinary, evidence-based approach. Studios will have close ties to the allied disciplines of architecture and landscape architecture, with faculty members from those programs actively involved in teaching studios

with an interior architecture concentration. This provides a foundation of transdisciplinary learning to assist in the understanding of integrated practice. This degree program aims to further a candidate's comprehension of design as a synergistic process of identifying, analyzing and creating useful, beautiful and stimulating interior environments that serve the needs of varied user populations.

**Degree Requirements:**

56 credit hours including the required capstone course (INT 622).

Students should see the academic unit for the course list. Additional coursework is required if the student needs to take deficiency courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of three references submitted via SlideRoom (<https://asudesign.slideroom.com/#/Login>)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

No GRE test is required.

The Design School requires that the portfolio, letter of intent and reference information be submitted in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Please keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Admission Requirements for the Two-year Program:**

All applicants must have completed a minimum of a bachelor's degree (or equivalent) in interior design or interior architecture from a Council for Interior Design Accreditation-accredited program or a four-year degree in architecture from a National Architectural Accrediting Board-accredited program.

**Admission Requirements for the Three-plus-year Program:**

All applicants must have completed a minimum of a bachelor's degree (or equivalent) in a field other than in interior design, interior architecture or architecture.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Landscape Architecture, MLA (ARLDEMLA)

**Online Degree Search Title:** Landscape Architecture, MLA

**Campus:** Tempe

**Program Description:** The MLA is designed to enable students to engage with the community in projects that focus on improving the ecological and social health of the urban environment, with emphasis on sustainable outdoor environments.

The projects in the graduate program in landscape architecture can include large-scale work encompassing urban design, landscape reclamation, open space preservation planning and ecological landscape design, and projects at the more intimate scale of a neighborhood park or residential backyard. Emerging areas of focus include biotechnical design, construction of greenways, green roofs, living walls, and urban agriculture, as well as the design of healing environments.

The Design School is committed to the merging of global and local contexts and concerns and, toward this end, graduate students in their final year go abroad for two weeks as part of their studio course. To date, students have traveled to Argentina, England, Ethiopia, Germany, Japan, the Netherlands, Rwanda, Spain and Turkey. The school also offers a number of summer study abroad programs in an effort to extend the student opportunities for global engagement.

The curriculum in this accredited Master of Landscape Architecture degree program is designed to prepare students for the professional practice of landscape architecture and for advanced study at the doctoral level. In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure.

Since 2011, when the first class of students graduated with master's degrees in landscape architecture, ASU alumni have found employment with nationally recognized landscape architects in multinational firms and within public municipalities and agencies.

### **Degree Requirements:**

56 credit hours and a thesis, or 56 credit hours including the required applied project course (LDE 593), or 56 credit hours including the required capstone course (LDE 622).

Required Core (15 credit hours)

LDE 521 Advanced Landscape Architectural Studio I (5)

LDE 522 Advanced Landscape Architectural Studio II (5)

LDE 621 Advanced Landscape Architectural Studio III (5)

Research (9 credit hours)

DSC 598 Topic: Principles of Collaboration in Design (3)

LPH 513 Research in LA Seminar (3)

LPH 598 Topic: Landscape Architecture Research (3)

Electives (8 to 9 credit hours)

Other Requirements (18 credit hours)

LAP 584 Internship (1)

LAP 584 Internship (2)

LTC 598 Topic: Planting Design (3)

LTC 598 Topic: Landscape Construction III (3)

LPH 598 Topic: Current Issues and Topics in Landscape Architecture (3)

LPH 598 Topic: Urban Landscape Water Systems and Management (3)

LPH 691 Topic: Landscape Architecture Seminar (3)

Culminating Experience (5 or 6 credit hours)

LDE 593 Applied Project (5) or

LDE 599 Thesis (6) or

LDE 622 Advanced Landscape Architectural Studio IV (5)

Additional Curriculum Information

Students take eight to nine credit hours of design professional electives depending on the culminating experience. Students should see the academic unit for an approved elective list. For the research and other requirements sections, other courses may be used with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- online graduate admission application and application fee

- official transcripts
- a portfolio, letter of intent and contact information of three references submitted via SlideRoom (<https://asudesign.slideroom.com/#/Login>)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The Design School requires that the portfolio, letter of intent and reference information be submitted in addition to the Graduate College application requirements.

Applicants are encouraged to report GRE scores, especially if the applicant's background is broad or other than a traditional design major, but it is not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted; otherwise, they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

#### Additional Admission Information

##### Admission Requirements to the 2-Year Pathway

An applicant must have completed a four-year bachelor's degree with a major in landscape architectural studies or be a licensed landscape architect. The undergraduate degree must be granted by an institution that offers the Landscape Architectural Accreditation Board (LAAB) accredited degree program in landscape architecture.

##### Admission Requirements to the 2-Year Plus Pathway

Applicants must have earned an undergraduate or graduate degree in architecture, urban design, landscape design, planning, urban design, or a related design field or applicants with a baccalaureate degree with a major or minor in landscape design.

##### Admission Requirements to the 3-Year Plus Pathway

Applicants must have earned a baccalaureate or graduate degree in any field other than landscape architecture.

#### Deficiency Coursework

If a student is assigned any deficiency coursework by the academic unit upon admission depending on the undergraduate background, those courses must be completed with a grade of "B" (3.00) or higher before completing the master's program required coursework. As an MLA student assigned deficiencies, there are two pathways. One is MLA 3+ with up to 42 credits hours beginning in the summer and the other is MLA 2+ with up to 15 credit hours beginning in the spring. Deficiency courses may include:

- ALA 235 Introduction to Computer Modeling (3)
- APH 509 Foundation Seminar (3)
- LAP 352 Ecosystems and Sustainable Design (3)
- LAP 254 Plant Materials (3)
- LDE 590 Topic: Core Landscape Architectural Studio I (6)
- LDE 590 Topic: Core Landscape Architectural Studio II (6)
- LDE 590 Topic: Foundation Landscape Architecture Studio (6)
- LPH 310 History of Landscape Architecture (3)
- LPH 311 20th Century Landscape Architecture (3)
- LTC 343 Landscape Construction I (3)
- LTC 344 Landscape Construction II (3)

#### Contact Information:

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Media Arts and Sciences, PHD (FAMASPHD)

**Online Degree Search Title:** Media Arts and Sciences, PhD

**Campus:** Tempe

### Program Description:

Media, arts and sciences doctoral students train in translating, transporting and combining knowledge across disciplines for the development of innovative, experiential media systems and accompanying theoretical models. The PhD program structure includes transdisciplinary media courses through the School of Arts, Media and Engineering; elective-course credits relating to the student's research interests; and substantial research and dissertation hours devoted to collaborative research within the School of Arts, Media and Engineering network. Active participation in transdisciplinary research teams allows media, arts and sciences doctoral students to gain and contribute expertise in knowledge fusion for digital media.

Arts, media and engineering alumni have pursued job opportunities in:

- audio and video
- education
- graphic design
- illustration
- interactive system development
- iOS development
- journalism
- programming
- software engineering
- special effects
- 3D modeling and fabrication
- visual media

### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The requirements for this program are comprised of 39 course credit hours, which include 30 from the transdisciplinary media courses offered by the School of Arts, Media and Engineering; 33 research credit hours; and 12 dissertation credit hours. All students will be required to take a minimum of two courses under each of the five constituting areas of experiential media (30 credit hours).

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in arts, humanities, design, media studies, computer science, engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- curriculum vitae
- statement of purpose
- three letters of recommendation
- portfolio of supporting material
- writing sample
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should explain in a concise and persuasive manner how the student's educational, professional and personal experiences inform their research and creative interests, and the student should elaborate on any aspect of their background that supports candidacy to the School of Arts, Media and Engineering program.



Each applicant must demonstrate entry-level competencies. This can be demonstrated primarily through a portfolio. The portfolio may include previously developed media products, projects or publications demonstrating an understanding of and involvement with digital media and computation. Entry-level competency can also be partially demonstrated through coursework and may include such courses as:

- advanced computer programming
- computer graphics and animation
- computer music
- digital design
- film theory
- interactive technologies
- media authoring tools
- media theory
- multimedia systems
- signal processing

Students should see the program website for application deadlines and admission terms.

**Contact Information:**

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu>  
STAUF B 217  
ameed@asu.edu  
480-965-9438

## Music (Conducting), DMA (FACONDDMA)

**Online Degree Search Title:** Conducting, DMA

**Campus:** Tempe

**Program Description:**

The DMA program in music with a concentration in conducting (emphasis areas: choral, orchestra and opera, wind band) offers emerging conductors the opportunity to improve their art, craft and scholarship while becoming well-versed in multiple areas of conducting. Those pursuing this degree take several common courses regardless of emphasis and become acquainted with the repertory and conducting issues for each medium. Coursework emphasizes a thorough knowledge of repertory, historical and analytical issues; an understanding of efficient, effective rehearsal technique; and clear, expressive conducting technique. Doctoral students of conducting receive considerable individual attention and have regular opportunities to rehearse and conduct a variety of ensembles.

There are three tracks in this degree program:

Conductors specializing in choral conducting expand their expertise in vocal technique and work to integrate this into their pedagogy and rehearsal process. Score study integrates musical and textual analysis to gain insights into the unique interpretive demands of each work. Through these studies and those described above, conductors enhance their musical and interpretive skills and develop a collaborative leadership style.

Conductors specializing in orchestra and opera conducting work closely with the director of orchestras and the artistic director of the music theatre and opera program and gain a breadth of experience in both orchestral and opera conducting. Time in front of an ensemble is essential, and therefore conductors have significant podium time as well as twice-weekly studio chamber orchestra classes. Study includes conducting technique, rehearsal technique, leadership, interpretation, score study, audience development and outreach, and career development.

Conductors specializing in wind band conducting meet in seminars to deepen and broaden their understandings of the psychology, score preparation methods, pedagogy and communication skills that underlie the art and craft of conducting in the wind band setting. Additionally, students' capacity for analytical thinking and dialogical skills will be challenged and, subsequently, enhanced.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam and a research paper.

Conducting Core (18 credit hours)

Specialty Courses (9 credit hours)

Electives (9 credit hours)

Cognate (integrated conducting, instrumental performance or music education) (9 credit hours)

Music History and Music Theory (21 credit hours)

Recitals and Research (24 credit hours)

#### Other Requirement

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to course enrollment in the ASU School of Music.

#### Additional Curriculum Information

Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's degree in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted here: <https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>).

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students seeking admission typically hold a Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in an MM program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)

- official transcripts

- School of Music Application (including a resume and personal statement; also an uploaded writing sample from choral applicants):

<https://music.asu.edu/admissions/grad/> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)

- prescreening video
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: TOEFL score of at least 550 (PBT) or 80 (iBT), IELTS overall band score of at least 6.5, or Pearson Test of English score of at least 60.

Students should see the program website for application deadlines. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency requirements) and review of prescreening materials, an applicant may be invited for a live audition. Information on the audition may be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Music

<https://music.asu.edu/degree-programs/conducting>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## Music (Ethnomusicology), MA (FAETHNMA)

**Online Degree Search Title:** Ethnomusicology, MA

**Campus:** Tempe

#### Program Description:

The MA program in music with a concentration in ethnomusicology helps students develop skills in scholarship and performance experiences. Students choose to focus on traditional or popular music of one or more of the world's musical cultures. Students have opportunities to explore

performance styles through participation in ethnomusicology ensembles such as Javanese gamelan, Latin marimba, mariachi, steel pan and African drumming.

### **Degree Requirements:**

30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

Required Core (13 credit hours)

MHL 532 Music Bibliography (3)

MHL 668 Introduction to Ethnomusicology (3)

MUP 587 Ethnomusicology Ensemble (2)

music theory (5)

Electives (9 credit hours)

music electives (6-9)

open electives (0-3)

Research (2 credit hours)

MHL 592 Research (2)

Culminating Experience (6 credit hours)

MHL 599 Thesis (6)

Additional Curriculum Information

MHL 592 Research is taken concurrently with the second semester of MUP 587 Ethnomusicology Ensemble (1).

At least 20 credit hours for the program must be in the field of ethnomusicology or related fields approved by the student's advisor, complemented by courses in music theory, performance and cultural anthropology as listed above. Appropriate elective coursework will be reviewed and approved by the academic unit prior to inclusion on the student plan of study. No more than three credit hours of musicology may apply to the music electives requirement.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music list above. This is tracked internally within the academic unit.

A passing grade on the foreign language exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted under each degree here: <https://music.asu.edu/degree-programs/graduate/>. (<https://music.asu.edu/degree-programs/graduate/>)

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution or from an international institution officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume, personal statement and writing sample): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- three letters of recommendation
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency (<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)).

The School of Music does not offer conditional admission under any circumstances. Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses or their equivalents may be taken at ASU, at another

accredited university or at a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MTC 125 Basic Music Theory  
MTC 221 Music Theory: 18th Century  
MTC 222 Music Theory: 19th Century  
MTC 223 Music Theory: 20th Century  
MHL 140 Music as Culture  
MHL 341 Music History I  
MHL 342 Music History II

Students should see the program website for application deadlines.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/musicology>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Music (Interdisciplinary Digital Media and Performance), DMA (FAINTDDMA)

**Online Degree Search Title:** Music (Interdisciplinary Digital Media), DMA

**Campus:** Tempe

This program's name has changed effective Fall 2019. The previous name was Music (Interdisciplinary Digital Media and Performance).

**Program Description:**

The DMA in music with a concentration in interdisciplinary digital media is designed for students who have interests and skills in unique cross sections of the arts and sciences.

The degree program expands the School of Music offerings to include areas beyond typical music coursework, allowing for more opportunities for digital sound and interactive projects. The program also allows the School of Music and its students to be actively involved in current developments in the ever-changing field of media and digital culture.

The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are invaluable assets to music students, with resources that complement existing and future courses in electronic music.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (25-27 credit hours)

Music Theory Core Area (12-19)

Music History Core Area (6-15)

Concentration (33 credit hours)

MTC 523 Advanced Composition (6)

MTC 723 Advanced Composition (6)

Arts, Media and Engineering coursework (21)

Electives (9-11 credit hours)

Research (9 credit hours)

MTC 792 Research (9)

Culminating Experience (12 credit hours)

MTC 799 Dissertation (12)

Additional Curriculum Information

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Concentration coursework for the Arts, Media and Engineering area must be from the AME prefix.  
Academic Catalog Archive 2019-2020

This program accepts up to 30 credit hours from a previously awarded master's degree with approval from the academic unit and the Graduate College that may be used towards the hours required for the elective and concentration coursework.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted here: <https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>).

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country and officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume and personal statement): <https://music.asu.edu/admissions/grad/> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- GRE or MAT scores
- prescreening portfolio: <https://music.asu.edu/admissions/graduate-recordings-portfolios/> (<https://music.asu.edu/admissions/graduate-recordings-portfolios/>)
- three letters of recommendation
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or IELTS overall band score of at least 6.5, or Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After all application materials are received and reviewed, including recommendation letters, transcripts and English proficiency requirements, an applicant may be invited for a live interview. Information about the interview may be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

#### **Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/composition-theory>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## **Music (Music Composition), DMA (FACOMPDMA)**

**Online Degree Search Title:** Music Composition, DMA

**Campus:** Tempe

#### **Program Description:**

The DMA in music with a concentration in music composition is a professional degree program designed for outstanding students of composition who are preparing for professional careers, including teaching positions at the university level.

The concentration in music composition provides extensive faculty interaction as well as opportunities to develop advanced skills in traditional and contemporary compositional techniques. The opportunity to collaborate with music scholars, theorists, performers, educators and other composers provides students with a broad and well-rounded foundation for advanced careers in music.

#### **Degree Requirements:**

90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The credit requirements for the degree are distributed as follows:

major area (composition, music technology, electives) (36 credit hours)

music theory and music history (30 credit hours)

research (12 credit hours)

dissertation (12 credit hours)

The music composition concentration requires the creation of a significant original work of music (considered to be a dissertation) and either two article-length research papers or a substantial paper.

#### Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years in the program beyond the master's degree. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Additional information about degree requirements for all graduate music programs may be found on the check sheets.

<https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of a bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume and personal statement): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- prescreening portfolio
- GRE or MAT scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After receipt of complete application materials (including recommendation letters, transcripts and English proficiency) and review of prescreening materials, an applicant may be invited for an interview. Information about the interview may be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Music

<https://music.asu.edu/degree-programs/composition-theory>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## Music (Music Education), PHD (FAMUSEDPHD)

**Online Degree Search Title:** Music (Music Education), PhD

**Campus:** Tempe

### Program Description:

The PhD in music with a concentration in music education is a scholarly research degree. Graduates of this program typically serve as faculty members at colleges or universities. They become scholars, researchers, music and arts administrators, and public policy advisors to education and arts organizations or civic and governmental groups.

The music education doctoral program includes highly specialized study in music education, elective studies with scholars and artists in the Herberger Institute for Design and the Arts, and opportunities for transdisciplinary elective study with faculty in schools and colleges across the university. A plan of study is designed by the student in consultation with the faculty to support a research trajectory identified by the student.

Research conducted by students in the music education concentration aims to reexamine, interrogate and broaden discourse, practice and policy in music education, and to expand music and education scholarship by challenging methodological and disciplinary boundaries. The program concludes with dissertation research.

### Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (10 credit hours)

MSI 601 Contemporary Topics in Music Research (2)

MSI 602 Current Issues in Music Research (2)

MSI 755 Historical Research in Music (3)

MTC 520 Analytical Techniques (3)

Concentration (30 credit hours)

Electives (29 credit hours)

Research (6 credit hours)

Other Requirements (3 credit hours)

MUE 784 Internship (3)

Culminating Experience (12 credit hours)

MUE 799 Dissertation (12)

Additional Curriculum Information

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Students should see the academic unit for a complete list of approved electives.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. A minimum of two semesters must be spent in continuous full-time residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the check sheets: <https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>).

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)

- School of Music application (including curriculum vitae, personal statement and a writing sample): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)

- official transcripts
- teaching demonstration video
- GRE or MAT scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Applications are accepted and reviewed on a rolling basis until all spaces are filled. Applicants are encouraged to apply as early as possible. Students should see the program website for more information on application deadlines. To ensure prompt processing of application, students should email [MusicAdmissions@asu.edu](mailto:MusicAdmissions@asu.edu) (<mailto:MusicAdmissions@asu.edu>) after submitting an application. An interview with the music education doctoral faculty in person or via electronic media is scheduled after review of application materials. GRE or MAT scores may be submitted after deadlines, but these must be received before enrollment at ASU.

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/music-education>  
MUSIC E167  
[MusicAdmissions@asu.edu](mailto:MusicAdmissions@asu.edu)  
480-965-5069

## Music (Musicology), MA (FAMHISTMA)

**Online Degree Search Title:** Music (Musicology), MA

**Campus:** Tempe

#### Program Description:

The MA program in music with a concentration in musicology focuses on the scholarly study of musical style, musical terminology, reception, historiography, biography and transdisciplinary topics.

Faculty members provide and participate in multisensory learning experiences concerning forms and genres, performance practices, instruments, spaces, philosophies, musical infrastructures and geographic locations. The faculty include leading scholars pursuing a wide range of interests in Western and non-Western music, particularly traditions in the Americas and Eastern Europe, Medieval music cultures, the nineteenth century, jazz, music in popular cultures, musical modernism and experimentalism, improvisation, sound studies, ecomusicology, dance and embodiment, and music's role in wellbeing.

Students work in individual and small group settings to identify research topics of interest culminating in a final thesis.

#### Degree Requirements:

30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

Required Core (14 credit hours)

MHL 532 Music Bibliography (3)

MHL 691 Seminars (6)

music theory (5)

Electives (8 credit hours)

music electives (5-8)

open electives (0-3)

Other Requirement (2 credit hours)

performance ensembles (2)

Culminating Experience (6 credit hours)

MHL 599 Thesis (6)



#### Additional Curriculum Information

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music. This will be tracked internally within the academic unit.

At least 20 credit hours of this program must be in the field of music history and literature.

Appropriate elective coursework will be reviewed and approved by the academic unit prior to inclusion on the student's plan of study. Students may not apply more than three credit hours of ethnomusicology courses toward their plan of study.

A passing grade on the foreign language exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the check sheets. <https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume, personal statement and writing sample): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or their equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture

MHL 341 Music History I

MHL 342 Music History II

MTC 125 Basic Music Theory

MTC 221 Music Theory: 18th Century

MTC 222 Music Theory: 19th Century

MTC 223 Music Theory: 20th Century

Students should see the program website for application deadlines.

#### Contact Information:

Design & the Arts, Herberger Institute for

School of Music

<https://music.asu.edu/degree-programs/musicology>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

**Online Degree Search Title:** Music (Musicology), PhD

**Campus:** Tempe

**Program Description:**

The PhD program in music with a concentration in musicology focuses on the scholarly study of music in historical contexts, musical traditions as sociocultural artifact and behavior and performance.

Students explore and engage in multisensory learning experiences concerning forms and genres, performance practices, instruments, spaces, philosophies, musical infrastructures and geographic locations.

Coursework includes specialized study in musicology, support studies with scholars and artists in the School of Music, the Herberger Institute for Design and the Arts, and opportunities for transdisciplinary study with faculty in schools and institutes across ASU. A plan of study is designed by the student with the faculty to support an individualized research trajectory. Research conducted by students in the doctoral program in musicology aims to examine and interrogate the discipline of musicology and to expand the traditional boundaries of music scholarship by challenging methodological and disciplinary boundaries. The program concludes with a dissertation.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, two foreign language exams, and a dissertation.

Required Core (10 credit hours)

MSI 601 Contemporary Topics in Music Research (2)

MSI 602 Current Issues in Music Research (2)

MSI 755 Historical Research in Music (3)

MTC 520 Analytical Techniques (3)

Concentration (15 credit hours)

MHL 632 Applied Musicology (3)

MHL 668 Introduction to Ethnomusicology (3)

MHL 691 Seminars (9)

Electives and Research (17 credit hours)

Other Requirement (6 credit hours)

MHL 684 Internship (6)

Culminating Experience (12 credit hours)

MHL 799 Dissertation (12)

Additional Curriculum Information

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Students take three seminars for three credit hours each for the concentration. Equivalent courses may be used with preapproval by the student's faculty advisor. No more than six credit hours outside of the School of Music may apply to this requirement.

Students should see the academic unit for a complete list of approved electives and research courses.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. Students entering the program without an earned MA degree will complete the requirements for the Master of Arts in music with a concentration in ethnomusicology or music history and literature.

Additional information on degree requirements for all graduate music programs may be found on the check-sheets. <https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U. S. bachelor's degree in music or a graduate degree from an accredited college or university of recognized standing in music history, musicology, ethnomusicology or music theory.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree

program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including curriculum vitae, two-page personal statement expressing the goal in pursuing this degree and two writing samples): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Two writing samples must be submitted with the School of Music application. It's preferable that each of these samples be a paper from an upper-level undergraduate course or a graduate course, or an article or document written by the applicant.

Students should see the program website for application deadlines.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/musicology>  
MUSIC E167  
MusicAdmissions@asu.edu  
460-965-5069

## Music (Performance), DMA (FAPERFDMA)

**Online Degree Search Title:** Music Performance, DMA

**Campus:** Tempe

**Program Description:**

The DMA in music with a concentration in performance is a professional degree program for advanced musicians desiring high levels of performance instruction and experience as well as preparation for teaching positions at the university level. The program provides extensive faculty and guest artist interaction and opportunities to develop advanced skills in traditional and contemporary pedagogy. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

**Degree Requirements:**

90 credit hours, a research paper, a written comprehensive exam, and an oral comprehensive exam.

The credit requirements for the degree are distributed as follows:

major area (studio instruction, courses in concentration) (39 credit hours)  
music history and music theory (27 credit hours)  
recitals and research (24 credit hours)

The performance concentration requires at least three recitals after admission to the program and a research paper or project. Five recitals are required for the collaborative piano track.

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years in the program beyond the bachelor's degree. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Vocalists: Placement tests in both foreign language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

Additional information about degree requirements for all graduate music programs may be found on the check sheets:  
<https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>).

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country. Students seeking admission typically hold a Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music program.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume, personal statement and repertoire list): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- prescreening recording
- piano pedagogy applicants: teaching demonstration video
- three letters of recommendation
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After the applicant's complete application materials are received (including recommendation letters, transcripts and English proficiency) and a review has been conducted of prescreening materials, an applicant may be invited for a live audition. Information about the audition may be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

#### **Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## **Music Education, MM (FAMUSEDMM)**

**Online Degree Search Title:** Music Education, MM

**Campus:** Tempe

#### **Program Description:**

The MM program in music education is designed for individuals interested in music teaching and learning in public and private schools, community education settings, early childhood programs and adult education. Practicing teachers as well as community musicians and music educators interested in advanced studies in music teaching and learning may enroll.

Students may elect courses in each part of the degree program and may design a course of study that meets their specific interests and needs. The program provides opportunities to study full time, part time (through evening courses), in the summers only, or by combining full-time, part-time and summer study. Full-time students may complete the program in as little as one year.

**Degree Requirements:**

32 credit hours and a written comprehensive exam.

The degree credit requirements are distributed as follows:

music education core (10 credit hours)

musicianship core (10 credit hours)

specialization (12 credit hours)

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Six credit hours may be transferred from another regionally accredited graduate institution. Up to nine credit hours may be taken prior to admission.

As part of the portfolio, students also must participate in an oral review that is monitored internally by the academic unit.

Additional information about degree requirements for all graduate music programs may be found on the check sheets.

<https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program.

All applicants must submit:

- online graduate admission application and application fee
- School of Music application (including a resume): <https://music.asu.edu/admissions/graduate-steps-to-apply>

(<https://music.asu.edu/admissions/graduate-steps-to-apply>)

- official transcripts
- three letters of recommendation
- proof of English proficiency: <https://admission.asu.edu/international/graduate/english-proficiency>

(<https://admission.asu.edu/international/graduate/english-proficiency>)

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or the equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture

MHL 341 Music History I

MHL 342 Music History II

MTC 125 Basic Music Theory

MTC 221 Music Theory: 18th Century

MTC 222 Music Theory: 19th Century

MTC 223 Music Theory: 20th Century

Applications are accepted until all spaces are filled and are reviewed on a rolling basis. Applicants are encouraged to apply as early as possible and should see the program website for more information about application deadlines. To ensure prompt processing of application, applicants should email [MusicAdmissions@asu.edu](mailto:MusicAdmissions@asu.edu) (<mailto:MusicAdmissions@asu.edu>) after submitting an application.

**Contact Information:**

Design & the Arts, Herberger Institute for

School of Music  
<https://music.asu.edu/degree-programs/music-education>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Music Theory Pedagogy (Certificate), Certificate (HIMTPGRCT)

**Online Degree Search Title:** Music Theory Pedagogy (Graduate Certificate)

**Campus:** Tempe

### Program Description:

This certificate in music theory pedagogy offers specialized study in music theory to help prepare students to teach undergraduate courses in fundamentals, harmony, musicianship and basic form analysis. Completion of this certificate indicates the student is prepared to offer instruction in basic music theory at the college level.

The certificate may be pursued concurrently with enrollment in a master's degree program or doctoral degree program in the School of Music.

### Degree Requirements:

15 credit hours.

Required Core (3 credit hours)

MTC 525 Pedagogy of Theory (3)

Other Requirement (3 credit hours)

MTC 584 Internship (3)

Electives (9 credit hours)

Additional Curriculum Information

Completion of diagnostic examinations in music history and music theory, administered by the School of Music, is required of all new graduate music students before enrolling in any graduate academic courses towards the certificate program.

Electives are selected with advisor approval from MTC courses in analytical topics. Students should see the academic unit for a complete list of approved electives.

### Admission Requirements:

Students who are interested in this certificate should email the academic unit prior to submitting an official application, to express their interest in the certificate.

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree in music or music education from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country. Other majors may be considered if applicants submit transcripts showing formal study in music theory and musicianship at least equivalent to what is required of ASU's undergraduate music majors (MHL 140, MHL 341 and MHL 342, MTC 125, MTC 221, MTC 222, and MTC 223). The music theory faculty will review transcripts for equivalency. In some cases, course descriptions or syllabi may be required to verify equivalency.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in any applicable graduate work.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- samples of work
- statement of interest
- proof of English language proficiency

Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances.

- TOEFL score of at least 550 (PBT) or 80 (iBT)

- IELTS overall band score of at least 6.5
- Pearson Test of English score of at least 60

Official transcripts must show a completed bachelor's degree from a regionally accredited institution in the U.S. or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country. Also, if applicable, transcripts showing all coursework in music at the graduate level are required. The committee supervising this certificate program will consider an applicant's undergraduate record (and graduate record if appropriate) in music theory, evaluating courses taken and grades received. A minimum GPA of 3.00 in these courses is required. International students applying to this certificate must also be in a degree program at ASU.

Applicants will submit a statement of interest offering reasons for applying to the certificate program and describing their experience and coursework in music theory. The essay should also indicate the applicant's level of piano proficiency (a necessary classroom skill) through a description of their study and their experience in keyboard performance.

Applicants also will be asked to show proficiency in music theory by submitting samples of work, such as analytical papers and examples of music writing (harmonic part-writing or counterpoint exercises).

**Contact Information:**

Design & the Arts, Herberger Institute for  
 School of Music  
<https://music.asu.edu/degree-programs/composition-theory>  
 MUSIC E167  
[musicadmissions@asu.edu](mailto:musicadmissions@asu.edu)  
 480-965-5069

**Music Therapy, MM (FAMTHERMM)**

**Online Degree Search Title:** Music Therapy, MM

**Campus:** Tempe

**Program Description:**

The MM program in music therapy provides students with graduate-level study in the theory, practice and research of music therapy. There is a two-year track for those who have completed either the undergraduate music therapy degree or its equivalent and who are board-certified or hold a similar international music therapy credential. Additionally, ASU offers a three-year track for those who have an undergraduate degree in music but not in music therapy.

The master's degree program fosters an expanded research perspective in music therapy, emphasizing community partnerships and program development with a concentration in the student's area of choice, drawing from a number of possible options. Cognate areas include counseling and counseling psychology, special education, gerontology, social work, audiology and speech-language or other areas of choice from the many options.

**Degree Requirements:**

33 credit hours including the required applied project course (MUE 586), and a written comprehensive exam, or 33 credit hours, a thesis and a written comprehensive exam, or 63 credit hours including the required applied project course (MUE 586), and a written comprehensive exam, or 63 credit hours, a thesis and a written comprehensive exam.

The degree credit requirements for the two-year track are distributed as follows:

- music therapy core (16 credit hours)
- other studies in music (8 credit hours)
- clinical cognate (9 credit)

Three-Year Track: In addition to the requirements stated above, the three-year track requires 30 credit hours of deficiency coursework for a total of 63 credit hours, including completion of an internship required for certification.

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate-level music students prior to enrollment in the ASU School of Music.

Additional information about degree requirements for all graduate music programs may be found on the check sheets.  
<https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree in music or music therapy from a regionally accredited institution or the equivalent of a U.S. bachelor's or master's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume and personal statement): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency (<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

All applicants are required to perform a live audition or submit an audition recording (<https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>)). Auditions are scheduled only after complete application materials have been received.

Applicants to the three-year track must complete the prerequisite courses listed below, which are not a part of the coursework for the MM program in music therapy (three-year track) but are required for eligibility to sit for the board-certification exam ([www.cbmt.org](http://www.cbmt.org) (<http://www.cbmt.org>)). These prerequisites may be taken during undergraduate study, at a community college or other university before beginning the Master of Music program in music therapy (three-year track), during summer sessions at ASU, or online through an accredited institution recognized by ASU. An applicant is eligible to apply to the Master of Music program in music therapy (three-year track) while completing these prerequisites and may finish these courses during the first year in the music therapy program, although this additional work may present a hardship. The prerequisite courses must be completed before a student begins the internship at the end of their first year of study at ASU, unless prior arrangements have been made. Completing the prerequisite courses prior to beginning the Master of Music program in music therapy (three-year track) is highly recommended.

- Introduction to Psychology
- Abnormal Psychology
- Overview of Exceptional Children/Special Education

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply as early as possible and should see the program website for more information on application deadlines. To ensure prompt processing of application, applicants should email [MusicAdmissions@asu.edu](mailto:MusicAdmissions@asu.edu) (<mailto:MusicAdmissions@asu.edu>) after submitting an application. An in-depth interview emphasizing the applicant's music therapy philosophy, research activities and clinical interests is scheduled after receipt of complete application materials. A phone interview may be arranged.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/music-therapy>  
MUSIC E167  
[MusicAdmissions@asu.edu](mailto:MusicAdmissions@asu.edu)  
480-965-5069

## Performance (Collaborative Piano), MM (FACPIANOMM)

**Online Degree Search Title:** Piano, Collaborative, MM

**Campus:** Tempe

**Program Description:**

The MM program in performance with a concentration in collaborative piano gives students the opportunity to perform with all instrumental areas and voice, focusing on collaborative endeavors such as art song recitals, instrumental duos and chamber music, operatic productions and participation in large ensembles. Students refine specific pianistic skills while developing the knowledge and abilities to be skilled and sensitive



musical collaborators. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

**Degree Requirements:**

32 credit hours and a written comprehensive exam.

The degree credit requirements are distributed as follows:

collaborative piano and performance (including four recitals) (18 credit hours)

music history, music theory and electives (14 credit hours)

At least one year of college-level coursework in either French, German or Italian and at least one of the following are required:

- one semester of diction in each of the two other languages
- one semester of language instruction in each of the two other languages

**Additional Curriculum Requirements**

Language deficiencies must be made up during the first year of study.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs may be found on the check sheets. <https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- School of Music application (including a resume, personal statement and repertoire list): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of complete application materials. Information about the audition may be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or the equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture

MHL 341 Music History I

MHL 342 Music History II

MTC 125 Basic Music Theory

MTC 221 Music Theory: 18th Century

MTC 222 Music Theory: 19th Century

MTC 223 Music Theory: 20th Century

Applicants should see the program website for application deadlines. After an applicant's completed application materials have been received (including recommendation letters, transcripts and English proficiency), the applicant will be confirmed for a live audition.

**Contact Information:**

Design & the Arts, Herberger Institute for

School of Music

<https://music.asu.edu/degree-programs/piano>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## Performance (Conducting), MM (HIPERCOMM)

**Online Degree Search Title:** Performance (Conducting), MM

**Campus:** Tempe

**Program Description:**

The MM in performance with a concentration in conducting presents conductors of orchestras or wind bands with the opportunity to improve their art, craft and scholarship in pursuit of both professional and academic career aspirations. This program is also beneficial for public school teachers of orchestras and wind bands who want to strengthen their skills.

There are three tracks within this concentration.

The wind band track is designed to meet the needs of the conductor focusing on band conducting. Required courses are specific to conducting wind bands, and elective courses can be taken for further band study.

The orchestral track is designed to meet the needs of the conductor who focuses on orchestral conducting. Required courses are specific to orchestral conducting, and elective courses provide additional opportunities for further orchestral study.

The music theatre track is geared toward aspiring conductors with strong keyboard or piano skills who are eager to learn the wide range of skills necessary for a successful career as a professional music director. This competitive program admits only one student per year and includes study of both opera and musical theatre repertoire. Students in this program must conduct two productions during their studies at ASU.

**Degree Requirements:**

32 credit hours including a written exam and the required capstone courses (MUP 596 and MUP 597).

**Wind Band Track**

Required Core (14 credit hours)

Required Track (11-12 credit hours)

Electives or Research (4-5 credit hours)

**Orchestral Track**

Required Core (15 credit hours)

Required Track (11-12 credit hours)

Electives or Research (3-4 credit hours)

Culminating Experience (2 credit hours)

MUP 596 Solo Performance (1)

MUP 597 Solo Performance (1)

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs may be found on the check sheets: <https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate>
- School of Music application (including a resume, personal statement and repertoire list): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- prescreening video
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency; information is available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses or their equivalents may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture

MHL 341 Music History I

MHL 342 Music History II

MTC 125 Basic Music Theory

MTC 221 Music Theory: 18th Century

MTC 222 Music Theory: 19th Century

MTC 223 Music Theory: 20th Century

Applicants should see the program website for application deadlines. After an applicant's complete application materials have been received (including recommendation letters, transcripts and English proficiency requirements) and a review has been conducted of prescreening materials, the applicant may be invited for a live audition. Information about the audition component may be found at <https://music.asu.edu/admissions/graduate-auditions>.

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Music

<https://music.asu.edu/degree-programs/conducting>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## Performance (Music Theatre/Opera Performance), MM (FAMUTPOMM)

**Online Degree Search Title:** Music Theatre/Opera Performance, MM

**Campus:** Tempe

#### Program Description:

The MM program in performance with a concentration in musical theatre and opera performance provides students the opportunity to choose from two specific emphases: opera or musical theatre. Students have ample opportunities to study both musical theatre and opera.

The opera emphasis provides intensive practical training and performance experience to prepare students for professional careers in opera. In addition to studio voice instruction and advanced work in acting, movement, audition techniques, career skills and vocal coaching, students study standard and contemporary operatic repertoire and are required to perform roles in at least two ASU opera and musical theatre productions.

The musical theatre emphasis provides intensive practical training and performance experience to prepare students for professional careers as musical theatre artists. In addition to studio voice instruction and advanced work in acting, dance, movement, audition techniques, career skills and vocal coaching, students study repertoire from the traditional and contemporary musical theatre canon and are required to perform roles in at least two ASU opera and musical theatre productions.

**Degree Requirements:**

32 credit hours and a written comprehensive exam.

The credit requirements for the concentrations in music theatre performance and opera performance are as follows:

studio instruction (8 credit hours)

courses in specified emphasis (12 credit hours)

music history, music theory and electives (12 credit hours)

Opera Emphasis: Sixteen credit hours or four semesters of college-level credit in more than one foreign language, chosen from French, German or Italian, are required for graduation. In addition, placement tests in both foreign language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

Music Theatre Emphasis: A placement test in sight-singing is required upon entry into the program. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

The credit requirements for the degree in music theatre performance direction are as follows:

piano studio instruction (4 credit hours)

courses in emphasis (15 credit hours)

music history, music theory and electives (13 credit hours)

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information about degree requirements for all graduate music programs may be found on the check sheets.

<https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume, personal statement and repertoire list): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
  - official transcripts
  - prescreening video
  - three letters of recommendation
  - proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are

required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or the equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture

MHL 341 Music History I

MHL 342 Music History II

MTC 125 Basic Music Theory

MTC 221 Music Theory: 18th Century

MTC 222 Music Theory: 19th Century

MTC 223 Music Theory: 20th Century

Students should see the program website for application deadlines. After an applicant's complete application has been received, including recommendation letters, transcripts and proof of English proficiency, and review has been conducted of prescreening materials, the applicant may be invited for a live audition. Information about the audition can be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

**Contact Information:**

Design & the Arts, Herberger Institute for

School of Music

<https://music.asu.edu/music-theatre-and-opera>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## Performance (Performance Pedagogy), MM (FAPPEDMM)

**Online Degree Search Title:** Performance Pedagogy, MM

**Campus:** Tempe

**Program Description:**

The MM program in performance with a concentration in performance pedagogy concentrates on the performance and teaching of Western art music, with an emphasis on pedagogy. Students work on specific performance skills while developing the knowledge and abilities to be music pedagogues in their area. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Over the course of the program, the candidate will prepare two recitals: one solo or lecture recital and one studio recital by the candidate's laboratory pupils.

**Degree Requirements:**

32 credit hours and a written comprehensive exam.

The credit requirements for the degree are distributed as follows:

studio instruction (8 credit hours)

concentration courses, including one solo or lecture recital and one studio recital (8-12 credit hours)

music history, music theory and electives (12-16 credit hours)

Vocalists: Sixteen credit hours or four semesters of college-level credit in more than one foreign language, chosen from French, German or Italian, are required for graduation. In addition, placement tests in both foreign language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs can be found on the check sheets. <https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume, personal statement and repertoire list): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
- official transcripts
- three letters of recommendation
- voice applicants: a prescreening video
- piano applicants: a teaching demonstration video
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of complete application materials and, when applicable, favorable review of prescreening materials. Information about the audition may be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses or the equivalents may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture

MHL 341 Music History I

MHL 342 Music History II

MTC 125 Basic Music Theory

MTC 221 Music Theory: 18th Century

MTC 222 Music Theory: 19th Century

MTC 223 Music Theory: 20th Century

Voice applicants: Students should see the program website for application deadlines. After receipt of complete application materials, including recommendation letters, transcripts and proof of English proficiency, and review of prescreening materials, an applicant may be invited for a live audition.

Instrumental and keyboard applicants: Students should see the program website for application deadlines. After an applicant's complete application materials have been received (including recommendation letters, transcripts and proof of English proficiency), the applicant will be confirmed for a live audition.

**Contact Information:**

Design & the Arts, Herberger Institute for

School of Music

<https://music.asu.edu/degree-programs>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## Performance (Performance), MM (FAPERF3MM)

**Online Degree Search Title:** Music Performance, MM

**Campus:** Tempe

**Program Description:**

The MM program in performance concentrates on the performance and teaching of Western art music with an emphasis in performance. Students work on specific skills for their instruments while developing the knowledge and abilities to become leaders in the music community. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

**Degree Requirements:**

32 credit hours and a written comprehensive exam.

The credit hour requirements for the degree are distributed as follows:

studio instruction (8 credit hours)

concentration courses (including two public performances) (8-9 credit hours)

music history, music theory and electives (15-16 credit hours)

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Vocalists: Sixteen credit hours or four semesters of college-level credit in more than one foreign language, chosen from French, German or Italian, are required for graduation. In addition, placement tests in both foreign-language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

Additional information about degree requirements for all graduate music programs may be found on the check sheets.

<https://music.asu.edu/degree-programs/graduate/> (<https://music.asu.edu/degree-programs/graduate/>)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music application (including a resume, personal statement and repertoire list): <https://music.asu.edu/admissions/graduate-steps-to-apply> (<https://music.asu.edu/admissions/graduate-steps-to-apply>)
  - official transcripts
  - prescreening video (voice applicants)
  - three letters of recommendation
  - proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency (<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of completed application materials and, when applicable, a favorable review of prescreening materials. Information about the audition may be found at <https://music.asu.edu/admissions/graduate-auditions> (<https://music.asu.edu/admissions/graduate-auditions>).

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses or their equivalents may be taken at ASU, another accredited university or a community college, and they may be taken before or after admission to this program but must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 341 Music History I  
MHL 342 Music History II  
MTC 125 Basic Music Theory  
MTC 221 Music Theory: 18th Century  
MTC 222 Music Theory: 19th Century  
MTC 223 Music Theory: 20th Century

Voice Applicants: Students should see the program website for application deadlines. After receipt of completed application, including recommendation letters, transcripts and proof of English proficiency, and review of prescreening materials, an applicant may be invited for a live audition.

Instrumental and Keyboard Applicants: Students should see the program website for application deadlines. After an applicant's complete application materials have been received, including recommendation letters, transcripts, and proof of English proficiency, the applicant is confirmed for a live audition.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Socially Engaged Practice in Design and the Arts (Certificate), Certificate (HISEPGRCT)

**Online Degree Search Title:** Socially Engaged Practice in Design and the Arts (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate in socially engaged practice in design and the arts centers around participation, reciprocal relationships and collaborations in which art and design promote civic dialogue and investigate pressing issues of the day.

This program provides a theoretical framework, rigorous training and field experience in arts and design in civic and applied settings. With a focus on collaborative and cross-disciplinary approaches, students engage meaningfully in community settings in the metropolitan Phoenix area, pushing their personal artistry and creative capacities.

**Degree Requirements:**

15 credit hours including the required applied project course (ART 593 or AME 593 or DCE 593, or DCE 693, or DSC 593 or DSC 693, or MUP 593 or MUP693, or THP 593 or THP 693).

Required Core (6 credit hours)

ART 542 Art and Community (3) or THP 514 Projects in Community-Based Theatre (3)

HDA 510 Design and the Arts Corps Seminar (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

Applied Project (3)

Additional Curriculum Information

The applied project is a 593 course in AME, DCE, DSC, MUP, THP or a 693 course in DCE, DSC, MUP or THP.

Students should see the academic unit for appropriate elective coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.



All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent
- written recommendation or nomination letter
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students must maintain a 3.50 GPA in the certificate program.

No admission examinations are required.

**Contact Information:**

Design & the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

<https://herbergerinstitute.asu.edu/degree-programs/socially-engaged-practice-design-and-arts-certificate>

GHALL 132

HerbergerSEP@asu.edu

480-965-5337

## Theatre, MA (FATHEAMA)

**Online Degree Search Title:** Theatre, MA

**Campus:** Tempe

**Program Description:**

The MA program in theatre introduces students to graduate study in the field of theatre and performance studies and provides a broad base of knowledge in the areas of history and historiography, theory, literature and dramaturgy, and practice. Students will have the opportunity to tailor their plan of study to specific research and artistic subject areas, and they will prepare a research thesis as the culmination of their studies.

The program is designed for those who wish to later enter a PhD program, for K-12 educators seeking to expand and amplify their expertise, and for those seeking to advance their knowledge of theatre and performance studies.

**Degree Requirements:**

30 credit hours, a thesis and a written comprehensive exam.

Required Courses (15 credit hours)

Electives (9 credit hours)

Culminating Experience (6 credit hours)

THE 599 Thesis (6)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- current curriculum vitae
- sample of scholarly writing
- statement of purpose
- GRE general scores
- three letters of recommendation from professionals familiar with the applicant's work
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should address the student's background and experiences as they relate to the student's reasons for pursuing the doctorate, describe the student's research interests and indicate future career goals.

GRE subject scores are optional.

Applicants should see the program website for application deadlines.

#### Contact Information:

Design & the Arts, Herberger Institute for  
 School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>  
 GHALL 232  
 fdt@asu.edu  
 480-965-5337

## Theatre (Arts Entrepreneurship and Management), MFA (HITHEAEMFA)

**Online Degree Search Title:** Theatre (Arts Entrepreneurship and Management), MFA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The MFA program in theatre with a concentration in arts entrepreneurship and management teaches the skills of arts entrepreneurship, arts management and arts marketing within the context of the Master of Fine Arts degree in theatre, also grounding students in theories of performance, community-based arts, and theatre history and literature. Thus, students develop a holistic understanding of the role of arts managers as enablers of art-making. Students in this program can earn a concurrent certificate in nonprofit leadership and management.

#### Degree Requirements:

60 credit hours including the required applied project course (THP 693), a practicum and an oral comprehensive exam.

Required Core (15 credit hours)

Concentration (27 credit hours)

Electives or Research (12 credit hours)

Other Requirements (3 credit hours)

THP 680 Practicum (2)

THP 684 Internship (1)

Culminating Experience (3 credit hours)

THP 693 Applied Project (3)

## Additional Curriculum Information

Twelve elective credit hours are required for the 60-credit Master of Fine Arts. However, if students elect to pursue the NLM certificate concurrently, then they will need to take an additional three-credit elective course in the nonprofit leadership and management program to complete the certificate and degree requirements.

THP 680 is a one-credit hour course students are required to take twice.

As part of the applied project requirement, students must submit a written document. An oral defense is also required.

Students should see the academic unit for a complete list of approved electives and required coursework for the core and concentration.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

In addition, the School of Film, Dance and Theatre requires a minimum of 30 undergraduate credit hours of coursework in theatre, film, dance, music, art or business with a minimum GPA of 3.20 overall.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- three letters of recommendation
- sample of critical writing (in lieu of GRE scores)
- statement of educational and professional objectives
- sample of materials indicative of the candidate's potential to succeed as an arts entrepreneur or manager that might include but are not limited to publicity materials, marketing plans, budgets, stage management prompt books, grant proposals, business plans
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from professionals who can speak to the applicant's potential for success in arts entrepreneurship or management.

Examples of a critical writing sample include a term paper or research project.

Interviews may be conducted on campus or remotely.

Applicants should see the program website for application deadlines and admission terms.

### **Contact Information:**

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre  
https://filmdancetheatre.asu.edu  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Theatre (Directing), MFA (FADIRMFA)

**Online Degree Search Title:** Theatre (Directing), MFA

**Campus:** Tempe

### Program Description:

The MFA in theatre with a concentration in directing is a program for students who demonstrate serious purpose, professional aspirations, theatrical daring and the desire to explore new work in collaborating with playwrights and in the devising and creation process. Respect for fellow artists and a desire to learn about how all the parts fit together are essential qualities in the successful candidate and the successful director.

Students are introduced to varied critical viewpoints from select artists and scholars. A hands-on, mentor-student approach is emphasized, with the intent of developing the skill, artistry and communication skills required to be an excellent professional director.

### Degree Requirements:

60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project. Practical directing and directing classes are approximately 50 percent of the coursework. Classes also include:

- acting: viewpoints and composition
- assistant directing for a professional or faculty director working on the main stage
- design collaboration
- directing the new play
- dramatic theory and criticism
- dramaturgy
- performance technology
- projects in community-based drama
- re-envisioning
- research methods
- solo performance
- theatre for social change
- theatre history and literature
- theatre organization and management

MFA directors will direct a new work every year. Major assignments may include:

- creating and directing an adaptation of an existing work
- directing a new play by a Master of Fine Arts playwright
- directing one applied project in the main-stage season
- guiding an ensemble in the devising process and directing the resulting devised piece

Directing faculty mentor all student projects. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional internship is required for each Master of Fine Arts director.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- current resume
- written directorial approach to a play selected by the reviewing committee
- three letters of reference from professionals familiar with the student's work
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A personal interview is required. Interviews via phone or campus visit are available by appointment.

Admission to the directing, performance and performance design concentrations is cohort-based, and the program recruits every three years. The next round of applications will not be due until early 2020. Interested students should check back for updates.

Students should see the program website for application deadlines and admission terms.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Theatre (Dramatic Writing), MFA (FADRWRTMFA)

**Online Degree Search Title:** Theatre (Dramatic Writing), MFA

**Campus:** Tempe

**Program Description:**

The concentration in dramatic writing under the MFA in theatre includes coursework in playwriting, screenwriting, historical studies in theatre, dramatic theory, directing new work, literary management, electives and related topics such as writing for solo performance, storytelling, devising and collaborative writing.

The School of Film, Dance and Theatre supports the production of new plays and performance works written by its Master of Fine Arts students. Student-written work is included in the Theatre Labs and is considered for main stage productions.

**Degree Requirements:**

60 credit hours including the required applied project course (THP 693).

Required Core (27 credit hours)

THE 500 Research Methods (3)

THE 504 Studies in Dramatic Theory and Criticism (3)

THE 520 Theatre History and Literature (3)

THP 560 Dramatic Writer's Workshop

THP 561 Scripts in Progress (3)

Concentration (9 credit hours)

THE 562 Literary Management Workshop (3)

THP 520 Directing the New Play (3)

THP 598 Special Topics (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)

THP 693 Applied Project (6)

Additional Curriculum Information

As part of the electives coursework, students are required to complete an internship (THP 684) for three credit hours.

Students should see the academic unit for a complete list of approved electives.

The applied project is the writing of a thesis play, which will be developed as one of the following:

- a full production on the school's main stage
- a staged reading
- a workshop production

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in theatre or in creative writing from a regionally accredited institution. An applicant may have an undergraduate degree outside of theatre or film and may be admitted on the basis of excellent creative writing and academic work. Deficiencies in undergraduate preparation may be removed while pursuing the MFA degree.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation

- current resume
- statement of career goals
- profile of applicant's writing endeavors or interests
- manuscript sample of either a full-length play (60 pages or more) or a series of one-act plays (30 pages minimum)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
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GHALL 232  
fdt@asu.edu  
480-965-5337

## Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)

**Online Degree Search Title:** Theatre (Interdisciplinary Digital Media), MFA

**Campus:** Tempe

#### Program Description:

Interdisciplinary digital media, a concentration of the MFA in theatre, focuses on the growing importance of digital media as a way of making and thinking about art. Courses and research activities prepare students to become sophisticated developers, makers, evaluators and entrepreneurs of digital media while at the same time completing a sequence of core courses in theatre.

This graduate program is offered through the School of Film, Dance and Theatre in collaboration with the School of Arts, Media and Engineering.

#### Degree Requirements:

60 credit hours including the required applied project course (THP 693).

Core School of Arts, Media and Engineering courses, to be selected in consultation with each student's School of Arts, Media and Engineering graduate advisor (minimum of 18 credit hours)

Research and applied project (15 credit hours)

Core courses in theatre theory, history and practice (27 credit hours)

The overall course of study is developed with the advisor to ensure a breadth of transdisciplinary knowledge.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee.
- official transcripts

- current resume
- statement of purpose
- portfolio of materials that support the statement of purpose (writing samples, electronic performance materials, etc.)
- three letters of recommendation from professionals familiar with the applicant's work
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should detail the applicant's background in theatre as well as the applicant's interest in and suitability for work in the interdisciplinary of theatre and digital media.

Applicants should see the program website for application deadlines but should note that for financial aid purposes, the School of Arts, Media and Engineering deadline is February 1.

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Theatre (Performance Design), MFA (FAPERDMFA)

**Online Degree Search Title:** Theatre (Performance Design), MFA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

ASU offers a strenuous and innovative MFA program in theatre with a concentration in performance design that focuses on a nontraditional approach to design training in preparation for the theatrical design challenges of the future. The design student works with an ensemble of designers, directors and performers to create new projects that redefine the role of the traditional designer.

Skills for approaching and creating new work include:

- design applications in multimedia
- development of artistic entrepreneurship and integrity
- drafting and computer imaging
- new work development

Performance design students work in multiple venues, including the 481-seat Galvin Playhouse, 164-seat Lyceum Theatre, two studios and one experimental space. In addition, students work in the shops, a design studio and a computer-imaging lab.

Admission to the directing, performance and performance design concentrations is cohort-based.

#### Degree Requirements:

60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project.



- Academic and artistic progress is evaluated at the end of each semester by a faculty committee.
- A professional internship is required and can be fulfilled anytime after the first year of study.
- Students conclude with an applied ensemble design project suited to their needs and interests.
- The first year is dedicated to creating an ensemble as well as honing the skills needed to visually communicate ideas to a director and audience.
- The second year concentrates on new work development that will culminate in a tour. This year also concentrates on strengthening design abilities.
- The third year serves as a bridge between the educational and professional theatre and the communities they serve.

Program continuation is contingent upon a successful review.

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic writing sample
- current resume
- portfolio of 10 samples of visual work to be presented at interview
- three letters of recommendation from professionals familiar with the student's work
- written statement of purpose
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants also will be required to do an interview.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice.

Students should see the program website for application deadlines and admission terms.

**Contact Information:**

Design & the Arts, Herberger Institute for  
 School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>  
 GHALL 232  
 fdt@asu.edu  
 480-965-5337

## Theatre (Performance), MFA (FAPERFMFA)

**Online Degree Search Title:** Theatre (Performance), MFA

**Campus:** Tempe

### **Program Description:**

The MFA program in theatre with a concentration in performance re-envisions the role of the artist in society who focuses on the devising and development of new work. The program stresses the actor-creator model and fosters the conceptual thinker and collaborator through the development of skills for the artistic entrepreneur and the innovation of performance applications in multimedia and transdisciplinary collaboration that is informed by artistic integrity and social responsibility.

The school offers multiple approaches to new work development:

- connected motion
- devising
- Fitzmaurice voicework
- Lecoq
- new play development
- performance technology
- rasaboxes
- solo and collaborative performance
- Viewpoints

In addition to core physical and vocal training, the program hosts a rich variety of guest artists each semester and offers undergraduate-level teaching opportunities, study abroad opportunities, funding for national and international conference travel, and career development internship opportunities.

During the third year of study, candidates conduct professional career development internships. In the past, students have completed internships at:

- Chicago Dramatist Theatre
- Cleveland Playhouse
- Dah Theatre, Belgrade, Serbia
- Hartford Stage
- North Coast Rep
- One Yellow Rabbit
- SIT! Company
- Syntetic Theatre
- Theatre L'Homme Dieu
- The Bali Purnati Art Centre
- Victory Gardens

Eight performers will be admitted to the cohort every three years.

**Degree Requirements:**

60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project.

The first year is dedicated to intensive movement; acting and Fitzmaurice voice training; and ensemble-building and devising with a focus on Lecoq, Rasaboxes, Viewpoints and Meisner. The year culminates in a final site-specific showcase performance.

Second-year training provides opportunities for students to explore their work in a wide range of performance modalities such as community-embedded drama, performance art, solo performance, performance and technology, devising and working with guest artists. Performers collaborate with the MFA designers, directors and playwrights to devise a new scripted performance for the mainstage season.

The third year culminates in an applied performance project, serving as a bridge between the educational and professional worlds and the communities they serve.

Students conclude their graduate studies with an applied performance project specifically suited to their needs and interests. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional career development internship is required.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- statement of purpose
- academic writing sample
- three letters of recommendation from professionals familiar with the student's work
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice.

Applicants will need to do an interview, either on campus or at one of the university or resident theatre association sites, and an audition.

Students should see the program website for application deadlines and admission terms.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>

## Theatre (Theatre For Youth), MFA (FAYOUTHMFA)

**Online Degree Search Title:** Theatre for Youth, MFA

**Campus:** Tempe

### **Program Description:**

The internationally recognized theatre for youth MFA program at ASU features distinguished faculty, excellent facilities, comprehensive coursework and practical experiences in all areas of theatre, educational theatre, community cultural development and theatre for youth. The faculty provide students individualized attention and focused mentorship in a challenging and supportive atmosphere designed to educate future leaders in the field.

Students enrolled in the Master of Fine Arts program in theatre for youth complete their course of study equipped to be engaged and innovative leaders in artistry, scholarship, education and activism. Graduates are prepared for careers that include teacher of artistry, directing and education directing; specialist in arts and civic organizations; teacher in elementary, secondary and tertiary education systems; and careers in social profit organizations and in arts entrepreneurship.

### **Degree Requirements:**

60 credit hours including the required applied project course (THP 693), a written comprehensive exam and an oral comprehensive exam.

This is a three-year program. Required core courses are supplemented by elective courses in an emphasis area. The emphasis areas prepare students for careers in professional theatre, as artists or education directors, specialists in arts organizations, or as teachers in elementary or secondary education. An internship with a professional theatre company, school or arts organization and a final applied project complete the program.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current curriculum vitae
- statement of purpose
- curated arts portfolio
- three letters of recommendation
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A highly competitive program, this degree accepts only a small number of students each year in order to provide highly individualized attention.

The statement of purpose should clearly explain the applicants aesthetic and educational philosophies and future career goals. After reading the statement, the faculty should understand not only the applicant's current passions but also why the theatre for youth program at ASU would be an appropriate fit to meet the student's educational, practical and scholarly goals. The program accepts thoughtful, well-informed artists, scholars,

educators and citizens.

The applicant's portfolio should highlight previous work accomplished. Online portfolios are preferred.

The three letters of recommendation should be from professionals familiar with the applicant's work.

High-ranking applicants will be invited to a group interview date, normally scheduled on the first Friday of February.

Applicants should see the program website for application deadlines.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Theatre (Theatre For Youth), PHD (FAYOUTHPHD)

**Online Degree Search Title:** Theatre for Youth, PhD

**Campus:** Tempe

**Program Description:**

The internationally recognized theatre for youth PhD program at ASU features distinguished faculty, excellent facilities, and comprehensive coursework, research guidance and practical experiences in all areas of theatre, educational theatre, community cultural development and theatre for youth. Students receive individualized attention and focused mentorship in a challenging and supportive atmosphere designed to educate future leaders and researchers in the field.

The program's doctoral students complete their course of study equipped to be engaged, thoughtful and innovative leaders in artistry, scholarship, education and research. Graduates are prepared for careers that include teaching artistry, directing and education directing; specialist in arts and civic organizations; member of university and college faculty; a career in social profit organizations; and careers in arts entrepreneurship, research and publishing programming.

**Degree Requirements:**

90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (30 credit hours)

Research (12 credit hours)

THE 792 Research (12)

Research Methodology (6 credit hours)

Culminating Experience (12 credit hours)

THE 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as community-based theatre, theatre education, theatre for social change, theatre history, theatre theory and criticism, and tutorial courses.

Students also may take courses outside the School of Film, Dance and Theatre in areas such as aesthetic theory, area studies, children's literature, critical and cultural studies, educational theory and methodology, languages and literatures, arts education, policy research, and democracy studies.

Research methodology coursework is chosen in consultation with the supervisory committee. Where appropriate, the supervisory committee may approve certification of literacy in a foreign language as meeting the research methodology requirement. This approval is granted only in those

circumstances wherein fluency in that language is necessary for the dissertation research.

**Additional Curricular Requirements:**

- ongoing reviews of a student's performance in courses and development of research skills, artistic skills and teaching competencies conducted by the supervisory committee at the end of each semester
- comprehensive examinations composed of written and oral components centering on theatre history, literature and criticism, theatre for youth and theatre education and the research area
- dissertation developed from an approved prospectus, based on original research work of high quality, demonstrating proficiency in the student's special field and adding new knowledge

All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School of Film, Dance and Theatre.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in theatre or education from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE exam scores
- interview
- curriculum vitae
- sample of scholarly writing
- statement of purpose
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should explain the applicant's research, artistic and educational philosophies and goals as appropriate to the applicant's desired focus in the doctoral program and how study in the ASU theatre for youth program might particularly suit these goals and philosophies.

Three letters of recommendation from professionals familiar with the applicant's work should address, specifically, the applicant's potential for success in a doctoral program.

Students should see the program website for application deadlines.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>

## Theatre (Theatre/Performance Americas), PHD (FAPERAMPHD)

**Online Degree Search Title:** Theatre (Performance America), PhD

**Campus:** Tempe

### Program Description:

The PhD in theatre with a concentration in theatre and performance of the Americas is a program that trains scholars to examine the histories, theories and practices associated with cultural performance from a hemispheric point of view.

Through coursework, seminars, research and study opportunities, doctoral students work from diverse critical perspectives that mobilize thought across geographical and disciplinary borders. They develop skills to re-examine and interrogate the canon of theatre as text and as performance, expanding the traditional boundaries of theatre studies in two ways: via a perspective that considers the shared histories and practices of theatre and performance in the Americas as central to an intervention in traditionally narrated histories and theories of theatre and via the methodologies of cultural and performance studies that accommodate other forms of embodied expression related to but distinct from formal theatrical expression.

The course of study is designed to provide substantive historical and theoretical grounding in the field while allowing flexibility in the choice of specialized seminar and practical experiences. The first year of study immerses students in the theoretical and practical groundwork of performance research, in general, and modalities of performance in the Americas, in particular. In the second year, students build on research interests identified in the first year through specialized coursework and practical experience.

### Degree Requirements:

90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

Electives (12 credit hours)

Research (12 credit hours)

THE 792 Research (12)

Culminating Experience (12 credit hours)

THE 799 Dissertation (12)

### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

Two of the electives courses must come from outside the school (as approved by the supervisory committee).

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as community-based theatre, dramaturgy, theatre for social change, theatre history, theatre theory and criticism, and related topics seminars.

Students also may take courses outside the School of Film, Dance and Theatre in areas such as critical and cultural studies, area studies, languages and literatures, and aesthetic theory. All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

**Preliminary Reviews:** Reviews of the student's performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

### Comprehensive Examinations:

Examinations are composed of written and oral components centering on theatre history, literature and criticism, theatre and performance of the Americas and the research area.

### Dissertation Requirements:

A dissertation based on original high-quality research work demonstrating proficiency in the student's special field is required.

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in a relevant area from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's program and a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- curriculum vitae
- GRE scores
- sample of scholarly writing
- statement of purpose
- three letters of recommendation from professionals familiar with the student's work
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should address the student's background and experiences as they relate to the student's reasons for pursuing the doctorate, and it should describe the student's research interests and indicate future career goals.

An interview is strongly recommended.

Students should see the program website for application deadlines.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>  
GHALL 232  
fdt@asu.edu  
480-965-5337

**Urban Design, MUD (ARMUDMUD)**

**Online Degree Search Title:** Urban Design, MUD

**Campus:** Tempe

**Program Description:**

The MUD is a transdisciplinary postprofessional graduate program in The Design School. Students study newly emerging research and applied practices from the disciplines of architecture, landscape architecture, ecology, law, civil engineering, planning, public programs, systems theory and real estate development.

The curriculum is built around the analysis and understanding of contemporary urban conditions specific to rapidly urbanizing and arid regions of the world. The program leverages a number of local factors --- the rapidly expanding Phoenix metropolis, the arid climate, and the area's cultural diversity --- in the development of responsible global initiatives and innovative design strategies for urban environments.

**Degree Requirements:**

45 credit hours and a thesis, or 45 credit hours including the required applied project course (MUD 593), or 45 credit hours including the required



capstone course (MUD 622).

Students should see the academic unit for the course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- three references
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English is required to submit proof of English Proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Applicants who hold a studio-based four-year undergraduate design degree will be considered for the two-year MUD program. The Master of Urban Design is a postprofessional program.

Applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU in a studio-based design discipline.

The portfolio, letter of intent and contact information for three references need to be submitted to SlideRoom (<https://asudesign.slideroom.com/#/Login> (<https://asudesign.slideroom.com/#/Login>)). The Design School requires that these be submitted in addition to the graduate admission application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. This may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome, and the candidate should make arrangements by contacting the department.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

**Online Degree Search Title:** Visual Communication Design, MVCD

**Campus:** Tempe

**Program Description:**

The MVCD is a studio-based degree program. Students in this program work on strategic visual communication design projects with a focus on the development of visual language systems firmly grounded on the principles of information design, typography and interaction design. Students engage in visual and theoretical research, ideation, visualization, prototyping and testing of creative solutions that address critical problems faced in the contemporary visual world.

Graduates of this program are adept in working with fundamental principles of visual communication design, emotional intelligence and systems thinking in problem identification and its appropriate contextual solutions. They pursue professional practice in visual communication and multimedia industry as well as in academia.

**Degree Requirements:**

60 credit hours including the required capstone course (GRA 622).

Required Core (43 credit hours)

Electives (6 credit hours)

Other Requirement (6 credit hours)

GRA 581 Internship in Teaching Design (3)

GRA 584 Internship (3)

Culminating Experience (5 credit hours)

GRA 622 Advanced Visual Communication Design Studio IV (5)

**Additional Curriculum Information**

The Master of Visual Communication Design program includes sequential studio courses. Requirements involve an average of 14 credit hours per semester. A summer internship is required during the summer prior to the final year.

The three-plus-year program adds the following requirement to the plan of study: deficiency courses (42 credit hours).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students should see below for information on the qualifications for a two-year program of study or a three-plus-year program of study.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- additional required application items submitted to SlideRoom (see below)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Additional information can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

A portfolio, letter of intent, resume, and contact information for three references need be submitted to SlideRoom (<https://asudesign.slideroom.com/#/Login> (<https://asudesign.slideroom.com/#/Login>)). The Design School requires that these be submitted in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred. Students must enroll in the semester for which they are admitted; otherwise, they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the Academic Catalog Archive 2019-2020

department.

#### Admission Requirements to the Two-Year Program

All applicants must have completed a minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in visual communication design or graphic design.

#### Admission Requirements to the Three-Plus-Year Program

All applicants must have earned a bachelor's degree (or equivalent) in a field other than in visual communication design or graphic design.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. This may cause the student to take longer than two years to complete the program.

#### Contact Information:

Design & the Arts, Herberger Institute for

The Design School

<https://design.asu.edu>

CDN 162

[designgrad@asu.edu](mailto:designgrad@asu.edu)

480-965-3536

## Engineering, Ira A. Fulton Schools of

### Aerospace Engineering, MS (ESAEROSPMS)

**Online Degree Search Title:** Aerospace Engineering, MS

**Campus:** Tempe

#### Program Description:

The MS program in aerospace engineering prepares engineers for doctoral study or industrial positions that specialize in research, project management and product innovation in aerospace engineering. The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aerospace Engineering (Aeronautics), BSE
- Aerospace Engineering (Astronautics), BSE
- Aerospace Engineering (Autonomous Vehicle Systems), BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Major Area of Emphasis (12 or 15 credit hours)

Electives (6 or 9 credit hours)

Mathematics (6 credit hours)

Culminating Experience (0 or 6 credit hours)

MAE 599 Thesis (6) or  
portfolio (0)

#### Additional Curriculum Information

The aerospace engineering Master of Science program offers two culminating experience options: a thesis option and a nonthesis (portfolio) option.

All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the thesis option.

The plan of study must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of courses at the 500 level and above, with a minimum cumulative GPA of 3.00 or above.

Students completing a portfolio for the culminating experience must complete at least 15 credit hours of graduate MAE coursework (500 level and above) for the major area of emphasis requirement. An additional three credit hours of elective coursework (for a total of nine credit hours) is also required.

Coursework for the major area of emphasis is restricted to MAE coursework.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a minimum score of 80 on the internet-based TOEFL.

Admission to the aerospace engineering graduate program is highly competitive.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review, and admission is not guaranteed.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-graduate/>  
ECG 207  
semtegrad@asu.edu  
480-965-4979

## **Aerospace Engineering, PHD (ESAERSPPHD)**

**Online Degree Search Title:** Aerospace Engineering, PhD

**Campus:** Tempe

#### **Program Description:**

The PhD in aerospace engineering emphasizes original research and provides students with a strong background for employment by academic institutions, government laboratories and industrial research laboratories with a focus on aerospace engineering. The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy. Modern computational and laboratory facilities are available to support timely research investigations.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

All students pursuing the PhD are required to pass both a qualifying and a comprehensive examination administered by the program committee. In addition, the following are required:

coursework directly related to the research area (18)  
mathematics (9)  
graduate courses outside the major research area (9)  
MAE 792 Research MAE 799 Dissertation credit hours (12)

Students in the doctoral program who have not completed an MS degree previously will be allowed to apply for a Master of Science in Passing after successfully completing the comprehensive exams.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from an accredited U.S. or international institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a minimum of score of 80 on the internet-based TOEFL.

Admission to the aerospace engineering doctoral program is highly competitive and preferred applicants have an undergraduate or MS degree in aerospace engineering or mechanical engineering. The admission process considers all aspects of the student's application. The typical successful applicant has at least a 3.25 cumulative GPA (scale is 4.00 = "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE and TOEFL scores.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-graduate/>  
ECG 207  
semtegrad@asu.edu  
480-965-4979

## Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAEPEETMA)

**Online Degree Search Title:** Applied Ethics (Ethics and Emerging Technologies), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The purpose of the MA program in applied ethics with a concentration in ethics and emerging technologies is to examine ethical challenges posed by emerging technologies, including nanotechnology, neurotechnology, biotechnology, robotics and advanced information and communication technology. Not only are these technologies being developed at an unprecedented pace, they also share several unique characteristics, including system complexity, social embeddedness and the potential to converge with one another. Emerging technologies will change how humans live and work and have the potential to alter the very nature of human existence. Challenges considered by courses in the program include:

- emerging technologies and public policy
- ethical responsibilities of professionals engaged in development of emerging technologies
- promise and perils of emerging technologies
- whether traditional ethical concepts and processes can and should be applied to emerging technologies

**Degree Requirements:**

30 credit hours including the required applied project course (AEP 593).

Required Core (6 credit hours)

Concentration (3 credit hours)

Elective (15 credit hours)

Culminating Experience (6 credit hours)

AEP 593 Applied Project (6)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores sent directly to Graduate Admission Services
- statement of interest in applied ethics and career goals
- three letters of recommendation

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must demonstrate proficiency in the English language by meeting the Graduate College English proficiency requirements. Applicants required to demonstrate English proficiency and who are seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 School of Sustainable Engineering & Built Environment  
<https://graduate.engineering.asu.edu/graduate-programs/>  
 ECG 251  
 sebe.advising@asu.edu  
 480-965-0595

**Biological Design, PHD (GCBDSPHD)**

**Online Degree Search Title:** Biological Design, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in biological design seeks to develop a new type of scientist by training students in core disciplines related to biomedicine and biotechnology while simultaneously preparing them to participate successfully in the interdisciplinary research teams of the future.

The research emphasis is on projects that are use-inspired, contributing directly to solutions for important societal challenges. This is a highly mentored program of personalized study that provides significant interaction with the large and vibrant local research community.

There are four key distinguishing features of the curriculum:

- a personalized plan of study that allows students to explore the disciplinary and interdisciplinary areas of greatest interest
- encouragement to choose dissertation research projects that are use-focused, contribute to solving a large-scale challenge and promise rich transdisciplinary experiences
- opportunities to participate in a proseminar format to encourage broad research interactions and discuss problems and challenges in biological design research
- three 10-week laboratory rotations during the first year of study

Rotations can be in any ASU laboratory that is centered largely on biological research.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

BDE 702 Fundamentals of Biological Design II (3)

Other Requirements (2 credit hours)

BDE 598 Special Topics: Biological Design Seminar (1)

BDE 791 Seminar: Biological Design Proseminar (1)

Electives and Research (67 credit hours)

Culminating Experience (12 credit hours)

BDE 799 Dissertation (12)

Additional Curriculum Information

Other requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

For GRE test scores, the institution code for ASU is 4007 and the departmental code is 0000. Subject test scores are also recommended but not required.

Three letters of recommendation relative to the candidate's academic career are required. The personal statement should reflect the candidate's career and educational goals and should explain why the candidate is interested in pursuing this degree. The resume should include prior research

and employment experience, honors, awards, memberships held, publications, etc.

For additional admission requirements, including transcripts, fees and international application requirements, students should see the Graduate Admission Services website.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Harrington Bioengineering Program  
<https://sbhse.engineering.asu.edu/biologicaldesign/>  
ECG 334  
sbhse-advising@asu.edu  
480-965-3028

## Biomedical Engineering, MS (ESBIOENMS)

**Online Degree Search Title:** Biomedical Engineering, MS

**Campus:** Tempe

**Program Description:**

The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the MS in biomedical engineering.

Areas of study include:

- biomaterials, biosensors, biomarkers and biomimetic materials
- biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

Biomedical engineering offers an accelerated BSE and MS in the biomedical engineering degree program for students in the Bachelor of Science in Engineering program who have maintained a GPA of 3.50 (scale is 4.00 = "A") into their junior year. The program allows up to 12 credit hours of graduate-level coursework taken as technical electives during the senior year to be applied toward both the undergraduate and graduate degrees.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biomedical Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (BME 593).

All candidates pursuing a master's degree in biomedical engineering are required to complete an approved plan of study. Special course requirements for the different areas of study are established by the faculty.

A candidate whose undergraduate degree is in a field other than biomedical engineering may be required to complete more than the required credit hours of the program of study.

The following are program requirements for the applied project option:

biomedical engineering coursework (13)  
biomedical engineering seminar (2)  
general electives (6)  
quantitative electives (6)  
applied project (3)

The following are program requirements for the thesis option:

biomedical engineering coursework (9)  
biomedical engineering seminar (3)  
general electives (6)  
quantitative electives (6)



thesis (6)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- resume or curriculum vitae
- a statement of purpose
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Harrington Bioengineering Program

<https://sbhse.engineering.asu.edu/>

ECG 334

[sbhse-advising@asu.edu](mailto:sbhse-advising@asu.edu)

480-965-3028

## Biomedical Engineering, PHD (ESBIOENPHD)

**Online Degree Search Title:** Biomedical Engineering, PhD

**Campus:** Tempe

**Program Description:**

The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the PhD in biomedical engineering.

Areas of study include:

- biomaterials, biosensors, biomarkers and biomimetic materials
- biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

The doctoral degree in biomedical engineering is conferred upon evidence of excellence in research resulting in a scholarly dissertation that is a contribution to knowledge.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Bioengineering Courses (at least 18 credit hours)

Doctoral students are required to complete six credit hours from each of the following three areas:

BME graduate courses (BME prefix) (6)

life science/biology graduate courses (6)

quantitative math or engineering (6)

Other Requirement (3 credit hours)

BME 780 Teaching Practicum (3)

Technical Electives

No fewer than nine credit hours of coursework (as determined by the student's supervisory committee) must be selected from the list of 400- to 700-level courses that are not selected as required BME courses.

Research (37 credit hours)

BME 792 Research (37)

Seminar (5 credit hours)

BME 591 Seminar (5)

Culminating Experience (12 credit hours)

BME 799 Dissertation (12)

Additional Curricular Requirements

Up to six credit hours of the required biomedical engineering courses and technical electives combined may be at the 400 level.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- a statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should view the School of Biological and Health Systems admissions checklist on the Arizona State University website for specific admission procedures and deadlines.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Harrington Bioengineering Program  
<https://sbhse.engineering.asu.edu/>

ECG 334  
sbhse-advising@asu.edu  
480-965-3028

## Chemical Engineering, MS (ESCHEMEMS)

**Online Degree Search Title:** Chemical Engineering, MS

**Campus:** Tempe

### Program Description:

The chemical engineering faculty offer a graduate program leading to the MS in chemical engineering.

Areas of research emphasis include but are not limited to:

- atmospheric aerosols
- biomolecular engineering
- biosensors
- chemical therapies for neurodegenerative diseases
- composite material synthesis and characterization
- electrochemistry
- electronic materials processing
- engineering education
- flexible display technology
- fuel cells
- inorganic membranes
- process design and operations
- protein synthesis
- surface, interface and colloidal science
- transport phenomena in living systems
- water purification

A graduate handbook detailing information on graduate studies in chemical engineering is available on the school website. For additional details, students should contact the Graduate Advising Office in the School for Engineering of Matter, Transport and Energy.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Chemical Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

33 credit hours and a thesis, or 33 credit hours including the required applied project course (CHE 593).

Required Core (9 credit hours)

CHE 533 Transport Processes I (3)

CHE 543 Thermodynamics of Chemical Systems (3)

CHE 544 Chemical Reactor Engineering (3)

Technical Electives (15 or 18 credit hours)

Other Requirement (3 credit hours)

CHE 591 Seminar (3)

Culminating Experience (3 or 6 credit hours)

CHE 593 Applied Project (3)

CHE 599 Thesis (6)

Additional Curriculum Information

This degree has two options: a thesis option and a nonthesis option. The nonthesis option requires an applied project. Both options require a faculty advisor. All students are admitted to the nonthesis option until a faculty advisor has been secured and agrees to allow the student to change to the thesis option.

The composition of technical electives depends on the student's final culminating experience. At least one technical elective course of three credit

hours must be taken outside of chemical engineering, and the academic unit must approve all elective coursework in order for the credits to be utilized on the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a minimum score of 90 on the internet-based TOEFL.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review, and admission is not guaranteed.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Chemical Engineering Program  
<https://semte.engineering.asu.edu/chemical-graduate/>  
ECG 207  
semtegrad@asu.edu  
480-965-4979

## Chemical Engineering, PHD (ESCHEMEPHD)

**Online Degree Search Title:** Chemical Engineering, PhD

**Campus:** Tempe

**Program Description:**

The PhD in chemical engineering has areas of research emphases in:

- atmospheric aerosols
- biomolecular engineering
- biosensors
- chemical therapies for neurodegenerative diseases
- electrochemistry
- electronic materials processing
- engineering education
- flexible display technology
- fuel cells
- inorganic membranes
- process design and operations
- protein synthesis
- polymers and polymer composites
- surface, interface and colloidal science
- transport phenomena in living systems
- water purification

A graduate handbook detailing information on graduate studies in chemical engineering is available through the Graduate Advising Office of the School for Engineering of Matter, Transport, and Energy.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

CHE 533 Transport Processes I (3)

CHE 543 Thermodynamics of Chemical Systems (3)

CHE 544 Chemical Reactor Engineering (3)

Technical Electives (18 credit hours)

Other Requirements (5 credit hours)

CHE 591 Seminar (5)

Research (12 credit hours)

CHE 792 Research (12)

Additional Research/Electives (28 credit hours)

Culminating Experience (12 credit hours)

CHE 799 Dissertation (12)

Additional Curriculum Information

Technical electives are from within or outside the chemical engineering program.

**Admission Requirements:**

Applicants must fulfill both the requirements of the Graduate College and those of the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) is required to achieve a minimum score of 100 on the internet-based TOEFL.

Students should see the program website for application deadlines.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Chemical Engineering Program

<https://semte.engineering.asu.edu/chemical-graduate/>

ECG 207

semtegrad@asu.edu

480-965-4979

**Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)**

**Online Degree Search Title:** Civil, Environmental, and Sustainable Engineering, MS

**Campus:** Tempe

**Program Description:**

The faculty in civil, environmental and sustainable engineering offer a graduate program leading to an MS in civil, environmental and sustainable engineering. The program is designed to enhance the knowledge gained in the undergraduate program by requiring students to understand and practice fundamental concepts in engineering, mathematics and the basic sciences.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and on the program's website. Students are admitted to one of the following specialty areas in engineering: environmental, geotechnical, hydrosystems, structural, sustainable or transportation.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil Engineering, BSE
- Civil Engineering (Environmental Engineering), BSE
- Civil Engineering (Sustainable Engineering), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours and an applied project (CEE 593).

All candidates for the master's degree thesis option are required to complete 24 credit hours of approved graduate coursework and a minimum of six credit hours of CEE 599 Thesis. The written thesis must be original research in nature. Additional courses may be assigned by the graduate supervisory committee, depending on the background of the candidate. A final oral examination in defense of the thesis written work is required.

Candidates in the applied project option must complete 27 credit hours of approved graduate coursework and three credit hours of CEE 593 Applied Project.

Candidates in the comprehensive exam option must complete 30 credit hours of approved graduate coursework and complete a written comprehensive exam.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to this program if they have earned a bachelor's or master's degree with a major in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program. Applicants with a lower GPA may be admitted provisionally at the discretion of the admission committee.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree program are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Prospective students should note the following two requirements need to be met for consideration for admission: minimum score in the quantitative section of 155 and minimum combined score for the quantitative and verbal sections of 301. More information regarding how to send official GRE scores is on the Graduate Admission Services website.

Applicants are encouraged to submit a resume and personal statement.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/graduate/civil/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)

**Online Degree Search Title:** Civil, Environmental and Sustainable Engineering, MSE

**Campus:** Tempe, Online

ASU is not currently accepting applications for this program.

**Program Description:**

The faculty in civil, environmental and sustainable engineering offer a professional program leading to an MSE in civil, environmental and sustainable engineering. The program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice and increase the depth and breadth of knowledge in selected areas of emphasis.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here, on the program's website and in the program's graduate handbook. Students are admitted to one of the following specialty areas of engineering: environmental, geotechnical, hydrosystems, structural, sustainable or transportation.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil Engineering, BSE
- Civil Engineering (Environmental Engineering), BSE
- Civil Engineering (Sustainable Engineering), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a written comprehensive exam.

All candidates for the master's degree are required to complete approved graduate coursework.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained at the graduate studies section of the program's website.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, with a major in engineering or a closely related program, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment

Kit or a score of 26 on the speaking portion of the TOEFL.

A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained in the graduate studies section of the program's website.

Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

Prospective students should note that GRE scores are used in the admission decision. The average scores for those who were admitted to the graduate programs over the last five years are 732 for MS/MSE and 751 for PhD (GRE General Test) or 157 for MS/MSE and 159 for PhD (GRE revised General Test) in the quantitative section; 1203 for MS/MSE and 1239 for PhD (GRE General Test) or 308 for MS/MSE and 311 for PhD (GRE revised General Test) as combined quantitative and verbal scores.

More information regarding how to send official GRE scores to the Graduate College can be found at <https://admission.asu.edu/contact/faqs#graduate> (<https://admission.asu.edu/contact/faqs#graduate>).

Students' credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/graduate/civil/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)

**Online Degree Search Title:** Civil, Environmental and Sustainable Engineering, PhD

**Campus:** Tempe

**Program Description:**

The faculty in civil, environmental and sustainable engineering offer a graduate program leading to the PhD in civil, environmental and sustainable engineering. A broad range of theoretical and experimental research programs have been established in civil and environmental engineering to prepare graduate students for careers in professional practice and research. These programs are constantly evolving with the changes in society and the profession, and many are transdisciplinary in nature.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and in the program's graduate handbook. Students are admitted to one of the following specialty areas in engineering: environmental, geotechnical, hydrosystems, structural, sustainable and transportation.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

All candidates for the doctorate are required to complete 84 approved graduate credit hours; of these, 30 credit hours can be from the previously awarded master's degree. Additional graduate credit work may be assigned by the graduate supervisory committee, depending on the background of the candidate.

The graduate credit hours must include a minimum of 12 credit hours of research and 12 credit hours of dissertation work.

This degree program also requires written and oral comprehensive examinations and approval of the dissertation prospectus for the student to be eligible for doctoral candidacy.

After entering candidacy, the student completes the research, and writes and successfully defends the written dissertation.

A final oral examination in the defense of the dissertation work is required for all students.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a master's degree in engineering or a closely related master's degree program from a regionally accredited institution. Exceptionally qualified students with a bachelor's degree may be admitted to the doctoral program.



Applicants must have a minimum of a 3.20 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.20 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a resume
- a personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

A student whose undergraduate or master's degree is not in civil engineering is required to take appropriate undergraduate or graduate courses as deficiency courses, to establish a base of knowledge in the discipline. Deficiencies for admission to the program are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Prospective students should note that GRE scores are used in the admission decision. The average scores for those who were admitted to the graduate programs over the last five years are 732 for MS/MSE and 751 for PhD (GRE General Test) or 157 for MS/MSE and 159 for PhD (GRE revised General Test) in the quantitative section; 1203 for MS/MSE and 1239 for PhD (GRE General Test) or 308 for MS/MSE and 311 for PhD (GRE revised General Test) as combined quantitative and verbal scores. More information regarding how to send official GRE scores to Graduate Admission Services can be found at <https://admission.asu.edu/contact/faqs#graduate> (<https://admission.asu.edu/contact/faqs#graduate>).

Students' credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/graduate/civil/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Computer Engineering (Computer Systems), MS (ESCENCMS)

**Online Degree Search Title:** Computer Engineering (Computer Systems), MS

**Campus:** Tempe

**Program Description:**

The MS in computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics and physical sciences. Graduates of this program will have the knowledge and skills necessary to advance the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The program is intended for students who want to gain knowledge deeper than that provided at the bachelor's degree level and sufficient for designing and implementing state-of-the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future doctoral study and desiring to gain experience in research. Master's degree program graduates may work under the direction of scientists and engineers who hold doctorates in high-tech lab settings assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computer Systems Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

Required Core (6 credit hours)

CSE 551 Foundations of Algorithms (3)

EEE 554 Random Signal Theory (3)

Electives (18-24 credit hours)

Culminating Experience (0-6 credit hours)

CEN 599 Thesis (6) or

written comprehensive exam

Additional Curriculum Information

This program has a thesis and a nonthesis option for the culminating experience. Students in the nonthesis option take 24 credit hours of electives and students in the thesis option take only 18 credit hours to reach the 30 credit hour requirement. Electives are selected in consultation with the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a master's degree from a regionally accredited college or university of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement that indicates professional goals and reasons for desiring to enroll in the program
- GRE required if undergraduate program is not ABET-accredited (<http://www.abet.org/> (<http://www.abet.org/>))
- letters of recommendations are optional
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score. Students should see <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information.

A GRE score is required unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU. Students (international and domestic) are also exempt from taking the GRE who have degrees from an ABET-accredited program (from U.S. or overseas institutions) and meet the minimum GPA requirements of the academic units. Students who do not meet these requirements as outlined will be required to take the GRE.

Depending upon an applicant's prior academic preparation and accomplishments, it is recommended that students consider taking the following courses to ensure adequate background preparation:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

EEE 203 Signals and Systems I

EEE 335 Analog and Digital Circuits

MAT 243 Discrete Mathematical Structures

A reading list of the topics covered in the placement exam will be provided in advance.

Students should see the program website for application deadlines.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cen.engineering.asu.edu>

CTRPT 105  
cidse.advising@asu.edu  
480-965-3199

## Computer Engineering (Computer Systems), PHD (ESCENCPHD)

**Online Degree Search Title:** Computer Engineering (Computer Systems), PhD

**Campus:** Tempe

### Program Description:

The PhD in computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics and physical sciences. Graduates of this program will have the knowledge and skills necessary to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The program in computer engineering with a concentration in computer systems is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation. This doctoral program provides broader and more in-depth preparation than the MS programs, in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

CSE 551 Foundations of Algorithms (3)

EEE 554 Random Signal Theory (3)

Concentration and Electives (54 credit hours)

Research (12 credit hours)

CEN 792 Research (12)

Culminating Experience (12 credit hours)

CEN 799 Dissertation (12)

Additional Curriculum Information

Concentration and elective courses are selected in consultation with the academic unit. Students must complete at least 18 credit hours of approved graduate courses from science and engineering. Additionally, students must complete at least 24 credit hours of approved computer engineering area courses, 12 credit hours of which must be courses noted with M\* or D\* from the six computer engineering areas, with no more than six credit hours noted with M\*.

A maximum of six credit hours of CEN 790 Reading and Conference may be applied to the plan of study.

This program requires a qualifying exam. Students should see the academic unit for information on timelines and satisfactory progress standards.

For more information, students should visit <https://cidse.engineering.asu.edu/forstudent/prospective-students/computer-engineering/> (<https://cidse.engineering.asu.edu/forstudent/prospective-students/computer-engineering/>).

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited institution of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- personal statement
- three letters of recommendation
- official transcripts

- GRE scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The TOEFL is required for an applicant whose native language is not English: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The personal statement should explain the professional goals and reasons for desiring to enroll in the doctoral program as well as describing any research experiences and indicating personal research interest.

Students (international and domestic) are exempt from taking the GRE if they have degrees from an ABET-accredited program (from U.S. or overseas institutions) and meet the minimum GPA requirements of the academic units. Students who do not meet these requirements as outlined will be required to take the GRE.

Depending on prior academic preparation and accomplishments of an applicant, it is recommended that students consider taking the following courses to ensure adequate background preparation:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

EEE 203 Signals and Systems I

EEE 335 Analog and Digital Circuits

MAT 243 Discrete Mathematical Structures

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
 Computer Science and Engineering Program  
<https://cen.engineering.asu.edu>  
 CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
 480-965-3199

## Computer Engineering (Electrical Engineering), MS (ESCENEMS)

**Online Degree Search Title:** Computer Engineering (Electrical Engineering), MS

**Campus:** Tempe

#### Program Description:

Computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics, and physical sciences. Graduates of this program will have the knowledge and skills necessary to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The MS program is intended for students who want to gain knowledge deeper than that provided at the bachelor's degree level and sufficient for designing and implementing state-of-the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future doctoral study and desiring to gain experience in research. Master's degree program graduates may work under the direction of scientists and engineers who hold doctorates in high-tech lab settings assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Electrical Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours and a written comprehensive exam - MIP.

Required Core (6 credit hours)

CSE 551 Foundations of Algorithms (3)

EEE 554 Random Signal Theory (3)

Electives (18-24 credit hours)

Culminating Experience (0-6 credit hours)

CEN 599 Thesis (6) or  
written comprehensive exam

Additional Curriculum Information

This program has a thesis and a nonthesis option for the culminating experience. Students in the nonthesis option take 24 credit hours of electives, and students in the thesis option take only 18 credit hours to reach the 30 credit hour requirement. Electives are selected in consultation with the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a master's degree from a regionally accredited college or university of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation (optional)
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The personal statement should indicate professional goals and reasons for desiring to enroll in the program.

Students who hold a U.S. ABET-accredited undergraduate degree are not required to submit GRE scores.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://cen.engineering.asu.edu>  
GWC 209  
askee@asu.edu  
480-965-3424

## Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)

**Online Degree Search Title:** Computer Engineering (Electrical Engineering), PhD

**Campus:** Tempe

**Program Description:**

Computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics, and physical sciences. Graduates of this program have the knowledge and skills necessary to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The PhD program is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation. This doctoral program provides a broader and more in-depth preparation than the MS programs, in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

CSE 551 Foundations of Algorithms (3)

EEE 554 Random Signal Theory (3)

Concentration and Electives (54 credit hours)

Research (12 credit hours)

CEN 792 Research (12)

Culminating Experience (12 credit hours)

CEN 799 Dissertation (12)

Additional Curriculum Information

Electives are selected in consultation with the academic unit. Students must complete at least 18 credit hours of approved graduate courses from science, engineering or mathematics and at least 24 credit hours of approved computer engineering courses.

A maximum of six credit hours of CEN 790 Reading and Conference may be applied to the plan of study.

This program requires a qualifying exam. Students should see the academic unit for information on timeline and satisfactory progress standards.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited institution of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum GPA of 3.50 (scale is 4.00 = "A") in the MS or MSE coursework for acceptance into the doctoral program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL is required for applicants whose native language is not English: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Students who hold a U.S. ABET-accredited undergraduate degree are not required to submit GRE scores.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Electrical Engineering Program

<https://cen.engineering.asu.edu>

GWC 209

[askee@asu.edu](mailto:askee@asu.edu)

480-965-3424

## **Computer Science, MCS (ESCOMSCMCS)**

**Online Degree Search Title:** Computer Science, MCS

**Campus:** Tempe, Online

#### **Program Description:**

The MCS is an advanced degree program targeted at students with an undergraduate education in computing and related disciplines who can best profit from further breadth and background in computer science. The Master of Computer Science program also affords an opportunity for students employed in industry to seek a breadth of advanced education in computer science.

The program reflects the dual nature of computer science as a scientific and engineering discipline by allowing emphasis on theory as well as practical applications. Students can study topics such as:

- artificial intelligence
- bioinformatics
- cloud and distributed computing
- computer-aided geometric design
- computer design and architecture
- computer graphics
- computer networks
- cyber-physical and embedded systems
- cyber security
- database management and information retrieval
- database systems
- data mining and machine learning
- distributed computing and operating systems
- embedded systems
- health operations and informatics
- imaging, graphics and visualization
- information assurance and security
- intelligent information integration
- multimedia
- network algorithms
- personalized learning and educational games
- simulation modeling and systems
- social computing
- software engineering
- statistical modeling
- theory and algorithms

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a portfolio.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Electives or Research (21 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Students choose 21 credit hours of other elective or research coursework approved by their academic advisor. Coursework selected as part of the area core may not be used as elective coursework on the same plan of study.

At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses are allowed as elective coursework, which cannot include courses taken at the undergraduate level. Up to six credit hours of 400-level courses may be applied to the plan of study. All 30 credit hours must be from formal coursework. CSE 590 is not allowed as part of the MCS program plan of study.

All MCS program students must complete a project portfolio from three courses in which the student received a "B" (3.00) grade or higher.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.0 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.0 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (optional, but strongly recommended for Tempe campus applicants)
- statement of purpose OR curriculum vitae
- letters of recommendation (optional, but strongly recommended for Tempe campus applicants)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00="A") or higher within two semesters of admission to the program. Deficiency courses include:

- CSE 230 Computer Organization and Assembly Language Programming (3)
- CSE 310 Data Structures and Algorithms (3)
- CSE 330 Operating Systems (3)
- CSE 340 Principles of Programming Languages (3), or CSE 355 Introduction to Theoretical Computer Science (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/computer-science-mcs/>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## Computer Science, MS (ESCOMSCMS)

**Online Degree Search Title:** Computer Science, MS

**Campus:** Tempe

**Program Description:**

The MS in computer science is a research-oriented degree program targeted toward students with an undergraduate education in the science of computation. It provides instruction in advanced coursework and emphasizes research by the student. Students can conduct cutting-edge research in a wide variety of research areas including:

- artificial intelligence
- bioinformatics



- cloud and distributed computing
- computer design and architecture
- computer graphics
- computer networks
- computer-aided geometric design
- cyber-physical and embedded systems
- cyber security
- data mining and machine learning
- database management and information retrieval
- database systems
- distributed computing and operating systems
- embedded systems
- health operations and informatics
- imaging, graphics and visualization
- information assurance and security
- intelligent information integration
- multimedia
- network algorithms
- personalized learning and educational games
- simulation modeling and systems
- social computing
- software engineering
- statistical modeling
- theory and algorithms

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Electives (15 or 21 credit hours)

Culminating Experience (0 or 6 credit hours)

CSE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems. Courses selected as part of the core may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students in the thesis option take 15 credit hours of electives, and students in the portfolio option take 21 credit hours of electives. The project portfolio is developed from three courses in which the student received a "B" grade (3.00 on a 4.00 scale) or higher. Students should see the academic unit for additional information and requirements.

For thesis students, nine of the 15 credit hours of electives must be courses in a chosen research area and approved by the student's academic advisor. Up to six credit hours can be independent study in CSE 590 Reading and Conference.

Students will complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

If the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU, GRE scores are not required.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 330 Operating Systems

CSE 340 Principles of Programming Languages

CSE 355 Introduction to Theoretical Computer Science

CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## Computer Science, PHD (ESCOMSCPHD)

**Online Degree Search Title:** Computer Science, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in computer science prepares students to undertake fundamental and applied research in computer science.

Students can conduct cutting-edge research in a wide variety of research areas, including:

- artificial intelligence
- bioinformatics
- cloud and distributed computing
- computer design and architecture
- computer graphics
- computer networks
- computer-aided geometric design
- cyber-physical and embedded systems

- cyber security
- data mining and machine learning
- database management and information retrieval
- database systems
- distributed computing and operating systems
- embedded systems
- health operations and informatics
- imaging, graphics and visualization
- information assurance and security
- intelligent information integration
- multimedia
- network algorithms
- personalized learning and educational games
- simulation modeling and systems
- social computing
- software engineering
- statistical modeling
- theory and algorithms

Graduates are prepared for careers in academia, government and industry.

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core Areas (15 credit hours)

architecture and networked systems (3)

intelligent and interactive systems (3)

data and information systems (3)

software and information assurance (3)

foundations of computation and algorithms (3)

Depth (6 credit hours)

six additional credit hours in one core area (6)

Electives (33 - 39 credit hours)

Research (12 - 18 credit hours)

CSE 792 Research (12-18)

Culminating Experience (12 credit hours)

CSE 799 Dissertation (12)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area. Courses that are used to satisfy the core area requirement cannot be used to satisfy electives or other requirements.

Students choose computer science electives in consultation with their graduate advisor. Up to 18 credit hours of CSE 590 and CSE 790 are allowed on the plan of study. Additional restrictions may apply to electives course selection.

When approved by the academic unit and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

A maximum of six credit hours of 400-level coursework may be applied to the plan of study.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency.

If the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU, GRE scores are not required.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" or higher (scale is 4.00 = "A") within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 330 Operating Systems

CSE 340 Principles of Programming Languages

CSE 355 Introduction to Theoretical Computer Science

CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)

**Online Degree Search Title:** Computer Science (Art, Media and Engineering), MS

**Campus:** Tempe

**Program Description:**

The MS program in computer science with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media.

Arts, media and engineering researchers produce experiential media systems and models that assist the disadvantaged, empower creativity, enhance scientific discovery, evolve human ability, facilitate learning, and improve quality of life. Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration under the master's degree in computer science is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students specialize in transdisciplinary media development. More information about the arts, media and engineering concentration can be found at <https://artsmediaengineering.asu.edu> (<https://artsmediaengineering.asu.edu/>).

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computer Science, BS

Computer Science (Cybersecurity), BS

Computer Science (Software Engineering), BS

Computer Systems Engineering, BSE

Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)

AME 599 Thesis (2)

CSE 599 Thesis (4)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Students complete nine credit hours of arts, media and engineering concentration courses selected in consultation with the student's graduate advisor. Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

GRE scores are not required if the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.

The statement of purpose must address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. For further information on how this statement can be expanded upon by students interested in a research assistantship or an integrative graduate education and research traineeship within arts, media and engineering, students should visit <https://artsmediaengineering.asu.edu> (<https://artsmediaengineering.asu.edu/>). Students should submit a curriculum vitae with the statement of purpose.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming  
Academic Catalog Archive 2019-2020

CSE 310 Data Structures and Algorithms  
CSE 330 Operating Systems  
CSE 340 Principles of Programming Languages  
CSE 355 Introduction to Theoretical Computer Science  
CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)

**Online Degree Search Title:** Computer Science (Art, Media and Engineering), PhD

**Campus:** Tempe

**Program Description:**

The PhD program in computer science with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media. Arts, media and engineering researchers produce experiential media systems and models that assist the disadvantaged, empower creativity, enhance scientific discovery, evolve human ability, facilitate learning, and improve quality of life. Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students will specialize in transdisciplinary media development. More information about arts, media and engineering can be found at <https://artsmediaengineering.asu.edu/> (<https://artsmediaengineering.asu.edu/>).

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core Areas (15 credit hours)

architecture and networked systems (3)

data and information systems (3)

foundations of computation and algorithms (3)

intelligent and interactive systems (3)

software and information assurance (3)

Depth (6 credit hours)

six additional credit hours in one core area (6)

Concentration (18 credit hours)

Electives (15 credit hours)

Research (18 credit hours)

Culminating Experience (12 credit hours)

CSE 799 Dissertation (12)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area. Courses that are used to satisfy the core area requirement cannot be used to satisfy the concentration requirement or other requirements.

Students choose courses for the arts, media and engineering concentration in consultation with their graduate advisor. Up to 18 credit hours of CSE 590 and CSE 790 are allowed on the plan of study. Additional restrictions may apply to electives course selection.

When approved by the academic unit and the Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used for this degree.

A maximum of six credit hours of 400-level coursework may be applied to the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

If the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU, GRE scores are not required.

The statement of purpose must fulfill any requirements defined by the Graduate College and also address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. Further information on how this statement can be expanded upon by students interested in a research assistantship or an Integrative Graduate Education and Research Traineeship within arts, media and engineering is available from the department. Students should submit a current curriculum vita with the statement of purpose.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses are:

- CSE 230 Computer Organization and Assembly Language Programming
- CSE 310 Data Structures and Algorithms
- CSE 330 Operating Systems
- CSE 340 Principles of Programming Languages
- CSE 355 Introduction to Theoretical Computer Science
- CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## **Computer Science (Big Data Systems), MCS (ESCSEBDMCS)**

**Online Degree Search Title:** Computer Science (Big Data Systems), MCS

**Campus:** Tempe

**Program Description:**

The big data systems concentration under the MCS degree is designed for graduate students who want to pursue a thorough education in the area

of big data systems.

The program is designed to provide students the knowledge, skills and expertise in designing scalable systems (parallel, distributed and real time) for acquiring, storing, processing and accessing large-scale heterogeneous multisource data and in using analytical tools to mine information from the data.

Graduates will be able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs. There is a growing need for data scientists and engineers who can architect, implement and manage large data systems, and graduates of this program will have a competitive advantage in securing employment.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

CSE 510 Database Management System Implementation (3)

CSE 512 Distributed Database Systems (3)

CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

Restricted Electives (6 credit hours)

Electives or Research (6 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for electives and each core area in applications, foundations and systems.

Coursework selected as part of the area core may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total credit hours of their plan of study are equal to 30.

At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses may be allowed as elective coursework, which cannot include courses taken at the undergraduate level. All 30 credit hours must be from formal coursework (including CSE 591). CSE 590 will not be allowed as part of the Master of Computer Science program plan of study.

All Master of Computer Science program students must complete a project portfolio from three courses in which the student received a "B" grade (scale is 4.00 = "A") or higher.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.0 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.0 (scale is 4.00 = "A") in an applicable master's degree program.



Applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (optional, but strongly recommended)
- statement of purpose OR curriculum vitae
- letters of recommendation (optional, but strongly recommended)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00="A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming (3)

CSE 310 Data Structures and Algorithms (3)

CSE 330 Operating Systems (3)

CSE 340 Principles of Programming Languages (3), or CSE 355 Introduction to Theoretical Computer Science (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

#### Contact Information:

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## Computer Science (Big Data Systems), MS (ESCSEBDMS)

**Online Degree Search Title:** Computer Science (Big Data Systems), MS

**Campus:** Tempe

#### Program Description:

The big data systems concentration under the MS degree program in computer science is designed for graduate students who want to pursue a thorough education and research in the area of big data systems.

The goal of this concentration is to provide students with the knowledge, skills and advanced research expertise in designing scalable (parallel, distributed and real-time) systems for acquiring, storing, processing and accessing large-scale heterogeneous multisource data and in using analytical tools to mine information from the data.

Graduates will be able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs. This concentration program will provide a competitive advantage to secure employment as there is a growing need for data scientists and engineers who can architect, implement and manage large data systems.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computer Science, BS

Computer Science (Cybersecurity), BS

Computer Science (Software Engineering), BS

Computer Systems Engineering, BSE

Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic

departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

CSE 510 Database Management System Implementation (3)

CSE 512 Distributed Database Systems (3)

CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

Restricted Electives (6 or 12 credit hours)

CSE 515 Multimedia and Web Databases (3)

CSE 546 Cloud Computing (3)

CSE 573 Semantic Web Mining (3)

CSE 575 Statistical Machine Learning (3)

CSE 591 Topic: Data Visualization (3)

Culminating Experience (0 or 6 credit hours)

CSE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students in the thesis option take six credit hours of electives and students in the portfolio option take 12 credit hours of electives. The project portfolio is developed from three courses in which the student received a "B" grade (3.00) or higher and should have significant content in big data systems. Students should see the academic unit for additional information and requirements.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE test scores
- three letters of recommendation
- statement of purpose
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Official TOEFL scores should be submitted from tests that must have been taken within the last two years (only required for those who did not graduate with a baccalaureate degree from an accredited U.S. institution). The TOEFL score must be valid on the first day of class for the term the student is applying for. CIDSE requires that TOEFL scores must be above 575 (paper) or 90 (iBT), or that the minimum IELTS is an overall band score of 7.0.

For international students, official GRE General test scores must be taken within the last five years.

All international records must be submitted in the original language accompanied by an official English translation. If the student has attended a U.S. institution, one set of official transcripts from every college and university attended, except ASU, is required.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming  
CSE 310 Data Structures and Algorithms  
CSE 330 Operating Systems  
CSE 340 Principles of Programming Languages  
CSE 355 Introduction to Theoretical Computer Science  
CSE 360 Introduction to Software Engineering

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## Computer Science (Biomedical Informatics), MS (ESCSBIOIMS)

**Online Degree Search Title:** Computer Science (Biomedical Informatics), MS

**Campus:** Tempe

**Program Description:**

The MS program in computer science with a concentration in biomedical informatics is designed for graduate students who wish to specialize in such topics as genomics and computational systems biology. The concentration is transdisciplinary in nature, providing preparation that integrates technological expertise in the information sciences, computer science, biosciences, and statistics with an understanding of the clinical environment of the health care professional. The curriculum exposes computer science students to current issues in clinical practice as well as the use of information systems in health care settings.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

BMI 501 Introduction to Biomedical Informatics (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 5XX approved elective in biomedical informatics (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)

CSE 599 Thesis (6)

#### Additional Curriculum Information

Students focus their research in one of the following areas: bioinformatics, biomedical informatics, clinical informatics, imaging informatics or public health informatics.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study. Students complete a minimum of 30 credit hours for the program. At least 21 of these credit hours must be 500-level CSE courses at ASU.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score.

The student must submit verbal, quantitative and analytical GRE scores (optional: subject test in computer science) unless the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming  
CSE 310 Data Structures and Algorithms  
CSE 330 Operating Systems  
CSE 340 Principles of Programming Languages  
CSE 355 Introduction to Theoretical Computer Science  
CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>  
CTRPT 105  
cidse.advising@asu.edu  
480-965-3199

## Computer Science (Cybersecurity), MCS (ESCSEIMCS)

**Online Degree Search Title:** Computer Science (Cybersecurity), MCS

**Campus:** Tempe, Online

#### Program Description:

The MCS program with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of cybersecurity and information assurance. The goal of this concentration is to provide students the knowledge and skills in science and engineering for cybersecurity, including computer and network security, software security, data and information security, applied cryptography and computer forensics.

The concentration in cybersecurity is an advanced degree designed for students with an undergraduate education in computing and related

disciplines and students employed in industry who can best profit from further breadth and background in computer science and information assurance. Graduates have a competitive advantage to secure employment.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on the scholarship programs, students should see <https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship> (<https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship>).

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours and a portfolio.

Required Core Areas (9 credit hours)

- applications (3)
- foundations (3)
- systems (3)

Concentration (15 credit hours)

- CSE 539 Applied Cryptography (3)
- CSE 543 Information Assurance and Security (3)
- CSE 545 Software Security (3)
- CSE 548 Advanced Computer Network Security (3)

Choose one:

- CSE 466 Computer Systems Security (3)
- CSE 467 Data and Information Security (3)
- CSE 469 Computer and Network Forensics (3)
- CSE 531 Distributed and Multiprocessor Operating Systems (3)
- CSE 534 Advanced Computer Networks (3)
- CSE 565 Software Verification, Validation and Testing (3)

Electives or Research (6 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Coursework selected as part of the area core may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total credit hours of their plan of study are equal to 30.

The interactive plan of study must contain a minimum of 30 credit hours of approved graduate-level work. At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses may be allowed as elective coursework, which cannot include courses taken at the undergraduate level. All 30 credit hours must be from formal coursework (including CSE 591). CSE 590 will not be allowed as part of the MCS program.

All Master of Computer Science students must complete a project portfolio from three courses in which the student received a "B" grade (3.00) or higher.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.0 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.0 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (optional, but strongly recommended)
- statement of purpose OR curriculum vitae
- letters of recommendation (optional, but strongly recommended)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00="A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming (3)

CSE 310 Data Structures and Algorithms (3)

CSE 330 Operating Systems (3)

CSE 340 Principles of Programming Languages (3), or CSE 355 Introduction to Theoretical Computer Science (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## Computer Science (Cybersecurity), MS (ESCSEIAMS)

**Online Degree Search Title:** Computer Science (Cybersecurity), MS

**Campus:** Tempe

**Program Description:**

The MS in computer science with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of cybersecurity and information assurance. The goal of this concentration is to provide students the knowledge and skills needed in science and engineering for cybersecurity. This includes computer and network security, software security, data and information security, applied cryptography and computer forensics. Graduates will have a competitive advantage to secure employment.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on the scholarship programs, students should see <https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship> (<https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship>).

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

CSE 543 Information Assurance and Security (3)

CSE 545 Software Security (3)

CSE 548 Advanced Computer Network Security (3)

Electives (6 or 12 credit hours)

Culminating Experience (0 or 6 credit hours)

CSE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students completing a portfolio take 12 credit hours of electives and must follow the academic unit's requirements for portfolio projects. Students should see the academic unit for more information.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

Students must complete 15 credit hours of approved information assurance coursework. Students should see the School of Computing, Informatics and Decision Systems Engineering website for more information.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply for the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- scores for the GRE
- a statement of purpose
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

GRE scores are not required if the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.

Applicants assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 330 Operating Systems

CSE 340 Principles of Programming Languages

CSE 355 Introduction to Theoretical Computer Science

CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

#### Contact Information:

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## Computer Science (Cybersecurity), PHD (ESCSEIAPHD)

**Online Degree Search Title:** Computer Science (Cybersecurity), PhD

**Campus:** Tempe

#### Program Description:

The PhD program in computer science with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of cybersecurity and information assurance. The goal of this concentration is to provide students the knowledge and skills in science and engineering for cybersecurity, including:

- applied cryptography
- computer and network security
- computer forensics
- data and information security
- software security

Graduates will have a competitive advantage to secure employment. According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on the scholarship programs, students should see <https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship> (<https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship>).

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.



Required Core Areas (15 credit hours)

architecture and networked systems (3)

data and information systems (3)

foundations of computation and algorithms (3)

intelligent and interactive systems (3)

software and information assurance (3)

Depth (6 credit hours)

six additional credit hours in one core area (6)

Concentration (12 credit hours)

Electives (21 credit hours)

Research (18 credit hours)

Culminating Experience (12 credit hours)

CSE 799 Dissertation (12)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area. Courses that are used to satisfy the core area requirement cannot be used to satisfy the concentration requirement or other requirements.

Students choose courses for the cybersecurity concentration in consultation with their graduate advisor. Students should refer to <https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/> (<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>) for more information on information assurance course options.

Up to 18 hours of CSE 590 and CSE 790 are allowed on the plan of study. Additional restrictions may apply to electives course selection.

When approved by the academic unit and the Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used for this degree.

A maximum of six credit hours of 400-level coursework may be applied on the plan of study.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

GRE scores are not required if the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming  
CSE 310 Data Structures and Algorithms  
CSE 330 Operating Systems  
CSE 340 Principles of Programming Languages  
CSE 355 Introduction to Theoretical Computer Science  
CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>  
CTRPT 105  
cidse.advising@asu.edu  
480-965-3199

## Construction Engineering, MSE (ESCONEMSE)

**Online Degree Search Title:** Construction Engineering, MSE

**Campus:** Tempe

**Program Description:**

The MSE in construction engineering is a transdisciplinary program that encompasses the areas of geotechnical engineering, structural engineering, transportation engineering, construction engineering and management-related topics. The degree program focuses on a combination of design and management topics that prepare the student for a career working at the interface of design and construction. The program is especially desirable to those students who are interested in a career emphasizing construction of infrastructure.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil Engineering, BSE
- Civil Engineering (Environmental Engineering), BSE
- Civil Engineering (Sustainable Engineering), BSE
- Construction Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a written comprehensive exam.

All candidates for the Master of Science in engineering are required to complete approved graduate coursework.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained on the graduate studies section of the program's website.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering or other closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must take the GRE and have their scores sent to Graduate Admission Services. Prospective students should note that the following two requirements need to be met for consideration for admission: minimum score in the quantitative section is 700 and a minimum combined quantitative and verbal score is 1100. More information regarding how to send official GRE scores to Graduate Admission Services can be found at <https://admission.asu.edu/graduate/apply> (<https://admission.asu.edu/graduate/apply>).

A student whose undergraduate degree is not in civil or construction engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained on the graduate studies section of the program's website.

Applicants with an undergraduate GPA lower than 3.00 may be provisionally admitted at the discretion of the admission committee.

#### Contact Information:

Engineering, Ira A. Fulton Schools of

Construction Engineering

<https://ssebe.engineering.asu.edu/graduate/construction-eng/>

CAVC 437

[sebe.advising@asu.edu](mailto:sebe.advising@asu.edu)

480-965-0595

## Construction Management, MS (ESCONSTMS)

**Online Degree Search Title:** Construction Management, MS

**Campus:** Tempe, Online

#### Program Description:

The faculty of the Del E. Webb School of Construction offer a graduate program leading to the MS in construction management. The transdisciplinary nature of the program allows a candidate's plan of study to reflect individual interests and career goals.

The primary objective of the program is to allow students with a bachelor's degree in construction or a related field such as architecture, business or engineering to broaden and improve their professional capabilities in construction. The program is designed to meet the growing need for professionals with advanced technical, management and applied research skills in the construction industry.

The facilities management specialty area supports the needs of the student desiring a career in the maintenance, operation, renovation or decommissioning of existing facilities. The construction management specialty area allows students seeking upper-level management positions in various sectors of the construction industry to improve their competency in project, program and company management areas.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Construction Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours and an applied project (CON 593).

Required Core (9 credit hours)

Project Management Core Area (3 credit hours)

CON 530 Facilities Operations and Maintenance (3)

CON 532 Facilities Project Management (3)

CON 545 Construction Project Management (3)

CON 551 Alternative Project Delivery Methods (3)

CON 557 Principles of Leadership for Project Managers (3)

Project Controls Core Area (3 credit hours)

CON 540 Construction Productivity (3)

CON 567 Advanced Procurement Systems (3)

CON 589 Construction Company Financial Control (3)

Construction Technology Core Area (3 credit hours)

CON 531 Facility Management: Building Energy Management (3)

CON 554 Trenchless Construction Methods (3)

CON 570 Introduction to Advanced Technology Facilities (3)

CON 571 Construction of Advanced Technology Facilities (3)

CON 575 Information Technology in Construction (3)

Electives or Research (15-21 credit hours)

Culminating Experience (0-6 credit hours)

CON 593 Applied Project (3)

CON 599 Thesis (6)

written comprehensive exam (0)

Additional Curriculum Information

Students chose one three-credit hour course from each of the core areas listed above for a total of nine credit hours. If a course is chosen as a core area course, it cannot be used as an elective course simultaneously.

The number of electives and research will be adjusted depending on the culminating experience chosen by the student.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- current resume
- an evaluation of the student's academic and professional background
- personal statement
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency by meeting the Graduate College English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English, and a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

Applicants are expected to be competent in basic construction topics.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-construction-management/>)

### Contact Information:

Engineering, Ira A. Fulton Schools of  
Del E. Webb Construction  
<https://ssebe.engineering.asu.edu/graduate/construction-mgmt/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Construction Management, PHD (ESCONPHD)

**Online Degree Search Title:** Construction Management, PhD

**Campus:** Tempe

### Program Description:

The Del E. Webb School of Construction has one of the top construction management doctoral programs in the United States. It provides a rigorous education and teaching environment for students seeking an advanced degree. The doctoral degree program requires novel, independent research that broadly contributes to the construction management body of knowledge; transdisciplinary research is often required due to the nature of the topics studied.

Graduates of the Del E. Webb School of Construction's doctoral program have careers in architecture, engineering and construction industries, academia, and local, state and federal government.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The doctoral program in construction typically requires three to four years of full-time study and research beyond the master's degree. Generally, students will be admitted into the doctoral program at or near the completion of their master's degree.

The program requires 84 credit hours post-bachelor's degree or 54 credit hours post-master's degree.

The program consists of:

- core construction courses
- elective courses
- a qualifying examination
- a written and oral comprehensive examination
- admission to candidacy
- successful defense of a dissertation prospectus and complete dissertation

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Students who hold a master's degree in a related field from a regionally accredited university or equivalent are eligible to apply for admission to the program. Only exceptional students will be admitted without a master's degree. Related fields include construction, civil engineering, architecture and business. At the discretion of the admission committee, students from other disciplines may be eligible as well. In addition, applicants are expected to be competent in construction topics.

Applicants must have a minimum of a 3.20 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- a current resume
- an evaluation of the student's academic and professional background
- masters' degree thesis abstract
- personal statement
- research interests
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

Applicants must take the GRE and have their official scores sent directly to Graduate Admission Services. More information regarding how to send official GRE scores can be found on the Graduate Admission Services website.

The personal statement should describe the applicant's career goals and research objectives.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Del E. Webb Construction

<https://ssebe.engineering.asu.edu/graduate/construction-mgmt/>

ECG 437

sebe.advising@asu.edu

480-965-0595

## Electrical Engineering, MS (ESEEMS)

**Online Degree Search Title:** Electrical Engineering, MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

This program does not accept applications to the MS directly. Students should apply to the MSE program and, once admitted, consult with the Master of Science in Engineering program advisors if interested in the Master of Science program.

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a research program leading to the Master of Science in electrical engineering.

Graduate courses and programs are offered in the following six areas of specialization:

- control systems
- electric power and energy systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- physical electronics and photonics
- signal processing and communications

**Degree Requirements:**

30 credit hours and a thesis.

The credits earned toward this research degree must include a minimum of eight courses (24 credit hours minimum) and six hours of EEE 599 (thesis). As part of the eight courses, at least two should be outside the area of specialization.

Requirements include:

at least four EEE courses

at least two courses outside the area of specialization

at most two 400-level courses

at least three EEE 500-level courses

at most one EEE 590 Reading and Conference or FSE course

exam

A final oral examination in defense of the thesis completes the master's degree requirements.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students desiring the Master of Science in electrical engineering must initially apply to the Master of Science in Engineering program. Students who later obtain a research advisor may transfer to the Master of Science program.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
askee@asu.edu  
480-965-3424

## **Electrical Engineering, MSE (ESEEMSE)**

**Online Degree Search Title:** Electrical Engineering, MSE

**Campus:** Tempe, Online

#### **Program Description:**

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a professional program leading to the MSE in electrical engineering. Graduate courses and programs are offered in the following six areas of specialization:

- control systems (not an option for the online degree but available to on-campus students)

- electric power and energy systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- physical electronics and photonics
- signal processing and communications

Courses are available on campus and online. The degree can be completed taking all classes on campus or all classes online.

A concurrent degree, the MBA/MSE in electrical engineering, is available as an online option. For more information, students should visit <https://wpcarey.asu.edu/mba-programs/online/concurrent-degrees> (<https://wpcarey.asu.edu/mba-programs/online/concurrent-degrees>).

#### **Concurrent Degrees:**

This degree is also offered as concurrent degree program with W. P. Carey MBA - Online Program

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Electrical Engineering, BSE

Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a written comprehensive exam.

The master's degree in electrical engineering is a professional degree requiring a minimum of 30 credit hours of coursework (a minimum of 10 classes) and a final comprehensive examination in the area of specialization. The examination is given each semester at the end of the sixth week of classes.

Requirements include:

at least five EEE courses

at least three EEE 500-level courses

at least two courses outside the area of specialization

at most one EEE 590 Reading and Conference or FSE course

at most two 400-level courses

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

The decision to admit a student who has earned a bachelor's degree from a program accredited by ABET to a master's degree program in electrical engineering is based on a number of factors. A minimum requirement is an undergraduate GPA of 3.00 (scale is 4.00 = "A") in the student's last two years of undergraduate work. A student whose undergraduate degree is not from an ABET-accredited program must have the equivalent of at least a 3.50 GPA in the last two years of undergraduate study and must score 156 or higher on the quantitative section of the GRE general test.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Admission to electrical engineering graduate programs is highly competitive. Preferred applicants have an undergraduate degree in electrical engineering.



Applicants should see the program website for application deadlines.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-business-administration-master-science-engineering-electrical/>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
askee@asu.edu  
480-965-3424

## Electrical Engineering, PHD (ESEEPHD)

**Online Degree Search Title:** Electrical Engineering, PhD

**Campus:** Tempe

**Program Description:**

The PhD in electrical engineering is awarded upon evidence of excellence in research leading to a scholarly dissertation that is a contribution to knowledge. Graduate courses and programs are offered in the following six areas of specialization:

- control systems
- electric power and energy systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- physical electronics and photonics
- signal processing and communications

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Doctoral students are required to complete 84 credit hours of academic credit beyond the bachelor's degree. The following summarizes the degree course requirements:

Master's degree (30 credit hours)  
from any accredited institution

Electives 500-level or above (18 credit hours)  
at least nine credit hours of EEE courses

Research Class or Omnibus Courses (12 credit hours)  
can be 400-level and above or  
EEE 792 Research (12)

Dissertation (12 credit hours)  
EEE 799 Dissertation (12)

**Additional Curriculum Information**

The 84 credit hours include 30 credit hours from the master's degree, a required 18 credit hours of doctoral coursework, 12 credit hours of research (EEE 792), and 12 credit hours (and only 12 credit hours) of dissertation (EEE 799).

The additional 12 credit hours can be more hours of research (EEE 792) or can be coursework as determined by the supervisory committee. At least half (nine credit hours) of the minimum requirement of 18 credit hours of doctoral coursework must be in electrical engineering. EEE 790 Reading and Conference can be used for no more than three credit hours toward the required 18 but does not count toward the nine hours of 500-level EEE classes required.

All courses counting toward the required 18-credit hour minimum must be at the 500 level or higher. Note: All courses having the prefix EEE 591 count as 400-level courses. No more than one three-hour reading and conference (EEE 790) course may be taken as part of the 18-hour requirement. The content of any proposed reading and conference course must be reviewed and approved by the electrical engineering graduate program chair before a student registers for the course.

A qualifying examination, a comprehensive exam and the dissertation defense are required. Additional information on the program can be found in the "Blue Student Guide" published and available on the program's website.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

In general, a student must have a least a 3.00 GPA (scale is 4.00 = "A") in all undergraduate coursework and at least a 3.50 GPA (scale is 4.00 = "A") in all graduate coursework for admission to the doctoral program. A student usually must hold a master's degree before being admitted to the doctoral program. Direct doctoral admission is available for students graduating from an ABET-accredited electrical engineering program with a GPA of 3.60 (scale is 4.00 = "A") or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the internet-based TOEFL or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

A student whose master's degree is not from a U.S. institution must score 156 or higher on the quantitative section of the GRE General Test. A good score on the writing portion is considered desirable.

A student whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Applicants should see the program website for application deadlines.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
askee@asu.edu  
480-965-3424

## Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)

**Online Degree Search Title:** Electrical Engineering (Art, Media and Eng), MS

**Campus:** Tempe

**Program Description:**

A concentration in arts, media and engineering has been established as a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts. This concentration is available for both MS and PhD students admitted to this program who take two-thirds of their course, research and thesis credits from the electrical engineering program and one-third of the credits from the arts, media and engineering program. All applicants are strongly encouraged to see the FAQ on this concentration available at <https://ecee.engineering.asu.edu/academics/doctoral-degrees/electrical-engineering-arts-media-and-engineering-m-s-ph-d/> (<https://ecee.engineering.asu.edu/academics/doctoral-degrees/electrical-engineering-arts-media-and-engineering-m-s-ph-d/>).

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with transdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being as well as promotion of environmentally sustainable practices. For more information, students should see <https://artsmediaengineering.asu.edu/research-and-initiatives> (<https://artsmediaengineering.asu.edu/research-and-initiatives>).

**Degree Requirements:**

30 credit hours and a thesis.

Eight courses are required for this program, typically five from EEE and three from AME. In addition, six credit hours of thesis are required, typically four credit hours from EEE and two from AME.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Students from ABET-accredited undergraduate programs who wish to be considered for a master's degree program must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last two years of undergraduate coursework. Students from undergraduate programs that are not accredited by ABET must have a minimum GPA of 3.50 (scale is 4.00 = "A") in the last two years of undergraduate coursework or have graduated first class with distinction and must score in the 90th percentile or higher on the quantitative section of the GRE general test.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International applicants seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the internet-based TOEFL or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Applicants should submit materials that reflect the hybrid nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Applicants will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in a transdisciplinary research environment.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
askee@asu.edu  
480-965-3424

## **Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)**

**Online Degree Search Title:** Electrical Engineering (Art, Media and Eng), PhD

**Campus:** Tempe

**Program Description:**

A concentration in arts, media and engineering has been established as a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts. This concentration is available both for MS and PhD students admitted to this program. Students take two-thirds of their coursework from electrical engineering and one-third of the credits from the arts, media and engineering program.

All applicants are strongly encouraged to see the FAQ on this concentration available at <https://ecee.engineering.asu.edu/academics/doctral-degrees/electrical-engineering-arts-media-and-engineering-m-s-ph-d/> (<https://ecee.engineering.asu.edu/academics/doctral-degrees/electrical-engineering-arts-media-and-engineering-m-s-ph-d/>).

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with transdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being, as well as promotion of environmentally sustainable practices. For more information, students should see <https://artsmediaengineering.asu.edu/research-and-initiatives> (<https://artsmediaengineering.asu.edu/research-and-initiatives>).

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program requires the following:

a comprehensive examination

the dissertation defense

a qualifying examination

10 courses, typically seven from EEE and three from AME

12 credit hours of dissertation, typically eight credits from EEE and four from AME

12 credit hours of research, typically eight credits from EEE and four from AME

**Admission Requirements:**

Applicants must fulfill both the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants with a master's degree who wish to be considered for the doctoral program must have a minimum GPA of 3.50 (scale is 4.00 = "A") in their master's degree program. Applicants without a master's degree must have a minimum GPA of 3.60 (scale is 4.00 = "A") in the last two years of undergraduate coursework and have graduated from an ABET-accredited undergraduate program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Applicants should submit materials that reflect the transdisciplinary nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Students will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in a transdisciplinary research environment.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Electrical Engineering Program

<https://ecee.engineering.asu.edu/>

GWC 209

askee@asu.edu

480-965-3424

## Engineering, MEng (ESENGRMENG)

**Online Degree Search Title:** Master of Engineering, MEng

**Campus:** Tempe, Online

**Program Description:**

When pursuing an MEng, students can customize their learning experience by selecting a curriculum that addresses their academic and professional goals. The master's degree program is designed for working professionals and is delivered entirely online to meet the unique needs of professional engineers. It is a practice-oriented degree program.

In the master's degree program, multiple emphasis areas are available with additional areas under development. Within each area, there are specific course requirements in addition to the general program requirements. Students can select one of several areas of study available, such as engineering management, quality, reliability and statistical engineering, and systems engineering.

Engineers who enter the master's degree program have the opportunity to gain valuable experience applicable to their industry while gaining an advanced degree. Convenience and flexibility are key advantages of this program. The Master of Engineering is a 30 credit hour degree program that does not require GRE results, a thesis or on-campus attendance; it is only available through distance learning. The degree program is supported through online courses available from the Ira A. Fulton Schools of Engineering.

**Degree Requirements:**

30 credit hours and a written comprehensive exam, or 30 credit hours and an oral comprehensive exam, or 30 credit hours including the required applied project course (CSE 593 or IEE 585 or IEE 593).

Students must complete 30 credit hours equaling 10 courses to earn a Master of Engineering. Half of all coursework, excluding the practice-oriented project, must be in engineering.

Students must complete three credit hours of applied engineering mathematics and three credit hours of engineering management or business.

A culminating event is required and will be identified by the student's advisory committee. It could be a final written or oral examination or the final report of a practice-oriented project. Additional requirements may exist for some academic units and emphasis areas of the Master of Engineering program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in the desired field of study, from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from all institutions attended
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Dean, Ira A. Fulton Schools of Engineering  
<https://asuengineeringonline.com>  
CAVC 375  
student-fseonline@asu.edu  
480-965-0637

## Engineering, MS (TSEGRMS)

**Online Degree Search Title:** Engineering, MS

**Campus:** Polytechnic

**Program Description:**

The MS program in engineering consists of a core set of courses designed so that students develop applied analytical expertise across disciplinary boundaries, with direct applications of advanced design principles to system design, management and control. The student's expertise developed through the core curriculum is reinforced with the flexibility of having focus area options that include alternative energy, mechanical engineering and manufacturing engineering. The culminating experience options are also flexible, allowing students to tailor the program to support their unique career goals while also becoming problem solvers who create and shape the future.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required Applied Project course (EGR 593).

Required Core (6 credit hours)

EGR 520 Engineering Analysis (3)

EGR 530 Principles of Systems Engineering (3)

Focus Area (15 credit hours)

Electives (3 or 6 credit hours)

Other Requirement (0 or 3 credit hours)

EGR 535 Engineering Innovation and Entrepreneurship (3)

Culminating Experience (0-6 credit hours)

EGR 593 Applied Project (3) or

EGR 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for a list of approved electives.

The elective credit hours required are dependent upon the chosen culminating experience option. Completion of 30 credit hours of coursework is required for all culminating experience options.

Thesis students are not required to take the EGR 535 course. For applied project and portfolio students, other courses may be used as substitutions with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution, or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume

- GRE test scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Engineering Programs  
<https://poly.engineering.asu.edu/engineering/ms-engineering/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Engineering Education Systems and Design, PHD (ESEESDPHD)

**Online Degree Search Title:** Engineering Education Systems and Design, PhD

**Campus:** Polytechnic

#### Program Description:

The PhD program in engineering education systems and design aims to advance understanding of the engineering education ecosystem. The goal of the program is to enable long-lasting improvement of the learning process and infrastructure in engineering education at all levels (i.e., K-12, higher education, engineering professionals, graduate students, etc.) by emphasizing the study of education as a complex ecosystem that takes into account the multiple inputs, outputs and interactions within an educational setting.

A typical student enters the program with a master's degree in an engineering or a related discipline and selects a research area such as engineering student pathways, increasing participation and retention of underrepresented groups in engineering, making and the maker movement, effective teaching and assessment strategies, the application of learner analytics to relevant data, or entrepreneurship.

Upon completion of the program, graduates are equipped to take competitive positions in top-tier research institutions as exemplary scholars and teachers or as leaders in engineering education in a variety of education settings (e.g., universities, science centers, government agencies, museums, policy setting institutions or industries).

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, and a dissertation.

##### Required Core (18 credit hours)

EGR 535 Engineering Innovation and Entrepreneurship (3)  
EGR 565 Qualitative Methods for Engineering Education Research (3)  
EGR 572 Quantitative Methods for Engineering Education Research (3)  
EGR 574 Engineering Education Systems in Context (3)  
EGR 671 Applications of Qualitative Methods for Engineering Education Research (3)  
EGR 673 Applications of Quantitative Methods for Engineering Education Research (3)

##### Electives and Research (24 credit hours)

electives (12)  
research (12)

##### Culminating Experience (12 credit hours)

EGR 799 Dissertation (12)

#### Additional Curricular Information

Students may be allowed to apply up to 30 credit hours from a previously awarded master's degree to their doctoral program as approved by the academic unit and the Graduate College. If students do not have a master's degree, the remaining 30 credit hours must consist of at least 18

graduate-level credit hours in a particular engineering discipline and at most nine credit hours in support of the student's dissertation research area.

Students are allowed up to six credit hours of 400 level coursework on the student plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- GRE scores
- three writing samples (more details are listed in the application)
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should refer to <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Engineering Programs  
<https://poly.engineering.asu.edu/engineering/phd/>  
WANER 101  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## Engineering Science (Software Engineering), MSE (ESSFEMSE)

**Online Degree Search Title:** Engineering Science (Software Engineering), MSE

**Campus:** Online

**Program Description:**

The MSE in engineering science with a software engineering concentration offers specialized courses founded on the fundamentals and principles of software engineering. The program provides the knowledge and skills needed to work as a software engineer or software task leader on large and small projects using either agile methodologies or formal capability maturity model integration approaches. The program addresses major software development methodologies, techniques, tools and processes for developing and managing software projects. The curriculum is based on the Software Engineering Body of Knowledge under the leadership of the IEEE Computer Society. Each course places an emphasis on applied assignments and projects that are relative to the student's workplace.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours including the required applied project course (CSE 593).

Required Core (6 credit hours)

CSE 565 Software Verification, Validation and Testing (3)

CSE 566 Software Project, Process and Quality Management (3)

Concentration (3 credit hours)

CSE 591 Topic: Software Engineering Principles and Concepts (3)

Restricted Electives (18-21 credit hours)

Culminating Experience (0-3 credit hours)

CSE 593 Applied Project (3)



Portfolio (0)

#### Additional Curriculum Information

For an approved list of restricted electives, students should see the academic unit.

Students select five or six elective courses: five for the applied project option or six for the portfolio option.

Two faculty member-approved 400-level courses may also be selected as electives for the restricted electives.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer engineering, software engineering or a related field from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 12 units of the postbaccalaureate transcript.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must provide evidence of demonstrated expertise in the area of object-oriented programming, advanced data structures, algorithm design and algorithm analysis; maturity in high-level programming (required); and successful completion of Calculus I (a minimum requirement).

GRE scores are not required.

Graduates of non-U.S. institutions must satisfy admission requirements established by the ASU Graduate College.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-engineering-engineering-science-concentration-software/>)

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Dean, Ira A. Fulton Schools of Engineering  
<https://asuengineeringonline.com/>  
CAVC 375  
student-fseonline@asu.edu  
480-965-0637

## Environmental and Resource Management, MS (ESERMMS)

**Online Degree Search Title:** Environmental and Resource Management, MS

**Campus:** Polytechnic

#### Program Description:

The MS program in environmental and resource management provides students who have a background in the sciences, engineering, environmental science, natural resources management, environmental health and safety, or other affiliated areas with the regulatory and technical background to mitigate the environmental impact of industrial sources of pollution, ensure compliance with environmental regulations, and manage and preserve natural ecosystems.

The curriculum focuses on areas such as environmental law, air pollution, soils and groundwater contamination, water law and policy, environmental toxicology, hazardous waste management, natural resources management, occupational health and safety, sustainable development, and international environmental laws and policies.

Graduate courses are available in a traditional face-to-face format as well as web-based distance learning. While the faculty and program are based at the Polytechnic campus, the entire program can be completed online. It is possible to complete the program within two years, including summers. Many students are working professionals and are able to finish the degree while working full time.

Graduates are employed by manufacturing and mining industries, federal, state and local environmental and water agencies, environmental firms, utilities, international agencies such as the U.N. and World Bank, and NGOs.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Business (Global Agribusiness), BA
- Environmental Science, BA
- Environmental Science, BS
- Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (ERM 593).

Required Core (6 credit hours)

ERM 502 Regulatory Framework for Toxic and Hazardous Substances (3) or ERM 527 Environmental/Resources Regulations Concepts (3)

ERM 503 Principles of Toxicology (3)

Track Courses (9 credit hours)

Electives or Research (6-12 credit hours)

Other Requirement (3 credit hours)

ERM 506 Chemistry of Hazardous Materials (3)

Culminating Experience (0-6 credit hours)

ERM 593 Applied Project (3)

ERM 599 Thesis (6)

portfolio (0)

written comprehensive exam (0)

Additional Curriculum Information

Students select either the environmental management track or the international environmental management track.

Students choose one of the culminating experiences listed above. Thesis students take nine credit hours of electives and research; applied project students take twelve credit hours of electives and research; portfolio and written comprehensive exam students take fifteen credit hours of electives and research.

Students should see the academic unit for a complete list of approved electives and track courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in one of the following fields: environmental engineering, environmental and resource management, biology, chemistry, geology, environmental health, environmental management, environmental science, occupational safety and health, environmental technology, industrial hygiene, natural resource management, or a related field.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must meet English proficiency requirements as defined by Graduate Admissions. Students should be sure to review the TOEFL, IELTS, or PTE score requirements as the application will not be processed without valid proof of English proficiency: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The GRE can be waived in some situations. Students should refer to the GRE waiver request for more information and note that submitting the GRE waiver request is not a guarantee of approval: <https://poly.engineering.asu.edu/advising/graduate-students/> (<https://poly.engineering.asu.edu/advising/graduate-students/>).

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/erm/ms-environmental-and-resource-management/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Environmental and Resource Management (Water Management), MS (ESERMWTMS)

**Online Degree Search Title:** Environmental and Resource Management (Water Management), MS

**Campus:** Polytechnic

#### Program Description:

The MS degree program in environmental and resource management provides students with a background in the sciences, engineering, environmental sciences and other related disciplines along with the regulatory and technical backgrounds needed to mitigate the environmental impact of industrial sources of pollution, ensure compliance with environmental regulations, and manage and preserve natural ecosystems.

The concentration in water management focuses on issues of water quality, supply, conservation and augmentation strategies. This program is applicable especially to people who work in municipal, state, federal and tribal water and environmental agencies, water providers to urban and agricultural users, manufacturing and mining industries, as well as those interested in sustainable development in this country and around the world.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Environmental Science, BA
- Environmental Science, BS
- Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (ERM 593).

##### Required Core (6 credit hours)

ERM 502 Regulatory Framework for Toxic and Hazardous Substances (3) or ERM 527 Environmental/Resources Regulations Concepts (3)  
ERM 503 Principles of Toxicology (3)

##### Concentration (9 credit hours)

ERM 523 Soils and Groundwater Contamination (3)  
ERM 533 Water and Wastewater Treatment Technologies (3)  
ERM 535 Water Law and Policy (3)

##### Electives or Research (9-15 credit hours)

##### Culminating Experience (0-6 credit hours)

ERM 593 Applied Project (3)  
ERM 599 Thesis (6)  
portfolio (0)  
written comprehensive exam (0)

#### Additional Curriculum Information

Students choose one of the culminating experiences listed above. Thesis students take nine credit hours of electives and research; applied project students take 12 credit hours of electives and research; portfolio and written comprehensive exam students take 15 credit hours of electives and research.

Students should see the academic unit for the approved course list for electives or research. Other coursework may be used with the approval of the academic unit.

The thesis and applied project options will have an oral defense.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the sciences (biology, chemistry, etc.), engineering, environmental sciences, ecology, environmental policy or related fields from a regionally accredited institution, or international equivalent.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- resume
- personal statement
- letters of recommendation
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must meet English proficiency requirements, as defined by Graduate Admissions. Students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for further English proficiency requirement information, including TOEFL, IELTS, or PTE score requirements. The application will not be processed without valid proof of English proficiency.

The GRE can be waived in some situations. Students should refer to the GRE waiver request (<https://poly.engineering.asu.edu/advising/graduate-students/> (<https://poly.engineering.asu.edu/advising/graduate-students/>)) for more information. Approval of the GRE waiver request does not guarantee admission to the program.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/erm/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## **Graphic Information Technology, MS (ESGITMS)**

**Online Degree Search Title:** Graphic Information Technology, MS

**Campus:** Polytechnic, Online

#### **Program Description:**

The MS program in graphic information technology provides students the opportunity to study within the various areas of graphics and cross-media design. Courses offered provide students with a working knowledge of the technology and management required of the diverse graphic industries.

This program prepares graduates to be industry leaders who develop and manage content through numerous communication and distribution modes. Creative and comfortable with complex digital technology, graduates are innovative problem-solvers prepared for leading roles in the rapidly evolving graphics industry.

#### **Degree Requirements:**

Required Core (3 credit hours)

GIT 537 Current Issues in Cross Media Production

Electives or Research (18-24 credit hours)

Other Requirement (3 credit hours)

GIT 500 Research Methods (3)

Culminating Experience (0-6 credit hours)

GIT 593 Applied Project (3) or

GIT 599 Thesis (6) or

Portfolio (0)

Additional Curriculum Information

Students select an applied project, thesis or portfolio for the culminating experience. The culminating experience selected will determine how many electives or research credit hours the student will need to take to complete 30 credit hours for the program.

Students should note that the thesis option is only available for on-campus students

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or master's degree from a regionally accredited institution in a related field such as graphic design, web design and development, photography, videography, or game art and animation.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- one letter of recommendation (two is preferred)
- professional resume
- GRE scores
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Graphic Information Technology

<https://poly.engineering.asu.edu/git/mstech-graphic-information-technology/>

WANER 101  
polygrad@asu.edu  
480-727-4723

## Human Systems Engineering, MS (ECAPSYCHMS)

**Online Degree Search Title:** Human Systems Engineering, MS

**Campus:** Polytechnic

### Program Description:

The MS program in human systems engineering in the Ira A. Fulton Schools of Engineering provides students with a deep understanding of the science of human performance and experience using methods and tools to apply this understanding to design and to problem solve in a wide variety of domains such as product usability, learning design, sports performance, cyber security, human-robot teaming, and workplace and patient safety.

A broad range of professions needs experts in human factors to work on problems that involve an understanding of human performance. Students gain real-world experience by tackling projects that examine cutting-edge issues such as cell phones as a source of driver distraction, detection of improvised explosive devices, process optimization in health care, and even control of unmanned vehicles.

Interest areas include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, human-robot teaming, health psychology, learning optimization, social cognition, threat detection and sports psychology.

Recent graduates are working at places like Intel, Boeing, GoDaddy, Mayo Clinic, PayPal, Motorola, Google and the Air Force Research Lab. Recipients of this ASU master's degree also have gone on to pursue doctorates at ASU and other prestigious institutions.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Human Systems Engineering, BS
- Human Systems Engineering (User Experience), BS
- Industrial and Organizational Psychology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (HSE 593).

Required Core (9 credit hours)

HSE 520 Methods and Tools in Applied Cognitive Science (3)

HSE 542 Foundations of Human Systems Engineering (3)

PSY 530 Intermed Statistics (3)

Electives and Research (12-18 credit hours)

Other Requirement (3 credit hours)

HSE 598 Data Analytics (3)

Culminating Experience (0 or 6 credit hours)

HSE 593 Applied Project (6) OR

HSE 599 Thesis (6) OR

Portfolio (0)

Additional Curriculum Information

Students have the option of doing a thesis (with industry guidance), an applied project to develop and demonstrate professional knowledge and skills, or a portfolio as the culminating experience.

Students selecting the thesis option will, under faculty supervision, work on the thesis for at least one calendar year. The first three thesis credits will be devoted to developing an idea and preparing a proposal for approval by a faculty committee. The next three credits will allow for preparing the details of research design and data collection for the thesis (materials, computer programs, experimental test beds, questionnaires, etc.). The final six credits will be devoted to collecting and analyzing data and writing and revising the thesis under the direction of the student's committee chair. Students will defend the thesis in an oral examination.

In cases in which a student is engaged in a project initiated by industry, they may opt for the applied project option. Students selecting the applied project option will, under faculty supervision and guided by industry, carry out the applied project in a calendar year in which the 12 credit hours

outside of the core are allocated to a combination of research, applied project and report writing appropriate to the goals of the student and the industry partner. In all cases, the project will culminate in a substantial written report followed by a comprehensive oral examination covering the project and other materials from required courses.

The portfolio should demonstrate a high level of mastery of the principles and practice of human systems engineering through a compilation of work that the student has completed through the course of their graduate study. While the specific details will depend on the student's specialization, all portfolios must describe three notable projects or academic accomplishments that students have completed through the course of graduate study that illustrate the evolution and advancement of the student's technical expertise and mastery of the field of human systems engineering. Submission will include a written document to include an overview of graduate experience and descriptions of projects presented in the portfolio.

Applied project students take 12 elective credit hours, thesis students take nine elective credit hours plus three credit hours of HSE 592 Research, and portfolio students take 18 elective credits.

For the "other requirement," HSE 598 Data Analytics is required. Other courses may be used with approval of the academic unit.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field (including engineering, computer science or business) from a regionally accredited institution.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE general exam scores
- statement of purpose describing professional and academic aspirations
- three letters of recommendation
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International applicants can find complete information on the English proficiency exams and other required documents on the Admission Services website: <https://poly.engineering.asu.edu/hse/ms/> (<https://poly.engineering.asu.edu/hse/ms/>).

The letters of recommendation should be from college professors, employers (in a human factors-related field) or a combination of both academic and professional references

Applicants to this program generally have completed an undergraduate course in statistics.

Only complete applications will be reviewed.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu/hse/ms/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## **Human Systems Engineering, PHD (TSSMACSPHD)**

**Online Degree Search Title:** Human Systems Engineering, PhD

**Campus:** Polytechnic

#### **Program Description:**

Human systems engineering describes a growing transdisciplinary field (including the disciplines of psychology, engineering and computer science) that explores how people interact with technological and social systems in contexts that include transportation, medicine, military, computing and other complex systems. Cognitive science provides the foundation necessary for integrating human capabilities and limitations into complex sociotechnical systems (i.e., the practice of cognitive engineering), and the application of cognitive science relies heavily on human systems engineering methods.

A large domain exists in which the coupling of applied cognitive science with human factors is imperative. Examples include the following:

- development of intelligent agents
- driving simulators for research on driver distraction
- dynamical systems models of team interaction
- gaming simulators for studying business decision-making
- human-in-the-loop simulation studies of cybersecurity analysis
- medical simulation for health care research
- models of cognitive states and processes or sociocultural systems
- nuclear control room simulation for improved human system integration
- pilot training research using aircraft simulators
- simulation of consumer behavior
- tests of future airspace control concepts using air traffic control simulators

This PhD program is designed to produce individuals who are well-grounded and skilled in the methods of human systems engineering. Employers (e.g., Department of Defense, Federal Aviation Administration, Nuclear Regulatory Commission, hospitals, etc.) have an ever-increasing demand for personnel who can bridge the gap between rigorous science and solutions to real-world problems. The doctoral program provides transdisciplinary, research-driven training in the computing, engineering, technology, applied cognitive science and human systems integration.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

HSE 520 Methods and Tools in Applied Cognitive Science (3)

HSE 521 Methods and Tools in Human Systems Engineering (3)

HSE 540 Foundations of Applied Cognitive Science (3)

HSE 542 Foundations of Human Systems Engineering (3)

Foundations (6 credit hours)

Methods and Tools (3 credit hours)

Applications (9 credit hours)

Electives (6-30 credit hours)

Research (6 credit hours)

HSE 792 Research (6) or additional electives as selected by the PhD committee

Culminating Experience (12 credit hours)

HSE 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives.

Electives will be identified by the committee and approved by executive committee's approval.

No more than six credit hours of 400-level course work can be included on a graduate plan of study.

Students may petition the HSE Executive Committee to allow HSE-relevant or dissertation-relevant courses to be included as HSE elective courses.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in psychology, engineering, cognitive science, computer science or closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.



All applicants must submit:

- graduate admission application and application fee
- official transcripts from each college or university attended
- official GRE general exam scores
- statement of research interests
- writing sample
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Complete information on the English proficiency exams and other required documents is available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Applicants should see the program website for application deadlines. Late applications may still be considered for the same application term; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate technical preparation in statistics, cognitive science and experimental methods. Applicants who lack some of the required preparation still may be admitted but assigned deficiency courses which must be completed within the first semester of starting the graduate program while concurrently enrolled in graduate-level coursework. Deficiency courses are assigned after admission is granted but before the start of the student's first semester. A faculty member will notify students with deficiencies and the specific course requirements via email.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu/hse/phd/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Industrial Engineering, MS (ESINDENMS)

**Online Degree Search Title:** Industrial Engineering, MS

**Campus:** Tempe, Online

#### Program Description:

The industrial engineering MS program prepares students to give practical and economically efficient solutions to real-life, complex problems, solutions that require a system level approach. Examples of these problems include health delivery, food and energy systems as well as those that arise in the strategic planning of manufacturing, logistics operations and service industries. Some of the tools used to address these problems include statistics, optimization, computer simulation and advanced analytics.

The industrial engineering program at Arizona State University is recognized for its high-impact, agile, interdisciplinary, results-oriented research on the most pressing societal needs, and it is consistently ranked among the top 20 graduate programs in the United States. The program is immersed in the innovation environment that permeates Arizona State University, and its faculty members are internationally recognized for their innovative research projects, funded both by government and industry.

#### Concurrent Degrees:

This degree is also offered as concurrent degree program with W. P. Carey MBA - Online Program

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering Management, BSE
- Industrial Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

Required Core (12 credit hours)

IEE 505 Information Systems Engineering (3) or IEE 506 Web-Enabled Decision Support Systems (3)  
Academic Catalog Archive 2019-2020

IEE 545 Simulating Stochastic Systems (3) or IEE 561 Production Systems (3)  
IEE 572 Design Engineering Experiments (3) or IEE 573 Reliability Engineering (3) or IEE 578 Regression Analysis (3)  
IEE 574 Applied Deterministic Operations Research (3) or IEE 575 Applied Stochastic Operations Research Models (3)

Elective (0-6 credit hours)

Related Area (9-12 credit hours)

Culminating Experience (0-6 credit hours)

IEE 599 Thesis (6) or  
Written Comprehensive Exam (0)

Additional Curriculum Information

The Master of Science in industrial engineering is a 30-credit hour program which has a thesis and a nonthesis track. The thesis track requires 24 credit hours of coursework, six credit hours of thesis, a written thesis and a final oral examination. The nonthesis track requires 30 credit hours of coursework and a comprehensive exam.

At the time of admission, students' applications are considered primarily for the nonthesis track. After matriculating at Arizona State University, a student may consult with and receive approval from the industrial engineering faculty to pursue the thesis track.

Students must successfully defend the thesis or pass the written comprehensive examination to graduate.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from all institutions attended
- a statement of purpose
- GRE scores
- three letters of recommendation
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" (scale is 4.00 = "A") or higher.

A student with any deficiency coursework must complete each deficiency with a grade of "B" or better (scale is 4.00 = "A") within two semesters of admission to the program. Deficiency courses include:

CSE 110 Principles of Programming  
CSE 205 Object-Oriented Programming and Data Structures  
IEE 376 Operations Research Deterministic Techniques/Applications  
IEE 380 Probability and Statistics for Engineering Problem Solving  
IEE 470 Stochastic Operations Research  
MAT 242 Elementary Linear Algebra

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-business-administration-master-science-industrial-engineering/>)

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Industrial, Systems & Operations Engineering Prgm

<https://cidse.engineering.asu.edu/forstudent/graduate/industrial-engineering/>  
CTRPT 105  
cidse.advising@asu.edu  
480-965-3199

## Industrial Engineering, PHD (ESINDENPHD)

**Online Degree Search Title:** Industrial Engineering, PhD

**Campus:** Tempe

### Program Description:

The PhD program in industrial engineering engages students in fundamental and applied research.

The overall educational objective of graduate study in industrial engineering is to improve each student's ability to identify, define and solve problems and perform original research to address the underlying causes of these problems. Industrial engineers develop qualitative and quantitative abilities to guide the design and operation of sustainable organizations and systems.

This doctoral program provides a rigorous education and provides students with research and educational experiences. A large fraction of these students are be involved in applied research projects that are carried out in the context of government or privately-funded research. The program provides students access to many opportunities to participate in highly impactful research projects and interact with the leaders of the subfield that they choose to study and specialize in. Hence, many of them graduate with significant accomplishments resulting from the work they performed during the course of their doctoral study.

Graduates of the program are prepared for careers in academia, government and industry doing teaching, advanced research, and developing and making use of advanced techniques for the operation of their businesses.

### Degree Requirements:

85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

#### Required Core (15 credit hours)

IEE 605 Foundations of Information Systems Engineering (3)

IEE 620 Optimization I (3)

IEE 622 Optimization II (3)

IEE 640 Probability and Stochastic Processes (3)

IEE 670 Mathematical Statistics (3)

#### Electives (42 credit hours)

#### Research and Internship Required Coursework (16 credit hours)

IEE 594 Conference and Workshop (1)

IEE 700 Research Methods (1)

IEE 784 Teaching Internship (1)

IEE 790 Reading and Conference (1) OR IEE 584 Internship (1)

IEE 792 Research (12)

#### Culminating Experience (12 credit hours)

IEE 799 Dissertation (12)

#### Additional Curriculum Information

Students are required to complete five core courses within the first year of full-time enrollment in the doctoral program. To be allowed to continue in the program after completion of the core courses, each student must take and successfully pass a qualifying exam on three of the five core courses.

Eligible students can request a master's in passing after successfully completing the qualifying exam and completing 30 credit hours in the doctoral program.

A written and an oral comprehensive examination are required no later than the semester following completion of 57 credit hours of coursework in the plan of study. The student must also successfully defend the dissertation prospectus and the dissertation research.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" or higher (scale is 4.00 = "A").

A student with any deficiency coursework must complete each deficiency with a grade of "B" (3.00) or better within two semesters of admission to the program.

Deficiency courses include:

CSE 110 Principles of Programming  
CSE 205 Object-Oriented Programming and Data Structures  
IEE 376 Operations Research Deterministic Techniques/Applications  
IEE 380 Probability and Statistics for Engineering Problem Solving  
IEE 470 Stochastic Operations Research  
MAT 242 Elementary Linear Algebra

Students should see the program website for application deadlines.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Industrial, Systems & Operations Engineering Prgm  
<https://cidse.engineering.asu.edu>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## Information Technology, MS (TSIFTMS)

**Online Degree Search Title:** Information Technology, MS

**Campus:** Polytechnic, Online

**Program Description:**

The MS program in information technology teaches advanced technology skills to prepare students for careers in industry, education or government.

Students gain the ability to conceptualize, organize and realize information technology projects that meet the needs of users within an organizational or societal context. Students select coursework that encompasses core technologies in one of three focus areas: computer architecture and information security, information systems management and development, and enterprise computing.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Information Technology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours including the required applied project course (IFT 593).

Required Core (9 credit hours)

IFT 510 Principles of Computer and Information Technology (3)  
IFT 530 Information Analysis, Modeling, Representation and Communication (3)  
IFT 540 Software Development for Information Technology (3)

Other Requirement (3 credit hours)

IFT 598 Topic: Advanced Information Systems Security

Open Elective (3 credit hours)

Focus Area Electives (12 - 15 credit hours)

Culminating Experience (0 or 3 credit hours)

IFT 593 Applied Project (3) or  
portfolio (0)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved coursework.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely related field from a regionally accredited college or university.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE test scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency as defined by Graduate Admission Services: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The applicant should review the TOEFL, IELTS or PTE score requirements as applications will not be processed without valid proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/information-technology-ms/>)

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Information Technology  
<https://poly.engineering.asu.edu/it/ms-information-technology/>  
WANER 101  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## **Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)**

**Online Degree Search Title:** Lean Six Sigma Black Belt (Graduate Certificate)

**Campus:** Tempe, Online

### **Program Description:**

The Lean Six Sigma Black Belt graduate certificate is designed for engineers and managers who oversee tactical and strategic projects as well as various operational functions in their organizations.

The certificate program aims to provide students with a set of contemporary tools to produce measurable improvements in business processes. In particular, graduates of the certificate program gain an in-depth understanding of the Six Sigma Define, Measure, Analyze, Improve, Control process and the tools used to achieve effective process and product improvement; develop the leadership and team-building skills necessary to oversee continuous improvement projects with many stakeholders; and understand how lean principles and design for Six Sigma fit into the overall

task of product and process improvement.

The culminating experience is in line with the Black Belt certification requirements used nationwide in similar certification programs.

**Degree Requirements:**

15 credit hours including the required capstone courses (IEE 585).

Required Core (6 credit hours)

IEE 570 Advanced Quality Control (3)

IEE 581 Six Sigma Methodology (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

IEE 585 Six Sigma Capstone (3)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Required Prerequisite Courses:

CSE 110 Principles of Programming with Java, or equivalent

IEE 380 Probability and Statistics for Engineering Problem Solving, or equivalent

MAT 267 Calculus for Engineers III, or equivalent

No more than 40 percent of coursework toward the requirements of a graduate certificate may be completed prior to admission to the certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/lean-six-sigma-black-belt-graduate-certificate/>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Industrial, Systems & Operations Engineering Prgm

<https://cidse.engineering.asu.edu/forstudent/graduate/lean-six-sigma-black-belt/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## Manufacturing Engineering, MS (TSMEGRMS)

**Online Degree Search Title:** Manufacturing Engineering, MS

**Campus:** Polytechnic

**Program Description:**

Manufacturing engineering draws upon two distinct bodies of knowledge: manufacturing processes (i.e., how materials are altered in either shape or properties) and the processes of manufacturing (i.e., manufacturing systems and management). This combination of topics is embedded in the MS program in manufacturing engineering, and students can follow their interests by developing deeper expertise in either manufacturing processes or the processes of manufacturing.

The program provides advanced technical content to help students prepare for career transitions and improve company competitiveness. It consists of a core set of courses designed to provide all students with advanced knowledge of manufacturing fundamentals and an introduction to systems engineering. The expertise developed in the core curriculum supports student focus areas building on existing unit faculty strengths, including automation, additive and subtractive manufacturing processes (including computer numerical control machining), modeling and simulation, electronics manufacturing and manufacturing management.

Thesis, applied project and portfolio options are offered for the culminating experience.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE
- Manufacturing Engineering, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required Applied Project course (EGR 593).

Required Core (6 credit hours)

EGR 520 Engineering Analysis (3)

EGR 522 Statistics for Quality Control in Manufacturing (3)

Electives (15-21 credit hours)

Other Requirement (3 credit hours)

EGR 598 Topic: Manufacturing Systems Management (3)

Culminating Experience (0-6 credit hours)

EGR 593 Applied Project (3) or

EGR 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

EGR 598 Topic: Manufacturing Systems Management may be substituted with approval from the academic unit.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in engineering, physical sciences, mathematics or similar from a regionally accredited U.S. institution, or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that institution's country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume and personal statement
- GRE scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the Graduate Admission Services website for requirements. <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Engineering Programs  
<https://poly.engineering.asu.edu/engineering/ms-manufacturing-engineering/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Materials Science and Engineering, MS (ESMATEMS)

**Online Degree Search Title:** Materials Science and Engineering, MS

**Campus:** Tempe, Online

#### Program Description:

The MS program in materials science and engineering prepares engineers for doctoral study or industrial positions that specialize in research, project management and product innovation in materials science and engineering. The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in thermodynamics, structures and mechanical properties; kinetics; optical and magnetic properties; materials characterization; and energy production and storage.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Chemical Engineering, BSE
- Materials Science and Engineering, BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

32 credit hours and a portfolio, or 32 credit hours and a thesis.

##### Required Core (6 credit hours)

- MSE 523 Structural and Mechanical Properties of Materials (3)
- MSE 524 Advanced Thermodynamics (3)
- MSE 525 Fundamentals of Electrical, Optical, and Magnetic Materials and Device Applications (3)
- MSE 561 Phase Transformations, Kinetics and Diffusion in Solids (3)

##### Technical Electives (18 or 24 credit hours)

##### Other Requirement (2 credit hours)

- MSE 591 Seminar (2)

##### Culminating Experience (0 or 6 credit hours)

- MSE 599 Thesis (6) or  
portfolio (0)

#### Additional Curriculum Information

The materials science and engineering MS program has two options: thesis and nonthesis.

All students are admitted to the nonthesis option. The nonthesis option requires a portfolio. During the last semester of their program, students in the portfolio option submit a portfolio containing at least two projects from previous materials science and engineering coursework along with a paper explaining the projects. Students must successfully complete the portfolio requirements to pass the culminating experience. Students completing a portfolio must also take an extra six credit hours of elective coursework to reach the required 32 credit hours for the program.

If students wish to change to the thesis option, a faculty advisor has to be secured, and then a petition can be submitted to change to the thesis



option. Students in the thesis option must complete a thesis and pass the thesis defense examination.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Admission to the materials science and engineering graduate program is highly competitive. All applicants must submit:

- graduate admission application and application fee
- official transcripts from all prior institutions attended
- official GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants whose native language is not English are required to achieve a minimum score of 90 on the Internet-based TOEFL.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review and admission is not guaranteed.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-materials-science-and-engineering/>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Materials Science and Engineering Program  
<https://semte.engineering.asu.edu/materials-science-graduate/>  
ECG 207  
semtegrad@asu.edu  
480-965-4979

## Materials Science and Engineering, PHD (ESENMATPHD)

**Online Degree Search Title:** Materials Science and Engineering, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in materials science and engineering prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

This field draws upon a fundamental base of knowledge, with underpinnings in physics, chemistry and engineering. The program extends that knowledge to address a broad range of materials-driven challenges, such as energy efficiency, sustainability, functional nanostructures, electronic materials, biomaterials and polymers.

Interdisciplinary in nature, the curriculum offers required courses in four core subjects:

- advanced thermodynamics
- kinetics and phase transformations
- physics of materials
- structure and properties of materials

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

MSE 523 Structural and Mechanical Properties of Materials (3)

MSE 524 Advanced Thermodynamics (3)

MSE 525 Fundamentals of Electrical, Optical, and Magnetic Materials and Device Applications (3)

MSE 561 Phase Transformations, Kinetics and Diffusion in Solids (3)

Electives (3-18 credit hours)

Research (24-39 credit hours)

MSE 792 Research

Other Requirement (3 credit hours)

MSE 591 Seminar (3)

Culminating Experience (12 credit hours)

MSE 799 Dissertation (12)

Additional Curriculum Information

Students entering with a bachelor's degree are required to complete a minimum of 18 credit hours of elective coursework. Graduate elective courses may be selected from any of the graduate courses in the materials science and engineering curriculum as well as elective courses from related disciplines (e.g., chemistry, physics, electrical engineering), subject to approval by the faculty advisor. These courses should comprise a focused plan of study with emphasis in a particular area of materials science, organized in consultation with faculty supervisory committee.

Students entering the doctoral program with a master's degree need to complete 24 credit hours of research (MSE 792). Students entering with a bachelor's degree are required to complete 39 credit hours of research (MSE 792).

MSE 591 is a one credit hour course to be taken in three semesters. The seminar course consists of a series of seminars presented by invited speakers and graduate students. Doctoral students are required to give a seminar presentation once during the academic year after they have begun their research.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research coursework as specified by the academic unit. If the master's degree has not been completed, a maximum of 12 credit hours of graduate work may be applied with program approval.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited U.S. or international institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Admission to the materials science and engineering doctoral program is highly competitive. All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Once the application file is complete, the file is forwarded to the faculty admissions committee for evaluation and recommendation.

The admission process considers all aspects of the student's application. The typical successful applicant has at least a 3.25 cumulative GPA (scale is 4.00 = "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE scores as well as high TOEFL scores for those whose native language isn't English.

Financial aid is available to highly qualified students. The most common type of financial aid is teaching and research assistantships, which are

accompanied by tuition waivers and major medical insurance benefits. Other types of financial aid include Ira A. Fulton Schools of Engineering fellowships and Science Foundation Arizona fellowships.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Materials Science and Engineering Program  
<https://semte.engineering.asu.edu/materials-science-graduate/>  
ECG 207  
semtegrad@asu.edu  
480-965-4979

## Mechanical Engineering, MS (ESMEMS)

**Online Degree Search Title:** Mechanical Engineering, MS

**Campus:** Tempe

**Program Description:**

The MS program in mechanical engineering prepares engineers for doctoral study or industrial positions that specialize in research, project management and product innovation in mechanical engineering. The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aerospace Engineering (Aeronautics), BSE
- Aerospace Engineering (Astronautics), BSE
- Aerospace Engineering (Autonomous Vehicle Systems), BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Major Area of Emphasis (12 or 15 credit hours)

Electives (6 or 9 credit hours)

Mathematics (6 credit hours)

Culminating Experience (0 or 6 credit hours)

MAE 599 Thesis (6) or  
portfolio (0)

**Additional Curriculum Information**

This program offers two culminating experience options: a thesis option and a nonthesis (portfolio) option. All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the thesis option.

The plan of study must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of approved courses at the 500 level and above, with a minimum cumulative GPA of 3.00 or above.

Coursework for the major area of emphasis is restricted to MAE coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency; a minimum score of 80 on the internet-based TOEFL is required.

Admission to the mechanical engineering graduate program is highly competitive and preferred applicants have an undergraduate degree in aerospace engineering or mechanical engineering.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review and admission is not guaranteed.

Applicants should see the program website for application deadlines.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/mechanical-graduate/>  
ECG 207  
semtegrad@asu.edu  
480-965-4979

## Mechanical Engineering, PHD (ESMEPHD)

**Online Degree Search Title:** Mechanical Engineering, PhD

**Campus:** Tempe

**Program Description:**

This PhD program in mechanical engineering emphasizes original research and provides students with a strong background for employment by academic institutions, government laboratories and industrial research laboratories with a focus on mechanical engineering. The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy. Modern computational and laboratory facilities are available to support timely research investigations.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

84 credit hours

qualifying exams

written and oral comprehensive exams

prospectus

dissertation

All students pursuing the doctorate are required to pass both a qualifying and a comprehensive examination administered by the program committee.

credit hours of coursework directly related to the research area (18)

credit hours of mathematics (9)

credit hours of graduate elective courses outside the major research area (9)

MAE 792 Research

MAE 799 Dissertation credit hours (12)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from an accredited U.S. or international institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency and is required to achieve a minimum score of 80 on the Internet-based TOEFL.

Admission to the mechanical engineering doctoral program is highly competitive and preferred applicants have an undergraduate or Master of Science degree in aerospace engineering or mechanical engineering. The admission process considers all aspects of the student's application and admission is not guaranteed. The typical successful applicant has at least a 3.25 cumulative GPA (scale is 4.00 = "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE and a successful applicant whose native language isn't English would also have a high TOEFL score.

Applicants should see the program website for application deadlines.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/mechanical-graduate/>  
ECG 207  
semtegrad@asu.edu  
480-965-4979

## Molecular, Cellular, Tissue, and Biomaterials Engineering (Certificate), Certificate (ESMCTBGRCT)

**Online Degree Search Title:** Molecular, Cellular, Tissue and Biomaterials Engineering (Graduate Certificate)

**Campus:** Tempe, Online

This program is not accepting applications at this time.

**Program Description:**

Engineers are rapidly improving in their capability to manipulate the components of biological systems. Approaches for localized delivery of drugs, genetic manipulations of cells, and building of tissue scaffolds are changing rapidly.

The certificate program in molecular, cellular, tissue and biomaterials engineering exposes students to many of the principles and techniques which are central to molecular, cellular, tissue and biomaterials engineering. Students who complete the program have a set of skills that enables them to participate in engineering biological systems at levels from the molecular to tissues.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)  
BME 533 Transport Processes I (3)

Electives (12 credit hours)

#### Additional Curriculum Information

Students should see the academic unit for an approved list of elective courses.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students should see below for more information.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students must have a BS or BSE in biomedical engineering, or a BS or BSE in engineering plus advanced (postbaccalaureate) training in medicine, physiology or related fields, or a BS in a science discipline, plus additional background work in biology, thermodynamics, fluids, transport and additional work in medicine, physiology, or related fields. Specifically, applicants will need to demonstrate equivalent proficiency in at least four of the following five areas:

- biomaterials
- electrical networks or circuits
- engineering mechanics
- fluid mechanics or engineering transport
- thermodynamics or physical chemistry

No admission exams are required.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
School of Biological & Health Systems Engineering  
<https://sbhse.engineering.asu.edu>  
ECG 334  
[sbhse-advising@asu.edu](mailto:sbhse-advising@asu.edu)  
480-965-3028

## Neural Engineering (Certificate), Certificate (ESNENGRCT)

**Online Degree Search Title:** Neural Engineering (Graduate Certificate)

**Campus:** Online

ASU is not currently accepting applications for this program.

#### Program Description:

Technologies for ameliorating neural disorders, such as epilepsy, stroke, and paralysis, are developing rapidly. Understanding and deploying these technologies require specialized skills in neurophysiology, bioelectricity and neural-electronic interfaces. The certificate program in neural engineering prepares clinical, industrial and academic practitioners with those skills through courses in areas of knowledge in neurophysiology, neuroanatomy and neuropathology. Students then go on to learn of the state-of-the-art neurotechnologies applied to current neural disorders as well as the biophysics which these devices exploit.

#### Degree Requirements:

15 credit hours.

Required Core (6 credit hours)

BME 526 Introduction to Neural Engineering (3)

BME 561 Clinical Neuroscience (3)

Electives (9 credit hours)

#### Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students should see below for more information.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The English proficiency requirement for international applicants is equivalent to the ASU Graduate College policy: TOEFL of at least 550 PBT or 80 iBT, or IELTS overall band score of 6.5.

Applicants must have earned a BS or BSE or master's degree in biomedical engineering, or have earned a BS or BSE in engineering and have advanced (postbaccalaureate) training in medicine, physiology or related fields, or a BS in a science discipline, plus have additional background work in thermodynamics, fluids, transport and additional work in medicine, physiology or related fields. Specifically, applicants will need to demonstrate equivalent proficiency in at least four of the following six areas:

- biomaterials
- electrical networks or circuits
- engineering mechanics
- fluid mechanics or engineering transport
- signals and systems or control systems
- thermodynamics or physical chemistry

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
School of Biological & Health Systems Engineering  
<https://sbhse.engineering.asu.edu>  
ECG 334  
[sbhse-advising@asu.edu](mailto:sbhse-advising@asu.edu)  
480-965-3028

## Nuclear Power Generation (certificate), Certificate (ESNPGGRCT)

**Online Degree Search Title:** Nuclear Power Generation (Graduate Certificate)

**Campus:** Tempe, Online

#### Program Description:

The nuclear power generation graduate certificate program is a transdisciplinary professional option within the Ira A. Fulton Schools of Engineering. The goal of the program is to prepare students and professionals from a variety of engineering and scientific disciplines to work effectively in the nuclear energy industry, including in nuclear power plants, government regulatory agencies and national laboratories. The certificate program offers students a comprehensive, transdisciplinary education as courses from multiple academic units constitute the core and elective classes.

Students typically begin with the study of nuclear science and engineering fundamentals. Subsequent core courses focus on nuclear power plant dynamics and diagnostics, nuclear power plant operations and safety, nuclear reactor theory and design, and structural materials in nuclear power systems.

Elective courses allow students to tailor the remaining studies toward facilitating their career goals and focusing on studies tied to their discipline. Example elective courses include nuclear power engineering, health physics and electrical power plants.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

EEE 562 Nuclear Reactor Theory and Design (3)

EEE 563 Nuclear Reactor System Dynamics and Diagnostics (3)

EEE 564 Interdisciplinary Nuclear Power Operations (3)

Electives (6 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they hold a bachelor's degree from a regionally accredited institution in an engineering or science discipline, such as physics, chemistry and mathematics.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless current residency) must provide proof of English proficiency.

Transcripts should be submitted for all undergraduate and graduate coursework taken.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-nuclear-power-generation/>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Electrical Engineering Program

<https://ecee.engineering.asu.edu/>

GWC 209

askee@asu.edu

480-965-3424

## Robotics and Autonomous Systems, MS (ESRASMS)

**Online Degree Search Title:** Robotics and Autonomous Systems, MS

**Campus:**

ASU is not currently accepting applications for this program. Applicants interested in the Robotics and Autonomous Systems program should apply directly to the electrical engineering, mechanical and aerospace engineering, systems engineering, or artificial intelligence concentrations.

**Program Description:**

The MS degree program in robotics and autonomous systems is a multidisciplinary program emphasizing robotics, controls, autonomous systems, artificial intelligence and related fields. Students must choose one of four concentrations: mechanical and aerospace engineering, systems engineering, electrical engineering or artificial intelligence.

**Degree Requirements:**

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)



Concentration (6-12 credit hours)

Electives or Research (6-18 credit hours)

Culminating Experience (0-6 credit hours)

CSE 599 Thesis, or EGR 599 Thesis, or EEE 599 Thesis, or MAE 599 Thesis (6), or EGR 593 Applied Project or MAE 593 Applied Project (3); or written comprehensive exam (0); or portfolio (0)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should apply directly to one of the available concentrations.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Dean, Ira A. Fulton Schools of Engineering  
<https://graduate.engineering.asu.edu/graduate-programs/>  
BYENG 691AA  
FultonSchools@asu.edu  
480-727-1585

## Robotics and Autonomous Systems (Artificial Intelligence), MS (ESRASAIMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Artificial Intelligence), MS

**Campus:** Tempe

**Program Description:**

One of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields is the artificial intelligence concentration. This concentration is appropriate for students who wish to focus on applications in artificial intelligence and computer science.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)

Concentration (12 credit hours)

Electives or Research (6-12 credit hours)

Culminating Experience (0-6 credit hours)  
CSE 599 Thesis (6), or  
portfolio (0)

#### Additional Curriculum Information

Students are required to select one of the approved culminating experiences for the concentration.

Students should see the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the Graduate Program Committee.

A defense is required for the thesis option.

The portfolio is a compilation of three projects that are finished in the required concentration courses. Students must write a portfolio report that includes the highlights of the three projects.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/>  
CTRPT 105  
CIDSE.Advising@asu.edu  
480-965-3199

## Robotics and Autonomous Systems (Electrical Engineering), MS (ESRASEEMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Electrical Engineering), MS

**Campus:** Tempe

#### Program Description:

One of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields is the electrical engineering concentration. This concentration is appropriate for students who wish to focus on applications in electrical engineering.

#### Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours and a written exam.

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)

EEE 599 Thesis (6), or  
written comprehensive exam (0), or  
portfolio (0)

Additional Curriculum Information

Students are required to select one of the approved culminating experiences for the concentration.

Students should refer to the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the Graduate Program Committee. Three credit hours of internship may be included among the electives.

A defense is required for the thesis option.

The portfolio includes a poster presentation with content from courses taken in the program. Students must write a portfolio report that includes the highlights of the three projects.

For students who select the comprehensive exam as the culminating experience, a written comprehensive exam is required. Students should see the academic unit for additional information.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
AskEE@asu.edu  
480-965-3424

## Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS (ESRASMAEMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

**Campus:** Tempe

**Program Description:**

One of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields is the mechanical and aerospace engineering concentration. This concentration is appropriate for students who wish to focus on applications in mechanical or aerospace engineering.

**Degree Requirements:**

30 credit hours and a Portfolio, or 30 credit hours and a Thesis, or 30 credit hours including the required applied project course (MAE 593).

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)

MAE 599 Thesis (6), or

MAE 593 Applied Project (3), or

portfolio (0)

Additional Curriculum Information

Students are required to select from one of the available concentrations and one of the approved culminating experiences for the concentration.

Students should see the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the Graduate Program Committee. Three credit hours of internship may be included among the electives.

A defense is required for the thesis option.

The applied project requires a written report and an oral presentation.

The portfolio includes a poster presentation with content from courses taken in the program. Students must write a portfolio report that includes the highlights of the three projects.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

School for Engineering of Matter, Transport & Energy

<https://semte.engineering.asu.edu/>

ECG 207

semtegrad@asu.edu

## Robotics and Autonomous Systems (Systems Engineering), MS (ESRASSEMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Systems Engineering), MS

**Campus:** Polytechnic

### Program Description:

One of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields, is the systems engineering concentration. This concentration is appropriate for students who wish to focus on applications in systems engineering.

### Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (EGR 593).

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)

EGR 599 Thesis (6), or

EGR 593 Applied Project (3), or

portfolio (0)

Additional Curriculum Information

Students are required to select one of the approved culminating experiences for the concentration.

Students should see the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics, or others approved by the Graduate Program Committee. Three credit hours of internship may be included among the electives.

A defense is required for the thesis option.

The applied project requires a written report and an oral presentation.

The portfolio includes a summary of the graduate program and a report highlighting three projects from the program.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Engineering Programs  
<https://poly.engineering.asu.edu/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Sensor Signal and Information Processing (Certificate), Certificate (ESSSIPGRCT)

**Online Degree Search Title:** Sensor Signal and Information Processing (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate program in sensor signal and information processing provides background and application-oriented training in processing and interpreting signals acquired from sensors. The focus is on building knowledge and skills in several sensor network applications.

The program includes courses on signal and data processing for sensor systems. Course topics include digital signal processing, random signal theory, detection and estimation, sensor systems, big data and machine learning. The certificate may be completed with on-campus coursework and iCourses.

The certificate is a professional graduate program. The area of sensor information extraction and interpretation is an enabler for several applications, including health, sustainability, media, communications and security.

**Degree Requirements:**

18 credit hours.

Required Core (10 credit hours)

EEE 407 Digital Signal Processing (3) or EEE 509 DSP Algorithms and Software (3)

EEE 517 Sensors and Machine Learning (1)

EEE 554 Random Signal Theory (3)

EEE 556 Detection and Estimation Theory (3) or EEE 606 Adaptive Signal Processing (3)

Electives (6 credit hours)

Additional Curriculum Information

Students choose from EEE 407 or EEE 509 and EEE 556 or EEE 606 as part of the core coursework.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in an engineering or a science discipline such as physics, mathematics or computer science from an accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee

- official transcripts
- statement of purpose
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Regular admission will be granted to applicants who have at least 3.00 GPA or equivalent (scale is 4.00 = "A") and are competitive in the applicant pool. All prerequisites to the sensor signal and information processing certificate required courses must be in place (EEE 203 and EEE 350 from ASU, or signals and systems and random signals course equivalents from other universities).

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
 Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
 GWC 209  
 askee@asu.edu  
 480-965-3424

## Software Engineering, MS (TSSERMS)

**Online Degree Search Title:** Software Engineering, MS

**Campus:** Polytechnic

#### Program Description:

The MS program in software engineering focuses on developing advanced knowledge and abilities in the design and application of software. The program involves the application of engineering principles to software development including design methodologies, operation principles and maintenance and testing approaches. The Master of Science program in software engineering builds upon the BS program in software engineering and is aimed at developing professional skills in this discipline as well as providing opportunities for students to engage in and develop research abilities.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Software Engineering, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required capstone course SER 517.

Required Core (9 credit hours)

SER 501 Advanced Data Structures and Algorithms (3)

SER 502 Emerging Languages and Programming Paradigms (3)

SER 515 Foundations of Software Engineering (3)

Electives (15-18 credit hours)

Culminating Experience (3 or 6 credit hours)

SER 517 Software Factory I (3) or

SER 599 Thesis (6)

#### Additional Curriculum Information

Students should see the academic unit for a list of approved electives.

For the culminating experience, students have the choice of completing the capstone course (SER 517) or a thesis (SER 599). Completion of 30 credit hours of coursework is required for all culminating experience options.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely related field from a regionally accredited institution (or international equivalent).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE test scores
- three letters of recommendation
- personal statement
- proof of English language proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 240 Introduction to Programming Languages

CSE 360 Introduction to Software Engineering

SER 222 Design and Analysis of Data Structures and Algorithms OR CSE 310 Data Structures and Algorithms

SER 334 Operating Systems and Networks OR CSE 330 Operating Systems

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Software Engineering

<https://cidse.engineering.asu.edu/forstudent/graduate/software-engineering/>

PICHO 245

[cidse\\_gradpoly@asu.edu](mailto:cidse_gradpoly@asu.edu)

480-727-3520

## Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)

**Online Degree Search Title:** Solar Energy Engineering and Commercialization, PSM

**Campus:** Tempe

**Program Description:**

The PSM program in solar energy engineering and commercialization offers advanced, interdisciplinary education in solar energy to students with backgrounds in science, technology, engineering or mathematics, i.e., STEM fields. The objective of the program is to enable graduates to pursue careers in industry, government or the nonprofit sector that involve solar energy and its utilization.

Students in the program must select courses from technical and nontechnical tracks, including solar energy policy, spanning a number of academic programs and schools. Opportunities exist for engagement with the solar energy industry or government policymakers, leading to a required applied research project that culminates the program. The degree program is meant to be completed in 12 months by full-time students.



**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Electrical Systems), BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (SEC 593).

Required Core (9 credit hours)

GCU 598 Special Topics (1)

HSD 594 Conference and Workshop (2)

SEC 588 Solar Energy Colloquium (3)

one approved solar photovoltaic graduate course (3)

Electives (15 credit hours)

Culminating Experience (6 credit hours)

SEC 593 Applied Project (6)

Additional Curriculum Information

Of the electives, six credit hours must be selected from the list of technical courses and six credit hours must be selected from the list of nontechnical courses. An additional three credit hours are required and can be selected from either the technical or nontechnical course list. Students should see the academic unit for the approved course lists.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in a field such as science, technology, engineering and mathematics from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from each institution from which a degree was earned
- general GRE
- three letters of recommendation
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum TOEFL requirement is 550 (PBT) or 80 (iBT; a score of 90 or higher is recommended). The minimum IELTS requirement is an overall band score of 6.5, with a score of 7.0 or higher recommended. The minimum Pearson Test of English requirement is 60.

Other details regarding English proficiency requirements are described on the Graduate College website at

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

**Contact Information:**

Engineering, Ira A. Fulton Schools of

School for Engineering of Matter, Transport & Energy

<https://semte.engineering.asu.edu/solar-energy-engineering-commercialization/>

ENGR 354

PSM.Solar.Energy@asu.edu

480-965-5584

## Sustainable Engineering, MSE (ESSUEMSE)

**Online Degree Search Title:** Sustainable Engineering, MSE

**Campus:** Online

### Program Description:

The MSE in sustainable engineering is a multidisciplinary graduate program ideal for professionals and graduate-level students with engineering and physical science backgrounds who wish to design a flexible individualized plan of study.

Courses cover such sustainable engineering topic areas as energy systems and alternative energy production, water, transportation, earth systems engineering, industrial ecology, life cycle assessment, environmental technologies, green construction practices and sustainable technology systems.

The goal of sustainable engineering is to enable long-lasting improvement of the human condition. Sustainable engineering transcends traditional engineering education by integrating considerations of complex social, environmental, political and economic factors into engineering theory and practice in order to achieve more economically, technically, environmentally, institutionally, and socially efficient and robust solutions.

### Degree Requirements:

30 credit hours including a capstone course and a written comprehensive exam, or 30 credit hours including a thesis and written comprehensive exam, or 30 credit hours including the required applied project course (CEE 593) and a written comprehensive exam.

Required Core (12 credit hours)

Infrastructure Systems Track Courses (9 credit hours) or

Energy Systems Track Courses (9 credit hours) or

Earth Systems Engineering and Industrial Ecology Track Courses (9 credit hours)

Electives (3 credit hours)

Culminating Experience (6 credit hours)

Additional Curriculum Information

Students complete nine credit hours in a selected track. Available track options are infrastructure systems, energy systems, and earth systems engineering and industrial ecology.

Students should see the academic unit for an approved course list.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or master's degree in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students with a degree in civil engineering, environmental engineering, construction engineering, mechanical engineering or with an engineering degree other than these listed may be admitted, with deficiencies as identified by the sustainable engineering faculty, if appropriate. If the applicant does not have an undergraduate degree in any of these programs, additional requirements may be necessary based upon the applicant's background, including sufficient courses in mathematics that include but are not limited to calculus, differential equations and linear algebra. A faculty committee will determine which required courses are needed on a case-by-case basis.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-engineering/>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Sustainable Engineering & Built Environment  
<https://ssebe.engineering.asu.edu/graduate/sustainable/>  
CAVC 437  
Sebe.advising@asu.edu  
480-965-0595

## Systems Engineering, PHD (ESSYSPHD)

**Online Degree Search Title:** Systems Engineering, PhD

**Campus:** Polytechnic

**Program Description:**

The PhD in systems engineering is a transdisciplinary graduate program offered by the Polytechnic School. The program is aimed at advancing the understanding of complex engineering systems, where these systems are inclusive of technological aspects as well as social, cultural, environmental and other interacting components that impact the input, output and interactions within a system. The program prepares students to identify, model, analyze, interpret, optimize and manage the multidimensional interactions of the ever-increasing complexity of modern technological and societal challenges.

A typical incoming student in this program would have a master's degree in engineering or related discipline. The core curriculum provides the foundation for systems thinking, systems identification, systems modeling and systems design and analysis using diverse disciplinary methodological approaches. Students in this doctoral program use their capacity to evaluate complex systems and a depth of mathematical maturity to study problems for which complexity is impeding progress.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, and a dissertation.

Required Core (9 credit hours)

EGR 602 Principles of Independent Research (3)

EGR 608 Advanced Simulation (3)

EGR 611 Complex Engineering Systems (3)

Technical Electives (3 credit hours)

Electives and Research (60 credit hours)

Culminating Experience (12 credit hours)

EGR 799 Dissertation (12)

**Additional Curriculum Information**

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used toward this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework will be made up of electives to reach the required 84 credit hours.

Students are required to take 12 credit hours of EGR 792 as part of their research coursework.

Elective coursework should be directly in support of the student's research as advised by the supervisory committee.

Students with a BS degree coming into the doctoral program in systems engineering must complete at least nine credit hours of approved mathematics courses after the completion of their bachelor's degree. Students select appropriate elective courses in consultation with the academic

unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in engineering, or a closely related field, from a regionally accredited institution.

Applicants without a master's degree in engineering or a closely related field must have a minimum of a 3.75 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program coupled with a record of research or leadership accomplishments (or both). Applicants with a master's degree in engineering or a closely related field must have a minimum of 3.25 cumulative GPA (scale is 4.00 = "A") in the applicable master's degree program. Exceptional undergraduates are encouraged to apply after completion of a BS degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- GRE scores
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Engineering Programs

<https://poly.engineering.asu.edu/engineering/ph-d-in-systems-engineering/>

WANER 101

[polygrad@asu.edu](mailto:polygrad@asu.edu)

480-727-4723

## Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)

**Online Degree Search Title:** Technology (Aviation Management and Human Factors), MSTech

**Campus:** Polytechnic

**Program Description:**

The MSTech degree program offers a concentration in aviation management and human factors. The program's focus is on preparing graduates for a career in the aviation industry, and it can serve as the foundation for further advanced study. Courses are offered at the Polytechnic campus, with some courses offered as iCourses. Graduates of this program are provided with technical and professional skills for use in leadership positions in the aviation industry.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aeronautical Management Technology (Air Traffic Management), BS
- Aeronautical Management Technology (Air Transportation Management), BS
- Aeronautical Management Technology (Professional Flight), BS
- Aeronautical Management Technology (Unmanned Aerial Systems), BS
- Air Traffic Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a thesis, or 33 credit hours including the required applied project course (AMT 593).

Required Core (12 credit hours)

Restricted Electives (3-21 credit hours)

Human Factors Track Option (12 or 15 credit hours)

Aviation Management Track Option (12 or 15 credit hours)

Culminating Experience (0-6 credit hours)

AMT 593 Applied Project (3) or

AMT 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

The detailed design of the graduate student's program requirements (33 credit hours) with the selection of the required courses is the responsibility of the student along with the supervisory committee chair and committee members.

Students in this graduate program also have the opportunity to enroll in human systems engineering (prefix HSE) and technological entrepreneurship and management (prefix TEM) graduate courses. Students may focus their study on courses that will best prepare them for their career or for the next step in their educational process.

Applied project students complete 15 credit hours (five track courses) and thesis students complete 12 credit hours (four track courses) selected in consultation with an advisor. In addition, three credit hours of AMT elective coursework are chosen in conjunction with the student's advisor or committee. Students who do not select a track complete 15 or 18 credit hours from the restricted electives list or other courses approved by the student's supervisory committee. All students in the aviation management and human factors concentration must take at least five AMT graduate courses.

The portfolio option demonstrates a high level of mastery of the principals and practice of aviation management and human factors through a compilation of work that the student completes through the course of their graduate study. While the specific details will depend on the student's specialization, all portfolios must describe three notable projects or academic accomplishments that the student has completed through the course of graduate study that illustrate the evolution and advancement of the student's technical expertise and mastery of the field of aviation management and human factors. Submission will include a written document that includes an overview of graduate experience and descriptions of projects presented in the portfolio.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered.

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- statement of purpose
- current resume
- three letters of recommendation
- proof of English proficiency

Additional Application Requirements

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Aviation Programs

<https://poly.engineering.asu.edu/aviation/aviation-management-and-human-factors/>

WANER 101

[polygrad@asu.edu](mailto:polygrad@asu.edu)

480-727-4723

**Online Degree Search Title:** Technology (Environmental Technology Management), MSTech

**Campus:** Polytechnic

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The MSTech degree program with a concentration in environmental technology management provides students with a background in the sciences, engineering, environmental science, natural resource management, industrial hygiene or other affiliated areas with the regulatory and technical background to manage complex environmental problems.

Graduate courses are available in a traditional face-to-face format as well as Web-based distance learning. While the faculty and program are based at the Polytechnic campus, the entire program can be completed online. It is possible to complete the program within two years, including summers. Most students are working professionals and are able to finish the degree while working full time. The curriculum includes courses on topics such as:

- air pollution
  - chemistry of hazardous materials
  - environmental health
  - environmental law
  - hazardous waste management
  - industrial hygiene
  - international environmental law and policy
  - soil and groundwater contamination
  - solid waste management
  - sustainable development
- 
- toxicology
  - tribal environmental and resource management

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a thesis, or 33 credit hours and a written exam, or 33 credit hours including the required applied project course (ETM 593 or ERM 593), or 33 credit hours including the required written comprehensive exam.

Required Core (12 credit hours)

Approved Electives (15-21 credit hours)

Research (0-3 credit hours)

ETM 592 Research

Culminating Experience (0-6 credit hours)

ETM 593 Applied Project (3) or

ETM 599 Thesis (6) or

written comprehensive exam (0)

Additional Curriculum Information

Concentration area coursework includes 12 credit hours of core classes and 15 credit hours of approved electives in addition to six credit hours of ETM 599 Thesis or ETM 593 Applied Project and ETM 592 Research. The research requirement is for students completing an applied project. The written comprehensive exam option requires 12 credit hours of core classes and 21 credit hours of approved electives to reach the 33 credit hours

required for the program.

Supporting coursework includes the following areas of study:

- air pollution
- environmental chemistry
- environmental health
- environmental management leadership
- hazardous waste management
- homeland security
- international environmental law and policy
- international environmental management
- soils and groundwater contamination
- sustainability and sustainable development
- sustainable solid waste systems
- tribal environmental resource management
- water and wastewater treatment technologies
- water resource management

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- statement of purpose (maximum of 600 words)
- current resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may opt to submit up to three letters of recommendation.

Students should see the program website for application deadlines. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration.

Undergraduate coursework of applicants admitted to this program generally includes chemistry, calculus and statistics. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Technology (Graphic Information Technology), MSTech (TSGIMSTECH)

**Online Degree Search Title:** Technology (Graphic Information Technology), MSTech

**Campus:** Polytechnic, Online

**Program Description:**

The MSTech program with a concentration in graphic information technology provides students the opportunity to study within the various areas of graphics and cross media.

Graduates are prepared for management positions in diverse graphic technology industries, such as:

- commercial and technical photography and video
- digital asset management
- digital media production
- front-end web design and development
- motion graphics
- planning and evaluation of cross media content creation and output
- pre-media, digital printing and publishing
- quality assurance
- social media
- usability and user experience

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Science (Graphic Information Technology), BAS
- Applied Science (Internet and Web Development), BAS
- Graphic Information Technology, BS
- Graphic Information Technology (Gaming), BS
- Graphic Information Technology (User Experience), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a portfolio, or 33 credit hours and a thesis, or 33 credit hours including the required applied project course (TMC 593 or GIT 593).

Students are required to complete a minimum of 33 credit hours of graduate coursework. Of the total 33 credit hours, a minimum of 27 credit hours must be 500-level courses and part of the approved program. Additional courses may be assigned by the faculty supervisory committee, depending on the background of the candidate. The minimum degree requirements are as follows:



Applied Project Option  
technical area of emphasis (18)  
supporting area (9)  
research methods course (3)  
applied project (3)

Portfolio Option  
technical area of emphasis (21)  
supporting area (12)  
portfolio (0)

Thesis Option  
technical area of emphasis (18)  
supporting area (9)  
thesis (6)

Most graduate degree-seeking students in this program elect to do an applied project rather than a thesis. The applied project generally allows the student to thoroughly explore a graphics-related problem and demonstrate knowledge of the problem, solutions for the problem and suggestions for further explanation of the problem. Another culminating experience option is the portfolio which allows a student to compile work from the graduate coursework and summarize their experience. Students in the ASU Online program must select the applied project or portfolio option.

Courses within the various graphics areas are taught on a rotating basis.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following items. Incomplete files will not be reviewed or considered until complete.

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- statement of purpose (letter of application)
- current resume
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must meet English proficiency requirements as defined by Graduate Admission Services. Students should be sure to review the TOEFL, IELTS, or PTE score requirements as their application will not be processed without valid proof of English proficiency. <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)

The GRE can be waived in some situations. Students should refer to the GRE waiver request (<https://poly.engineering.asu.edu/advising/graduate-students/> (<https://poly.engineering.asu.edu/advising/graduate-students/>)) for more information, and they should note that submitting the GRE waiver request is not a guarantee of approval.

Optionally, applicants may submit two letters of recommendation.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration.

Undergraduate coursework of admitted applicants to this program generally include precalculus and statistics but are not required. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission and must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-technology->  
Academic Catalog Archive 2019-2020

graphic-information-technology/)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Graphic Information Technology  
<https://poly.engineering.asu.edu/git/mstech-graphic-information-technology/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Technology (Management of Technology), MSTech (TSMRMSTECH)

**Online Degree Search Title:** Technology (Management of Technology), MSTech

**Campus:** Polytechnic

**Program Description:**

The MSTech program with a concentration in management of technology prepares students for leadership roles as technically proficient professionals in technology-driven organizations, whether private or public. Students are prepared to successfully transition into leadership positions in their fields of expertise after graduation and to move into a general leadership role outside their areas of technical expertise as their careers grow.

This degree program is open to individuals with a technical undergraduate degree who wish to develop their leadership and management skills to complement their technical expertise. The curriculum is tailored to the needs of the student, ensuring each student obtains basic leadership and management skills.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE
- Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a portfolio, or 33 credit hours including the required applied project course (TMC 593).

It is expected that graduates of the program possess skills in research and the ability to apply these research skills in practice. To achieve this goal, each student is required to complete OMT 549 Research Techniques and Applications and either TMC 593 Applied Project or Portfolio (0).

Additionally, each student is required to select four courses from the following list: (12 credit hours)

- OMT 503 Marketing Management (3)
- OMT 504 Ethical Issues in Technology (3)
- OMT 540 International Management (3)
- OMT 548 Statistical Methods for Research (3)
- OMT 592 Research (1-3)
- OMT 598 Special Topics (1-4)
- TMC 584 Internship (1-3)

Graduate courses from other majors may be selected with approval from the student's graduate advisory committee; these additional courses are selected to support the student's individual career goals and perceived needs. With the thesis option, courses are chosen to support the student's research topic and research methods. To ensure that all courses taken fit into the plan of study, all students are expected to discuss their tentative plan with their program advisors prior to registering for their first class and they must have an approved plan of study on file by the completion of nine credit hours toward the degree.

Students without a statistics course at the undergraduate level are required to complete an appropriate course during the first semester in the program. This course is in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Students should contact the department for more information.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE general exam scores
- statement of purpose
- current resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

Incomplete files will not be reviewed or considered.

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Admission Services website: <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration. Industrial experience beyond completion of a bachelor's degree is strongly recommended.

Undergraduate coursework of admitted applicants to this program generally include calculus, technical writing and statistics. Students without a statistics course at the undergraduate level are assigned a statistics deficiency course. This course is in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Tech Entrepreneurship & Mgmt  
<https://poly.engineering.asu.edu/tem/management-of-technology/>  
WANER 101  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## User Experience, MS (ESUSEXMS)

**Online Degree Search Title:** User Experience, MS

**Campus:** Polytechnic

**Program Description:**

The MS program in user experience combines topics in web, human factors, visual displays and technical communication to make products, systems and services useful, usable and desirable. Students learn how to research user needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered methods. User experience skills are increasingly valued by industry, yet are not typically covered in-depth in traditional engineering or technical communication programs. Students with a master's degree in user experience will enhance their employment potential.

**Degree Requirements:**

30 credit hours including capstone course GIT 560 or HSE 560 or TWC 560.

Required Core (21 credit hours)

GIT 540 Cross-Media Design Solutions (3)

GIT 542 Usability and User Experience (3)

HSE 521 Methods and Tools in Human Systems Engineering (3)

HSE 542 Foundations of Human Systems Engineering (3)

TWC 501 Fundamentals of Technical Communication (3)

TWC 514 Visualizing Data and Information (3)

TWC 544 User Experience (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

GIT 560 Capstone in User Experience (3), or

HSE 560 Capstone in User Experience (3), or

TWC 560 Capstone in User Experience (3)

Additional Curriculum Information

Students should see the academic units for a complete list of approved electives and research courses. Other courses may be used with approval of the academic units.

Students choose one capstone course as the culminating experience for the program.

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College, the Ira A. Fulton Schools of Engineering and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in related fields such as psychology, graphic information technology, graphic design, cognitive science, design or technical communication, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- writing sample
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Because this degree requires strong communication skills, the program expects applicants whose native language is not English to have the following TOEFL scores: traditional paper-based score of 600 and internet-based score of 100.

**Contact Information:**

Integrative Sciences and Arts, College of  
Human Systems Engineering  
<https://poly.engineering.asu.edu/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

**Future of Innovation in Society, School for the**

## Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)

**Online Degree Search Title:** Applied Ethics (Biomedical and Health Ethics), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### **Program Description:**

Medicine is infused with moral values and is deeply embedded in a variety of social and cultural contexts which significantly determine the effectiveness of medical care in achieving healthy outcomes for patients and populations. The objective of the biomedical and health ethics concentration in the MA program in applied ethics is to integrate academic and clinical dimensions of moral issues with medical practice and biomedical research. Students from a broad range of backgrounds are exposed to the internal and external logics of medicine, health care and biotechnology, and they will gain substantive understanding of ethical, cultural and societal issues in a variety of domains through coursework and other experiences. Students deliberate individually and collectively about a wide range of issues and problems in contemporary medicine and the history of medicine; develop advanced critical normative reasoning and judgment capacities; and cultivate effective communication skills for academic, clinical and policy contexts.

### **Degree Requirements:**

30 credit hours including the required applied project course (AEP 593).

Required Core (3 credit hours)

AEP 501 Practical and Professional Ethics (3)

Concentration (3 credit hours)

BIO 516 Foundations of Bioethics (3)

Concentration Electives (18 credit hours)

Culminating Experience (6 credit hours)

AEP 593 Applied Project (6)

Additional Curriculum Information

Electives are related to the concentration study. Students must request approval from the chairperson of the degree program prior to selecting elective coursework.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement of interest and qualification
- resume
- two letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required.

#### Contact Information:

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/AEP-BHE-welcome>  
INTDSB 256  
sfisgrad@asu.edu  
480-727-9498

## Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)

**Online Degree Search Title:** Applied Ethics (Science, Tech and Ethics), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The science, technology and ethics concentration of the MA degree program in applied ethics and the professions focuses on the ethical issues that arise from the multiple challenges involved in balancing economic, technological, environmental, social and cultural development in a world increasingly affected by science and technology. It provides the student with a general background in ethics and ethical systems with an emphasis on ethical issues in science and technology. The program also exposes students to new challenges posed by rapidly evolving sociotechnical systems in such areas as:

- energy, environment and development
- genetic engineering and biotechnology
- information and communication technology
- nanotechnology
- risk assessment
- technology and security

#### Degree Requirements:

30 credit hours including the required applied project course (AEP 593).

Required Core (3 credit hours)

AEP 501 Practical and Professional Ethics (3)

Concentration (3 credit hours)

HSD 598 Topic: Science, Technology and Ethics (3)

Concentration Electives (18 credit hours)

Culminating Experience (6 credit hours)

AEP 593 Applied Project (6)

Additional Curriculum Information

Electives are related to the concentration study. Students must request approval from the chairperson of the degree program prior to selecting elective coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 or higher cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- personal statement of interest and qualification
- two letters of recommendation
- proof of English language proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

No GRE is required.

**Contact Information:**

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/AEP-STE-welcome>  
INTDSB 256  
sfisgrad@asu.edu  
480-727-9498

## Global Development and Innovation (Certificate), Certificate (FIGDIGRCT)

**Online Degree Search Title:** Global Development and Innovation (Graduate Certificate)

**Campus:** Tempe, Online

**Program Description:**

The graduate certificate in global development and innovation responds to the knowledge and skills gap with which development practitioners often struggle, connecting with innovations that policymakers seek for more sustainable and resilient futures. It provides current and critical perspectives on innovation and development for overseeing and managing complex global challenges while fostering cultural sensitivities and dispositions.

Program graduates contribute to improving development policy and practices through analysis, integration and incorporation of emerging insights and best practices, making them available to policymakers, practitioners and tech-innovators.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

GTD 501 Global Technology and Development (3)

GTD 511 Development Policy and Practices (3)

Electives (9 credit hours)

#### Additional Curriculum Information

Students select nine credit hours from a restricted elective list. This list can change and increase over time as needed with unit director approval. Students may select a maximum of three one-credit courses toward fulfillment of the total of nine credit hours. Students should see the academic unit for a complete list of approved electives.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution or the equivalent from an international institution that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- personal statement
- resume
- official transcripts
- two letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Acceptable proof consists of a TOEFL score of at least 550 (PBT) or 80 (iBT), an IELTS overall band score of at least 6.5 with no band below 6.0, or a Pearson Test of English score of at least 60. The most current requirements are available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

International students who need an F1 or J1 visa will first need to apply to and be accepted into a master's degree or doctoral degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/global-development-and-innovation-graduate-certificate/>)

#### Contact Information:

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu>  
INTDSB 256  
[sfisgrad@asu.edu](mailto:sfisgrad@asu.edu)  
480-965-6584

## Global Technology and Development, MS (LSGTDMS)

**Online Degree Search Title:** Global Technology and Development, MS

**Campus:** Tempe, Online

#### Program Description:

The MS in global technology and development is a program covering international social, economic and political development. It highlights the variables of technology and innovation in these development processes and analyzes change within the context of the current era of globalization. One of the central concerns addressed in the program is the global disparity in wealth and access to resources and basic needs, both between and within countries.



Students are encouraged to pursue unique research questions, in the developed or the developing worlds, which engage them in social science research on issues related to technology and human socioeconomic and political development. Students take theoretical, research, policy and regional studies courses to prepare for the master's degree culminating experience.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Innovation in Society, BS

Innovation in Society, BA

Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (GTD 593).

Required Core (3 credit hours)

GTD 511 Development Policies and Practices (3)

Other Requirement (12 credit hours)

GTD 501 Global Technology and Development (3)

GTD 503 Technology and the International Political System (3)

GTD 505 Research Design in Technology and Development (3)

GTD 506 Quantitative Analysis in Technology and Development (3)

Restricted Electives (12 credit hours)

Culminating Experience (3 credit hours)

GTD 593 Applied Project (3)

Additional Curriculum Information

For the approved electives course list, students should contact the academic unit. Other requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited college or university recognized by ASU in a related field such as political science, international relations, sociology, anthropology, economics, business, education, technology, engineering, life sciences, foreign languages or literature (i.e., topics related to global development, culture or socioeconomic institutions).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- proof of English language proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score is required. Applicants should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-global-technology-development/>)

### Contact Information:

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/GTD-welcome>  
INTDSB 256  
sfisgrad@asu.edu  
480-965-6584

## Global Technology and Development (Applied International Development), MS (FIGTDAIDMS)

**Online Degree Search Title:** Global Technology and Development (Applied International Development), MS

**Campus:** Online

### Program Description:

The concentration in applied international development under the MS in global technology and development provides a curriculum focused on applied skills and practices in international development and includes specializations contributed by other units; this differs from the current theory and research-driven degree.

The program allows professionals, whether early in their careers or experienced, to develop and enhance skills in planning, management, analysis and evaluation in development practice. Students in the program select an area to specialize in, such as education, health, business, management and community development, which allows them to directly apply this knowledge to a relevant sector. Learning outcomes emphasize enhanced skills in analysis, critical thinking and the ability to apply knowledge to development-related challenges.

### Degree Requirements:

30 credit hours including an applied project (GTD 593).

Required Core (3 credit hours)

GTD 511 Development Policy and Practices (3)

Concentration (9 credit hours)

GTD 501 Global Technology and Development (3) or

GTD 506 Quantitative Analysis in Technology and Development (3) or

NLM 520 Financial and Resource Management (3) or

NLM 530 Program Evaluation and Information Management (3)

Specialization Electives (15 credit hours)

Culminating Experience (3 credit hours)

GTD 593 Applied Project (3)

### Additional Curriculum Information

Students select three courses from the concentration list for a total of nine credit hours.

Students may take elective courses in an area of interest from a variety of ASU Online academic programs such as business, management, education, community development and health. Students should see the academic unit for available specializations and approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in global development, education, business, health, management, community development or a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- two letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A personal statement of purpose of one to two pages is required for admission as well as two letters of recommendation, either academic or professional. While the GRE is not required, the statement of purpose is a significant factor in the application process, and it should address the background and capabilities of the applicant as well as the applicant's interest in the program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/global-technology-development-applied-international-development-ms/>)

**Contact Information:**

Future of Innovation in Society, School for the

School for the Future of Innovation in Society

<https://sfis.asu.edu/degree-programs/graduate-programs/masters-programs/global-technology-development-applied>

INTDSB 256

[sfisgrad@asu.edu](mailto:sfisgrad@asu.edu)

480-965-6584

## Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)

**Online Degree Search Title:** Human and Social Dimensions of Science and Technology, PhD

**Campus:** Tempe

**Program Description:**

This program prepares students to teach and conduct research, using humanistic and social science methods, on the social, historical, philosophical and policy foundations of science and technology as well as their interactions with society.

The PhD program in human and social dimensions of science and technology responds to growing demand for transdisciplinary research in the humanities and social sciences that can provide insights into the dynamic relationship between science, technology and society. Solutions to the problems of applying science and technology to human well-being can be found only by fully integrating research from across multiple social science and humanities disciplines.

The program is flexible, combining a strong, integrated, first-year experience with substantial freedom for students who, in conjunction with their advisors, design carefully crafted plans of study relevant to their own areas of specialization and expertise. Unique among programs of this kind nationally, students will also learn to communicate and work with scientists, engineers, policymakers, business and community officials, or the

public in conducting and applying research.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (8 credit hours)

HSD 601 HSD I: Human Dimensions of Science and Technology (4)

HSD 602 HSD II: Science, Power and Politics (4)

Culminating Experience (12 credit hours)

HSD 799 Dissertation (12)

Additional Curriculum Information

This is a research degree, culminating in a dissertation, which must draw on multiple disciplinary perspectives.

Students may apply up to 30 credit hours from a prior master's degree toward the total hour requirement, upon approval of the steering committee. Each student, with his or her supervisory committee, develops a unique plan of study, which the student's supervisory committee approves.

Each student completes a yearlong core seminar, a second-year research project, two major fields, one minor field, methods training, electives and research. Students also regularly attend the program colloquia. There are no foreign language or statistics requirements, except as needed for a particular student's selected dissertation project.

Comprehensive Examination

The written dissertation prospectus and its oral defense constitute the written and oral comprehensive examinations required by the Graduate College for advancement to candidacy. Each student develops a written dissertation prospectus, including a bibliography and discussion of relevant research skills. The student makes an oral defense of the dissertation prospectus to his or her supervisory committee, which must approve the prospectus. Students normally complete the dissertation prospectus and its defense in the fifth semester.

Dissertation

The dissertation represents an original body of research that contributes to existing knowledge in a significant way.

Final Examination

Upon completing the dissertation, the student makes an oral defense of the dissertation to the supervisory committee, which must approve the dissertation. The doctorate is granted upon successful completion of the oral defense and any revisions to the dissertation required by committee members.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- HSD academic record form
- a curriculum vitae or resume
- a personal statement

- a writing sample
- general GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. In order to meet English proficiency students must have an IELTS overall band score of at least 6.5 with no band below 6.0, or Pearson Test of English score of at least 60, or a TOEFL score of at least 600 (PBT) or 100 (iBT). ASU's institutional code is 4007. ASU only accepts electronic copies of the TOEFL score report.

Preference is given to students with demonstrated interest and competence in relevant areas of intellectual work.

The personal statement should be one to two single-spaced pages. It must be a statement of proposed research that clearly explains why the student feels ASU is the appropriate place to pursue their doctorate, identifies one or more faculty members whose interests or work are relevant to the student's proposed research, and describes the goals for pursuing the degree.

The writing sample should be a 10- to 25-page sample of academic writing, such as a course paper, an undergraduate thesis, or an excerpt from a master's thesis.

Students should see the program website for application deadlines.

#### Contact Information:

Future of Innovation in Society, School for the  
 School for the Future of Innovation in Society  
<https://sfis.asu.edu/hsd-welcome>  
 INTDSB 256  
 sfisgrad@asu.edu  
 480-727-9498

## Innovation in Global Development, PHD (FIIGDPHD)

**Online Degree Search Title:** Innovation in Global Development, PhD

**Campus:** Tempe

#### Program Description:

The PhD program in innovation in global development emphasizes critical and diverse perspectives on global development and innovative policies and practices that challenge the status quo. The program is both rigorous and flexible, designed to meet the needs of a diverse set of students committed to a vision of development that values context, inclusivity and equity, and is socially, culturally and ecologically sensitive.

Students emerge from this program equipped with the leadership skills, critical-thinking skills, knowledge and global perspective required to navigate complex development challenges in a way that reduces inequalities and builds a more sustainable and inclusive future.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (17 credit hours)

- GTD 505 Research Design in Technology and Development (3)
- IGD 601 Re-Thinking Global Development (4)
- IGD 602 Innovation for Inclusive Development (4)
- IGD 603 Methods for Research in Global Development (4)
- IGD 604 Colloquium in Innovation in Global Development (2)

Electives or Research (55 credit hours)

Culminating Experience (12 credit hours)

- IGD 799 Dissertation (12)

#### Additional Curriculum Information

Students are required to take IGD 604 once for two credits as a core course requirement. They may take it one additional time for two more credits that can be used towards electives.

Elective courses are chosen based on the students' area of interest and approval from their committee. Other electives may be used with approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework will be made up of electives and research.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in anthropology, natural resource management, agriculture development, political science, development studies, economics, development management, rural development, technology and development, sociology, science and technology or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Future of Innovation in Society, School for the

School for the Future of Innovation in Society

<https://sfis.asu.edu/degree-programs/graduate-programs/phd/innovation-global-development-igd/welcome>

INTDSB 256

[sfisgrad@asu.edu](mailto:sfisgrad@asu.edu)

480-965-6584

## Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)

**Online Degree Search Title:** Nonfiction Writing and Publishing (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

#### Program Description:

The graduate certificate program in nonfiction writing and publishing encourages students, whether from the humanities, biomedicine or techno-sciences, to emulate the masters of literary nonfiction as a means to achieve success in commercial and public-interest publishing, both in print and online, especially in the subject areas of technology, science, engineering, the environment and biomedicine. Such literary role models include Murkajee, on cancer research; Carson, on marine biology; Skloot, on biomedical materials; Pollan, on food, nutrition and agribusiness; Biss, on vaccine science; Zimmer, on evolutionary biology; Gould, on paleontology; Haley, on race and society; Ida Wells, on racial violence; Ehrenreich, on the working poor; McKibben, on global warming; and Kidder, on computer science.

By uniting reading and writing about complexity, the program aims to help subject-area masters achieve a more positive impact on society through their scholarly work as well as through literary publishing. The intended outcome of the program is to endow master learners and subject-area experts with the confidence and capability to reach wide audiences of nonspecialists, including leaders in business, politics, culture and society.

The certificate is open to all graduate students, including those from the humanities. Those students who desire to write eloquently, persuasively and memorably about techno-science and complex socio-technical systems are ideal for this program. Students will be encouraged to draw on their own deep subject-matter of technology, science, biomedicine and environmental issues to provide the raw material for their literary narrative and nonnarrative writing. While inevitably writers with subject-area mastery engage in some crude forms of translation to achieve their literary ends, they also create new forms of language and modes of knowing that suit the interdisciplinary, multidimensional aspect of their complex topics.

On enrollment, students first must take the required core course, Masters of Nonfiction, which combines reading great masters of nonfiction with writing in forms viewed as classic by literary scholars and practitioners. By drawing on their own techno-scientific knowledge, they focus on various forms of popular writing: participant-observer, omniscient narration, advocacy, explanatory, bearing witness, biography and first-person story (or memoir). Additional classes, offered by various departments, teach writing about food, travel, history, explanatory journalism, science communication, technology and creative nonfiction. The specific sequence of courses can be tailored to each student's specific trajectory and classes can be taken at the student's own pace.

The core course, Masters of Nonfiction, also is open to students who will not pursue the certificate but wish to deepen their command of writing about complexity for general readers.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

HSD/HPS/HST 520 Masters of Nonfiction (3)

Electives (12 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants who attended school outside of the U.S. must hold a bachelor's degree, graduate degree or equivalent from an institution that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants are encouraged to enroll in a graduate degree program in conjunction with this certificate but are not required to do so.

International students who need an F1 or J1 visa will first need to apply to and be accepted into a master's or doctoral degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program. Applicants should see the program website for application deadlines.

**Contact Information:**

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu>  
INTDSB 256  
[sfisgrad@asu.edu](mailto:sfisgrad@asu.edu)  
480-727-9498

## (GCRSESGRCT)

**Online Degree Search Title:** Responsible Innovation in Science, Engineering and Society (Graduate Certificate)

**Campus:** Tempe

### **Program Description:**

The certificate program in responsible innovation in science, engineering and society is designed for scientists, engineers, research managers, technology officers, public administrators and policy officials who seek to advance science and technology to improve societal outcomes and to develop creative solutions to the fundamental global challenges of the 21st century.

The program provides knowledge, skills and methods for analyzing innovation and technological systems; knowledge and uncertainty in decision-making; the regulation and governance of science and technology; the uptake of science and technology in complex societal settings; and interactions between science, technology and the public.

The certificate may be pursued by professionals in industry or government or by graduate students pursuing their Arizona State University degree program.

### **Degree Requirements:**

15 credit hours including the required capstone course HSD 580.

Required Core (3 credit hours)

HSD 540 Responsible Innovation and Research (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)

HSD 580 Practicum (3)

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- resume
- personal statement
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Acceptable proof of English proficiency is an IELTS overall band score of at least 6.5 with no band below 6.0 (no institutional code needed); or a Pearson Test of English score of at least 60; or a TOEFL score of at least 550 (PBT) or 80 (iBT). Students should note that the ASU institutional code for the TOEFL is 4007. Also, students should note that ASU only accepts electronic copies of the TOEFL score report.



International students who need an F1 or J1 visa will first need to apply to and be accepted into a master's or doctoral program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants should see the program website for application deadlines.

**Contact Information:**

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/RISES-welcome>  
INTDSB 256  
sfisgrad@asu.edu  
480-965-9432

## Science and Technology Policy, MSTP (LAHSDPSM)

**Online Degree Search Title:** Science and Technology Policy, MSTP

**Campus:** Tempe

**Program Description:**

The MSTP program uniquely prepares its graduates to have an impact in today's technologically complex world. Drawing on some of the world's leading experts and innovative thinkers, it is designed to train future leaders, policymakers and analysts in tackling many complex issues such as climate change, energy security and responsible innovation to public health, global development and social justice.

The Master of Science and Technology Policy program is a one-year, cohort-based program designed to attract students of the highest caliber. The program may also be completed over an extended period or on a part-time basis. It is suited to anyone interested in a career in which they work to ensure science and technology serve society through responsive and effective policy development and implementation. Students come from a wide range of backgrounds and go on to develop successful careers in government, business, academic institutions and nongovernmental organizations.

On completion of the program, graduates are able to apply critical skills and methods to science and technology policy analysis, apply cutting-edge approaches to ensuring socially responsive and responsible technology innovation, and contribute to developing and implementing creative solutions to many of today's most complex challenges, including responsible innovation, technological convergence, social and environmental sustainability, health and well-being, energy, equity, development, security, information collection and use, infrastructure, democracy, STEM education, the role of science, and space. They are able to describe the historical, social and institutional foundations of science and technology policy, discuss the complexities of science and technology policy decisions, decision-making under uncertainty, and the role of experts, employ effective policy communications skills and techniques, and work collaboratively and effectively with experts from different backgrounds, including scientists, engineers and elected officials.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- African and African American Studies, BA
- Innovation in Society, BS
- Innovation in Society, BA
- Justice Studies, BA
- Justice Studies, BS
- Women and Gender Studies, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (HSD 593).

Required Core (6 credit hours)

HSD 501 Science and Technology Policy (3)

HSD 502 Advanced Science and Technology Policy (3)

Electives (9 credit hours)

Restricted Electives (6 credit hours)

Other Requirements (6 credit hours)

HSD 505 Science and Technology Policy Workshop (3)

HSD 584 Internship (3)

Culminating Experience (3 credit hours)

HSD 593 Applied Project (3)

Additional Curriculum Information

Restricted electives are from a list provided by the program chair.

The science and technology policy workshop in Washington, D.C., HSD 505, is required of all students pursuing the Master of Science and Technology Policy degree.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing. Students are strongly encouraged to have prior relevant education, training or experience in science and technology policy; management of science, technology or innovation; or science, technology and society.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- resume
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

**Contact Information:**

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/mstp-welcome>  
INTDSB 256  
sfisgrad@asu.edu  
480-727-9498

## Global Management, Thunderbird School of

### Applied Leadership and Management, MALM (TBALMMALM)

**Online Degree Search Title:** Applied Leadership and Management, MALM

**Campus:** Downtown Phoenix, Online

**Program Description:**

More than ever, the world needs leaders. Thunderbird's MALM is a unique degree program taught by Thunderbird's world-class professors. The Master of Applied Leadership and Management program is designed to sharpen students' skills and to explore leadership and management from a global perspective in order to deliver the highest quality graduate education in an affordable format.

**Degree Requirements:**

30 credit hours including the required capstone course (TAM 597).

Required Core (3 credit hours)

TAM 582 Communicating and Negotiating in a Dynamic World (3)

Electives (24 credit hours)

Culminating Experience (3 credit hour)

TAM 542 Global Leadership and Personal Development (3)

**Admission Requirements:**

An applicant must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The English proficiency requirements are the same as the Graduate College requirements.

Candidates for this program will come from markets such as Nigeria, Kenya, South Africa, India, Egypt, Indonesia, Columbia, Peru and Brazil.

Two years of work experience is preferred but not required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-applied-leadership-management/>)

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu>  
602/496-7100  
admissions@thunderbird.edu

## Global Affairs (Certificate), Certificate (TBGAFGRCT)

**Online Degree Search Title:** Global Affairs (Graduate Certificate)

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

### **Program Description:**

The graduate certificate program in global affairs is designed to provide an in-depth study of the global political economy, global theory, global institutional environment, decision-making and global strategy.

### **Degree Requirements:**

15 credit hours including the required capstone course (TGM 598).

Required Core (12 credit hours)

SGS 501 Global Theory (3)

SGS 502 Global Institutions and Actors (3)

SGS 503 Methods: Global Decision Making Under Uncertainty (3)

POS 591 Seminar (3)

Culminating Experience (3 credit hours)

TGM 598 Special Topics (Capstone Course)

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

### **Contact Information:**

Global Management, Thunderbird School of

Thunderbird School of Global Management

<https://thunderbird.asu.edu>

AZCT 800

[admissions.tbird@asu.edu](mailto:admissions.tbird@asu.edu)

602-496-7100

## Global Affairs and Management, MA (TBGAMMA)

Academic Catalog Archive 2019-2020

**Online Degree Search Title:** Global Affairs and Management, MA

**Campus:** Downtown Phoenix

**Program Description:**

The MA in global affairs and management is a transdisciplinary degree program that covers all aspects of global affairs and management, including global relations, political economy and cross-cultural communications, while supplementing this valuable international affairs curriculum with core courses in accounting, finance, management and marketing. The program prepares students with the tools and insight to address complex issues in diplomacy, business and society and to bring an increased focus on social responsibility to their corporate employers.

**Degree Requirements:**

45 credit hours including the required capstone course (TGM 577).

Required Core (3 credit hours)

TGM 575 Global Affairs Theory (3)

Other Requirements (18 credit hours)

TGM 501 Global Accounting (3)

TGM 502 Financial Management for Global Value Creation (3)

TGM 503 Global Marketing (3)

TGM 504 Managing Organizations from a Global Perspective (3)

TGM 505 States and Markets in a Global Economy (3)

TGM 508 Regional Business Environment I: Emerging Markets (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

TGM 577 International Organizations (3)

Additional Curriculum Information

Other requirements courses may be substituted with approval of the academic unit.

For elective coursework, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

#### Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu>  
AZCT 800  
admissions.tbird@asu.edu  
602-496-7100

## Global Development (Certificate), Certificate (TBGDVGRCT)

**Online Degree Search Title:** Global Development (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

The graduate certificate program in global development is designed to provide an in-depth study of the global political economy, social entrepreneurship, community and social engagement, international nongovernmental organizations and global strategy in order to provide skills to make a difference in global society.

#### Degree Requirements:

15 credit hours including the required capstone course (TGM 510).

Required Core (6 credit hours)

TGM 510 Strategies in Global Development (3)

TGM 585 Corporate Social Responsibility in a Global Context (3)

Electives (9)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu>  
AZCT 800  
admissions.tbird@asu.edu  
602-496-7100

## Global Finance (Certificate), Certificate (TBGFINGRCT)

**Online Degree Search Title:** Global Finance (Graduate Certificate)

**Campus:** Downtown Phoenix

### Program Description:

The graduate certificate program in global finance provides specialized content knowledge in financial management, investments, private equity and portfolio management for business, governmental and nongovernmental entities that operate on a global scale. Knowledge of global and regional economic and political landscapes, multinational tax management and country risk analysis are key in financial decision-making.

The courses in this program position students in multinational entities where the accounting emphasis is on international financial reporting standards rather than the United States' generally accepted accounting principles, and financial value creation is contingent on efficient management of cross-border transfer pricing, tax planning, currency hedging and interest rate risks. The courses help students explore the business and management differences in countries with varying corporate governance, joint venture structures and financial measures of country business performance. Courses emphasize an experiential approach to learning, using case studies featuring companies across the globe with different cultures and complex legal environments.

The certificate program may be completed in one semester, excluding any required prerequisite courses.

### Degree Requirements:

15 credit hours.

Required Core (6 credit hours)

TGM 518 International Finance and Trade (3)

TGM 519 Global Financial Engineering (3)

Electives (9 credit hours)

Additional Curriculum Information

Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must have taken TGM 521 Managing for Global Value Creation and TGM 522 Global Financial Decisions, or TGM 502 Financial Management for Global Value Creation, or a three credit hour 500-level graduate course with a minimum grade of "B" (scale is 4.00 = "A") or its equivalent. Coursework must be from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business, European Quality Improvement System or Association of MBAs, or from other institutions with approval of the academic unit.

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu>  
AZCT 800  
admissions.tbird@asu.edu  
602-496-7100

## Global Management, MGM (TBTGMMGM)

**Online Degree Search Title:** Global Management, MGM

**Campus:** Downtown Phoenix, Online

**Program Description:**

The MGM is an in-depth, global business education professional degree that combines general management coursework, cross-cultural insight, regional studies and foreign language components to educate global business leaders. With its innovative program philosophy, the master's degree program provides a strategically choreographed progression through every facet of international management, with hands-on, experiential learning opportunities and practical, applicable nuances of global business.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, BGM

International Trade, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

40 credit hours including the required capstone course (TGM 549).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Other Requirements (21 credit hours)

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Advanced Perspectives on Global Leadership and Strategy (3)

TGM 557 Global Data and Marketing Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Electives (24 credit hours)

Culminating Experience (1 credit hours)

TGM 597 Thunderbird Integrative Experience (1)

Additional Curriculum Information

Proficiency in a second language is required for graduation from the MGM degree. Students whose native language is not English who meet the



admission requirements for this program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an Oral Proficiency Interview administered by a third party vendor or by successfully completing six credit hours of 400 level or higher foreign language coursework.

For electives coursework, students should see the academic unit for approved courses.

For other requirements coursework, other courses may be used with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The program is open to candidates from any undergraduate major.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- two letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE or GMAT scores may be required after a complete review of the student's application material, including resume, academic transcripts and two letters of recommendation.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. ([https://asuonline.asu.edu/online-degree-programs/graduate/master-global-management-global-management?utm\\_source=asu&utm\\_medium=degree-search&utm\\_campaign=asu](https://asuonline.asu.edu/online-degree-programs/graduate/master-global-management-global-management?utm_source=asu&utm_medium=degree-search&utm_campaign=asu))

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu>  
AZCT 800  
admissions.tbird@asu.edu  
602-496-7100

**Global Management, MGM (TBTGMXMGM)**

**Online Degree Search Title:** Global Management (Executive), MGM

**Campus:** Downtown Phoenix

**Program Description:**

The MGM executive program combines general management coursework, cross-cultural insight, and regional studies to educate global business leaders. With the busy schedules of working professionals in mind, the program is designed to be completed as a lock-step program in 16 months. The executive master's degree program is a unique learning experience through collaboration with executive-level classmates and experienced global faculty. With its innovative program philosophy, the executive program provides a strategically choreographed progression through every facet of international management, with hands-on, experiential learning opportunities and practical, applicable nuances of global business. Upon completing the program, students will receive the Master of Global Management degree.

**Degree Requirements:**

40 credit hours including the required capstone course (TGM 549).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Other Requirements (32 credit hours)

TGM 505 States and Markets in the Global Economy (2)

TGM 508 Regional Business Environment I: Emerging Markets (2)

TGM 509 Regional Business Environment II: Developed Economies (2)

TGM 511 Global Financial Accounting (2)

TGM 512 Managerial Accounting and Decision Making in a Global Environment (2)

TGM 521 Managing for Global Value Creation (2)

TGM 522 Global Financial Decisions (2)

TGM 530 Big Data in the Age of the Global Economy (2)

TGM 531 Multinational Value Chain (2)

TGM 532 Leading Global Projects (2)

TGM 540 Managing People from a Global Perspective (2)

TGM 541 Competitive Strategy from a Global Perspective (2)

TGM 548 Global Strategy (2)

TGM 549 Global Leadership (2)

TGM 551 Global Marketing Strategy (2)

TGM 552 Global Marketing Management (2)

Electives (4 credit hours)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Integrative Experience (1)

Additional Curriculum Information

For other requirements, the academic unit may approve other courses to be used than those listed.

For electives coursework, students should see the academic unit for the approved course list.

Students are allowed 400-level courses on the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The program is open to candidates from any undergraduate major.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- one letter of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE or GMAT scores may be required after a complete review of the student's application material, including resume, academic transcripts and letter of recommendation.

**Contact Information:**

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## Global Management (Certificate), Certificate (TBTGMGRCT)

**Online Degree Search Title:** Global Management (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

The graduate certificate program in global management is designed to provide an in-depth study of global political economy, leadership, strategy, negotiations and cross-cultural communications in order provide skills to succeed in today's increasingly global business environment.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

TGM 545 Advanced Perspectives on Global Leadership and Strategy (3)

Restricted Electives (12 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 557 Global Data and Marketing Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

Additional Curriculum Information

For restricted electives, students select four courses from the list above. Other courses may be approved by the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

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## Global Marketing (Certificate), Certificate (TBGMKTGRCT)

**Online Degree Search Title:** Global Marketing (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

For the global market, domestic marketing frameworks and tools are not sufficient. The global marketing framework expands this content to include the idiosyncrasies and complexities of political, economic, legal, societal and cultural differences that exist in foreign markets.

The courses in the global marketing certificate program position and equip students in multinational corporations or international organizations to comprehend how and why customers make decisions the way they do, leverage branding as a capability to create value and use the abundance of data available in today's market to engage in cutting edge business analytics. The courses in this program emphasize the experiential approach to learning, using case studies featuring companies across the globe with different cultures and complex legal environments. The common theme across these courses is to advance understanding of the critical, nuanced differences that managers need to recognize when conducting business across borders. Students examine how customer decision-making, branding, business analytics, negotiation, channels and distribution, sales force management, product development and strategic services marketing are played out in the international arena.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

TGM 553 Global Customer Decision Making (3)

TGM 554 Global Marketing Research (3)

Electives (9 credit hours)

## Additional Curriculum Information

Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must have taken TGM 551 Global Marketing Strategy and TGM 552 Global Marketing Management, or TGM 503 Global Marketing, or a three credit hour, 500-level graduate course with a minimum grade of "B" (scale is 4.00 = "A") or its equivalent. Coursework must be from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business, European Quality Improvement System, Association of MBAs, or other institutions with approval from the academic unit.

### **Contact Information:**

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## **Global Trade and Commerce (Certificate), Certificate (TBGTCMGRCT)**

**Online Degree Search Title:** Global Trade and Commerce (Graduate Certificate)

**Campus:** Downtown Phoenix

### **Program Description:**

The coursework for the graduate certificate in global trade and commerce is tightly integrated and offers a comprehensive coverage of core topics in cross-border business and exchange of goods. The courses provide a strong understanding of how companies leverage their global value chains to achieve competitive advantage. Students learn best practices through interaction with faculty engaged in broad-based research and consulting.

### **Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

SCM 541 Logistics in the Supply Chain (3)

TGM 537 State Power, Business Interests and Multinational Trade Agreements (3)

Electives (9 credit hours)

## Additional Curriculum Information

Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must have taken TGM 505 States and Markets in a Global Economy with a minimum grade of "B" (scale is 4.00 = "A") or its equivalent from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business, European Quality Improvement System or Association of MBAs, or other institutions with approval from the academic unit.

### **Contact Information:**

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## Health Solutions, College of

### **Audiology, AuD (LAAUDAUD)**

**Online Degree Search Title:** Audiology, AuD

**Campus:** Tempe

#### **Program Description:**

The three-year course of study for the AuD degree is comprised of basic science coursework, professional knowledge coursework, and clinical practicum experiences. The curriculum is designed such that upon completion students will have satisfied all academic and clinical requirements necessary for state licensure. Full-time commitment is critical because graduate courses are offered once per academic year. In addition, course content and the sequence of courses are closely tied to clinical practicum assignments. Moreover, full-time enrollment assures timely completion of the program.

Students in the Doctor of Audiology program have the option of graduating after completion of the three-year program of study or enrolling in a clinical externship during their fourth year for up to an additional three credit hours of clinical training. A minimum of 850 hours of clinical training is obtained during the first three years of training. Completion of 1,820 practicum hours is required for the Certificate of Clinical Competence in Audiology, also known as CCC-A, by the American Speech-Language-Hearing Association and can be met by completion of the 4th-year externship under the supervision of an ASHA-certified audiologist.

Students who complete the Doctor of Audiology degree find rewarding careers in hospitals, physician's offices, audiology clinics, school districts and industry.

**Degree Requirements:**

86 credit hours and a written comprehensive exam.

Required Core (57 credit hours)

SHS 502 Basic Audiometry (4)

SHS 504 Amplification I (4)

SHS 505 Sign Language for Audiologists and Speech Pathologists (2)

SHS 508 Pediatric Audiology (3)

SHS 510 Amplification II (3)

SHS 511 Auditory Perception by the Hearing Impaired (3)

SHS 513 Neurophysiology of the Auditory System (3)

SHS 516 Auditory Evoked Potentials (4)

SHS 517 Balance Assessment (4)

SHS 518 Auditory Rehabilitation (3)

SHS 520 Auditory Pathologies/Disorders and Otoneurologic Applications (4)

SHS 522 Hearing Conservation/Instrumentation (3)

SHS 523 Advanced Audiometry (3)

SHS 524 Counseling in Communication Disorders (2)

SHS 525 Audiology Practice Management (3)

SHS 526 Launch to Clinical Methods in Audiology (1)

SHS 552 Physiological Measures of Auditory Function (4)

SHS 555 Cochlear Implants (4)

Other Requirements (25-28 credit hours)

SHS 500 Research Methods (3)

SHS 580 Clinical Practicum (8)

SHS 584 Clinical Internship (12)

SHS 589 Audiology Grand Rounds (2)

SHS 590 Reading and Conference (Audiology Clerkship) (0-3)

American Speech-Language-Hearing Association Praxis national certification examination in audiology (0)

Electives and Research (4 credit hours)

Culminating Experience

written and oral comprehensive exam

#### Additional Curriculum Information

Students will have the option to continue enrollment in SHS 590 at one credit per semester for up to three semesters to complete the externship requirements of the ASHA certification. These extra hours of clinical experience will allow students to apply for ASHA certification upon graduation. Students should maintain continuous enrollment and not apply for graduation until they have completed the additional clinical hours for the certification.

In addition to the Graduate College requirements, eligibility for graduation is based upon the following:

#### Formative Exam (Year 1)

Students must pass a formative exam given at the end of the first academic year of the program. This is a 100-question, multiple-choice test covering the content of the courses taken during the fall and spring semesters. Students receiving scores of less than 80 percent will be given one opportunity to retake the exam.

#### Summative Exam (Year 2)

Students must pass a summative exam given at the end of the second academic year of the program. This is a comprehensive written and oral exam pertaining to clinical.

#### National Certification Exam (Praxis)

All students pursuing the Doctor of Audiology degree must pass the Praxis examination in audiology as a graduation requirement. There are no credit hours tied to it. The Praxis exam result must be sent directly from the Education Testing Service to the audiology program office in order to process the graduation approval.

#### Clinical Clock Hours

Students must successfully complete 850 hours of supervised clinical clock hours at both on-campus and off-campus internship sites.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in speech and hearing science or another related discipline from a regionally accredited institution. Applicants with degrees in related fields (such as nursing, education and any of the biological sciences) may apply, although they may be admitted as leveling students and must complete at least one year of prerequisite courses in speech and hearing science at the undergraduate level.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Admission is a two-stage process involving a review of the application materials and a required online video submission. Applicants meeting the first-stage admission criteria are notified and invited to provide additional information to complete the second stage of the admissions process. All other applicants are denied admission. In lieu of an on-campus interview, invited applicants who wish to continue the application process must provide a 15-minute video introducing themselves and answering several questions from the admission committee. The same questions are given



to all applicants along with instructions about format and submission. Applicants who do not submit a video are denied admission. The committee makes final decisions regarding admission from the videos received. Space is available in the program for 15 students. Invitations are sent by the end of February with a deadline of mid-March for video submission.

The personal statement should not exceed 200 words and should describe the reasons for pursuing graduate study in audiology; successful applicants submit statements that are free of grammatical errors and demonstrate proficiency in written communication.

Letters of recommendation should outline the applicant's potential success for graduate-level coursework. Letters from faculty members are most useful. A standard form is not used; letters should be submitted on letterhead from the recommender's institution.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/>  
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602-496-3300

## Auditory and Language Neuroscience, MS (NHALNEUMS)

**Online Degree Search Title:** Auditory and Language Neuroscience, MS

**Campus:** Tempe

**Program Description:**

The MS degree program in auditory and language neuroscience trains scholars in basic and applied research in the fields of auditory and language neuroscience to prepare them for doctoral-level graduate studies as well as for positions in science, health care and industry. In addition to cutting-edge coursework in neuroscience, this program also includes hands-on training in instrumentation such as neuroimaging, neurophysiology and clinical research applications. Students develop a strong foundation to conduct impactful neuroscience research related to auditory and language processing and human communication.

**Degree Requirements:**

31 credit hours including an thesis.

Required Core (6 credit hours)

SHS 541 Data Analysis in Auditory and Language Neuroscience (3)

SHS 542 Applied Research Methods in Auditory and Language Neuroscience (3)

Restricted Electives (12 credit hours)

Research (6 credit hours)

SHS 592 Research (6)

Other Requirement (1 credit hours)

SHS 590 Reading and Conference (1)

Culminating Experience (6 credit hours)

SHS 593 Applied Project (6) or

SHS 599 Thesis (6)

Additional Curriculum Information

For restricted electives, students should see the academic unit for an approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited college or university.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

In the letter of intent or written statement, applicants should indicate potential research mentors with whom they are interested in working. Letters of recommendation preferably are written by instructors, research mentors or clinical supervisors who can speak to the applicant's aptitude for research and master's-level coursework.

#### Contact Information:

Health Solutions, College of  
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<https://chs.asu.edu/>  
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## Behavioral Health, DBH (LSBEVHEDBH)

**Online Degree Search Title:** Behavioral Health, DBH

**Campus:** Online

ASU is not currently accepting applications for this program. Applicants interested in the Doctor of Behavioral Health program should apply directly to the clinical or management concentrations.

#### Program Description:

The DBH is an innovative and interdisciplinary applied program designed to upgrade master's degree-level professionals to become experts in the emerging field of integrated behavioral care. Integrated care is the holistic treatment of both medical and behavioral conditions that are so common in primary care and other medical settings but often undetected and untreated. The results are poor clinical outcomes and increased medical costs related to overuse of medical services.

A key recommendation in health care reform is improved integration of medical and behavioral care in order to both improve health outcomes and decrease health care costs. The doctoral curriculum is explicitly focused on graduating experts who can both speak the language of evidence-based clinical interventions and the perform cost savings and return on investment analyses that will be in high demand in new models of accountable care delivery. Traditional doctoral training does not prepare clinicians or managers with the interdisciplinary knowledge required to meet these new demands in the health care marketplace. This program reflects a paradigm shift to a curriculum based on business entrepreneurship skills, such as business plans, marketing and returns on investment specific to health care; evidence-based behavioral interventions for primary care that are efficient and contribute to cost savings by reducing unnecessary medical care services and costs; health care systems policies, economics and finance that respond to emerging opportunities in health care reform; and medical literacy, to understand common medical conditions seen in primary care and consult effectively with the medical team.

The curriculum is unique in that it incorporates internship experience in primary care or similar medical settings, and it integrates clinical and professional affiliated faculty as well as faculty associates who are experts and are directly employed in health care environments in the area that they are teaching. It is a flexible, online degree program that enables students to select a program of study ranging from part-time to full-time attendance, and it is available through ASU Online as a distance-learning program. The program offers either a clinical track for licensed clinicians or a management track for health care managers and leaders, and it replaces the dissertation with a culminating research project that combines an applied research study with a business plan.

Internship experiences are arranged with local site liaisons, and students meet in small groups with a doctoral consultant who leads case reviews and studies. Rural health and experiences with disadvantaged and multicultural populations are encouraged. Graduates of the program will contribute to a societal transformation by leading to improved access to behavioral care, integration of a behavioral provider on the medical team, improved patient outcome and satisfaction, and decreased cost of care.

#### Degree Requirements:

84 credit hours including the required applied project course (IBC 793).

Required Core (12 credit hours)

IBC 712 Population Based Health Management (3)  
IBC 714 Quality and Performance Measurement, Improvement, and Incentives (3)  
IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)  
IBC 720 Behavioral Health Entrepreneurship (3)

Electives (33 credit hours)

Internship and Culminating Experience (9 credit hours)

Additional Curriculum Information

previously awarded master's degree or other courses approved by the supervisory committee (30 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (on a 4.00 scale) in the applicable master's degree.

All applicants must submit an online graduate admission application. Applicants should see specific concentrations for the items that must be submitted.

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must meet university and degree program English proficiency requirements.

In order to use the 30 credits from a previous master's degree, applicants must possess a bachelor's degree and a master's degree from a regionally accredited postsecondary institution in the U.S. or an equivalent degree from a recognized international postsecondary institution.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

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## Behavioral Health (Clinical), DBH (NHBVHCDBH)

**Online Degree Search Title:** Behavioral Health (Clinical), DBH

**Campus:** Online

**Program Description:**

The DBH is a global, interdisciplinary degree program that offers an innovative curriculum, a hands-on internship in primary care, and an applied research project for domestic and international students.

Clinical concentration students learn how to translate evidence-based practices that are tailored to fit the needs of the local community, patient population, and health care system. Students are prepared to anticipate trends in health care policy and to leverage their expertise in clinical practice, quality of care, population health and health care costs to thrive in the evolving health care marketplace.

The curriculum addresses the problem of poor health outcomes, barriers to patient access, and rising costs by preparing students to achieve the quadruple aim in health care: improved patient experience of care, population health management, cost-savings, and improved team satisfaction. Students learn how to improve the patient experience of care with evidence-based behavioral interventions to address behavioral problems such as depression, anxiety and trauma, lifestyle habits such as smoking, risky alcohol and drug use, poor nutrition and lack of physical activity, and medication nonadherence. Students master population health approaches to patient engagement, stratification and stepped care, and treat to target outcomes. Students learn to demonstrate cost savings and return on investment by developing the business case for integrated care. The student learning experience includes easy access to online articles, videos and web sites, weekly live webinars with faculty experienced in the field, live peer student webinars, and written assignments that parallel the writing used for clinical and business proposals in the real world.

In the culminating project, students use the quality improvement model to solve key problems in primary care, such as how to improve processes and outcomes, reduce waste, and decrease provider stress and burnout.

The internship program is hands-on in a local primary care clinic with in-person consultation by a licensed DBH faculty member in small group webinar format, a site mentor, and emphasis on clinical performance metrics common in the Patient Centered Medical Home and Accountable Care Organization approaches to primary care.

Students may join special research projects or have the opportunity for a semester of study abroad. The faculty are seasoned veterans representing clinical practice, management and applied research in integrated care.

**Degree Requirements:**

84 credit hours including the required Applied Project Course (IBC 793).

Required Core (12 credit hours)

IBC 611 Population-Based Behavioral Health Management (3)

IBC 614 Quality and Performance Measurement, Improvement and Incentives (3)

IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)

IBC 720 Behavioral Health Entrepreneurship (3)

Concentration (15 credit hours)

IBC 601 Models of Integrated Primary Care (3)

IBC 603 Brief Interventions in Primary Care (3)

IBC 604 Clinical Medicine/Pathophysiology (3)

IBC 608 Psychopharmacology for the Behavioral Care Provider (3)

IBC 609 Clinical Neuropathophysiology (3)

Electives or Research (18 credit hours)

Other Requirement (6 credit hours)

IBC 684 Internship (6)

Culminating Experience (3 credit hours)

IBC 793 Applied Project (3)

Additional Curriculum Information

A previously awarded master's degree from a regionally accredited university or other courses approved by the supervisory committee is required (30 credit hours).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (on a 4.00 scale) in the applicable master's degree.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- personal statement
- copy of the applicant's license or license eligibility
- one professional letter of recommendation
- updated curriculum vitae or resume
- program policies acknowledgements
- video or webcam admission interview (if indicated)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants with master's degrees in counseling, family therapy, nursing, occupational health, and social work, among others, are encouraged to apply. Applicants must be master's degree-level professionals who are either currently employed or aspire to be employed in a clinical capacity within integrated health care.

Licensed and license-eligible are terms defining a license to practice issued by a state licensing board (e.g., Arizona Board of Behavioral Health Examiners, Arizona Board of Occupational Therapy Examiners, etc.). Examples include:

- license-eligible master's degree-level behavioral clinician
- licensed master's degree-level behavioral clinician
- master's degree-level licensed medical or ancillary health care provider (nurse, dietitian, occupational therapist)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/doctor-behavioral-health-clinical/>)

#### Contact Information:

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## Behavioral Health (Management), DBH (NHBVHMDBH)

**Online Degree Search Title:** Behavioral Health (Management), DBH

**Campus:** Online

#### Program Description:

The DBH with a concentration in management is an innovative doctoral degree program that provides current and aspiring health care managers with training on integrated health care management. Integrated health care is the team-based, coordinated treatment of medical, lifestyle and behavioral conditions.

The Doctor of Behavioral Health program addresses a wide range of behavioral health issues impacting at-risk populations, from lifestyle to mental health to substance abuse, social determinants of health and health disparities. It focuses on integrated health management in primary care, especially in the patient-centered medical home and accountable care organization models. Integrated care is an excellent fit for other settings such as hospitals, emergency departments, specialty care, health plans, workplace wellness, educational and traditional mental health and substance use disorder treatment settings called bidirectional integration. The Doctor of Behavioral Health is a global, interdisciplinary program with curriculum and programs that enables both domestic and international students to translate management practices tailored to local health system geography,

culture, and policy.

The unique curriculum focuses on three areas: integrated behavioral health program design, quality and performance measurement, and business entrepreneurship. Graduates of the management concentration are positioned to achieve the Quadruple Aim in health care: improved patient experience of care, population health management, cost-savings and improved health care team experience. The curriculum emphasizes direct management or administration within medical settings, improving quality of care through population health management, and building and sustaining integrated care programs. The curriculum includes emerging health technologies such as integrated health measures in electronic health records, mobile health apps and wearable technology to facilitate and assist with tracking health behavior change, big data and analytics.

DBH graduates are expected to apply entrepreneurship concepts and skills to promote integrated health programs with key stakeholders, such as medical directors and chief executive officers. Graduates of the management concentration choose careers such as integrated care practice managers and choose leadership positions in integrated care delivery systems, health plans and managed care organizations as well as integrated care industry consultants.

**Degree Requirements:**

84 credit hours including the required Applied Project Course (IBC 793).

Required Core (12 credit hours)

IBC 611 Population-Based Behavioral Health Management (3)

IBC 614 Quality and Performance Measurement, Improvement, and Incentives in Health Care (3)

IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)

IBC 720 Behavioral Health Entrepreneurship (3)

Concentration (18 credit hours)

BMI 601 Fundamentals of Health Informatics (3)

IBC 601 Models of Integrated Primary Care (3)

IBC 626 Behavioral Health Management (3)

IBC 630 Financial Management of Health Care (3)

IBC 660 Healthcare Legal, Ethical, and Professional Issues (3)

IBC 740 Integrated Behavioral Interventions, Cost Savings, Medical Cost Offset and Return on Investment (3)

Electives or Research (18 credit hours)

Other Requirements (3 credit hours)

IBC 684 Internship (3)

Culminating Experience (3 credit hours)

IBC 793 Applied Project (3)

Additional Curricular Information

previously awarded master's degree from a regionally accredited university or other courses approved by the supervisory committee (30 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (on a 4.00 scale) in the applicable master's degree.

All applicants must submit:

- graduate admission application
- official transcripts
- personal statement
- one professional letter of recommendation
- updated curriculum vitae or resume
- program policies acknowledgements
- video or webcam admissions interview (if indicated)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants with master's degrees in business administration, public health, nursing, counseling, health care administration and social work, among others, are encouraged to apply. Applicants must be master's degree-level professionals who are either currently employed or aspire to be employed in a clinical capacity within integrated health care.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/doctor-behavioral-health-management/>)

**Contact Information:**

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## Biomedical Diagnostics, MS (NHBMDMS)

**Online Degree Search Title:** Biomedical Diagnostics, MS

**Campus:** Online

**Program Description:**

The MS in biomedical diagnostics is designed to be completed in one year, if enrolled full-time. This degree is offered entirely through ASU's unique online framework and offered primarily in condensed sessions.

The program has four areas that provide the foundation for the degree program: application of diagnostics, business of diagnostics, science of diagnostics, and technology of diagnostics.

Students complete a culminating experience in which they work with ASU professors or industry partners on a topic relevant to the diagnostics field.

**Degree Requirements:**

30 credit hours including an applied project (BMD 593).

Required Core (19 credit hours)

BMD 502 Foundations of Biomedical Informatics Methods I (3)

BMD 510 Current Perspectives in Biomedical Diagnostics (3)

BMD 511 Health Economics, Policy and Payment Models (3)

BMD 513 Principles of Diagnostic Technology: Immunoassays (4)

BMD 514 Principles of Diagnostic Technology: Molecular Diagnostics (3)

BMD 667 Regulation of Medical Diagnostics (3)

Electives (6 credit hours)

Research (2 credit hours)

Culminating Experience (3 credit hours)

BMD 593 Applied Project (3)

Additional Curricular Information

Students should see the academic unit for an approved elective list of BMD courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university in one of the following fields, or a closely related field: biomedical informatics, biology, life sciences, chemistry, biochemistry, engineering, biomedical engineering, business, computer science, supply chain management, health sciences or medical studies.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- 2 letters of recommendation
- statement of purpose
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency (students should see the Graduate College requirement <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)).

There are no required admission examinations.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-biomedical-diagnostics/>)

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## Biomedical Informatics, MS (ESBIOINFMS)

**Online Degree Search Title:** Biomedical Informatics, MS

**Campus:** Tempe

**Program Description:**

The MS in biomedical informatics is part of the College of Health Solutions. Professionals in the field use biomedical data, information and knowledge to improve human health. Students learn problem-solving, theory and methodologies underlying the field of biomedical informatics. Students in the master's program take courses in areas such as knowledge representation, clinical environments, imaging, bioinformatics and data science. Core courses provide a background in clinical informatics, while electives allow specialization in focus areas such as data science or mobile health.

BMI fosters collaborations among academic researchers, clinical practitioners and regional health care providers to apply new developments in informatics theory to clinical practice. Biomedical informatics has a key role to play in the transformation to more effective and efficient health care through the use of knowledge and information technology.

The program educates students in the informatics knowledge and skills that will enable them to:

- detect disease early
- improve the patient hospital experience
- improve the precision of diagnosis
- improve the quality of patient health care and reduce its cost
- minimize hospital visits

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biomedical Informatics, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

32 credit hours including an applied project (BMI 593).

Required Core (14 credit hours)

BMI 502 Foundations of Biomedical Informatics Methods I (3)



BMI 505 Foundations of Biomedical Informatics Methods II (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 570 BMI Symposium (2)

BMI 601 Fundamentals of Health Informatics (3)

Other Requirements (3 credit hours)

BMI 404 Clinical Environments (3) or

BMI 504 Introduction to Clinical Environments (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)

BMI 593 Applied Project (3)

Additional Curriculum Information

Six of the 12 elective credit hours must be BMI courses.

BMI 404 or 504 is required and may be substituted with other coursework with approval of the academic unit.

Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some coursework in preparation. However, all students will take 32 credit hours of graduate-level coursework.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology, computer science, engineering, nursing or statistics from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- 3 letters of recommendation
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via TOEFL scores.

Applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds also will be considered. However, all applicants must have basic competencies in college-level calculus (similar to MAT 270), general biology (similar to BIO 188) or physiology, statistics (similar to STP 226) and basic computer programming (similar to CSE 100 or CSE 110).

The applicant's undergraduate GPA, statement of purpose and depth of preparation in their field are the primary factors affecting admission. Every applicant must submit scores for the GRE or any other graduate-level entry examination.

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## **Biomedical Informatics, PHD (ESBMIPHD)**

**Online Degree Search Title:** Biomedical Informatics, PhD

**Campus:** Tempe

**Program Description:**

The PhD in biomedical informatics allows students to develop expertise in areas such as bioinformatics, clinical informatics, population health management and imaging. The BMI program fosters collaborations among academic researchers, clinical practitioners and regional health care providers to apply new developments in informatics theory to clinical practice.

Additional specialization coursework in an area of focus and emphasis on independent research are intended to place students at the leading edge of the field. Strong collaborative relationships with a variety of health care organizations, the bioscience industry and governmental agencies provide an unparalleled opportunity for doctoral students to explore and contribute to advances in bioinformatics and informatics related to imaging, clinical medicine and population health. Students may explore special foci on cross-cutting areas such as data science and knowledge representation.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

**Required Core (22 credit hours)**

BMI 502 Foundations of Biomedical Informatics Methods I (3)

BMI 504 Introduction to Clinical Environments (3)

BMI 505 Foundations of Biomedical Informatics Methods II (3)

BMI 515 Applied Biostatistics in Medicine and Informatics (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 560 Teaching in Biomedical Informatics (2)

BMI 570 Symposium (2)

BMI 601 Fundamentals of Health Informatics (3)

**Electives (38 credit hours)****Research (12 credit hours)**

BMI 792 Research (12)

**Culminating Experience (12 credit hours)**

BMI 799 Dissertation (12)

**Additional Curriculum Information**

Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some coursework in preparation. However, all students will take 84 credit hours of approved graduate-level coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- 3 letters of recommendation
- GRE scores
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Scores for the TOEFL for applicants whose native language is not English is required.

An applicant should have earned a bachelor's degree in biology, computer science, engineering or statistics, or be trained as a postbaccalaureate health professional in medicine, nursing or pharmacy. Those who have earned degrees in other unrelated fields with appropriate academic backgrounds will also be considered. However, all applicants must have basic competencies in anatomy and physiology, college calculus, computer programming, general biology and statistics.

The applicant's undergraduate GPA, statement of purpose and depth of preparation in their field are the primary factors affecting admission. Scores for the GRE (verbal, quantitative and analytical are required; the subject test is optional) or any other graduate-level entry examination.

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## Clinical Exercise Physiology, MS (NHCEPMS)

**Online Degree Search Title:** Clinical Exercise Physiology, MS

**Campus:** Downtown Phoenix

**Program Description:**

This MS degree program is preparation for a career as a clinical exercise physiologist, someone who usually works in concert with medical professionals to guide exercise and rehabilitation programs for at-risk clients and clients with chronic diseases, and it will provide the knowledge, clinical experience and skills needed to prepare individuals for successful completion of the registration examination for the registered clinical exercise physiologist certification.

The American College of Sports Medicine is the national association responsible for establishing guidelines and recommendations for exercise testing, prescription and evaluation of research for both healthy populations and those with chronic disease. The ACSM certification is deemed the organization's most prestigious credential for clinical professionals with a master's degree working with clients who are under the care of a physician for cardiovascular, pulmonary and metabolic diseases as well as orthopedic or musculoskeletal, neuromuscular, and neoplastic immunological or hematological diseases.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Exercise and Wellness, BS

Kinesiology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

36 credit hours and a written comprehensive exam, or 36 credit hours, a thesis, a written comprehensive exam, and an oral comprehensive exam.

## Required Core (24 credit hours)

EXW 501 Research Statistics (3)

EXW 535 Advanced Exercise Assessment and Prescription (3)

EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)

EXW 542 Health Promotion (3)

EXW 560 Cardiopulmonary Rehabilitation (3)

EXW 565 Cardiovascular and Pulmonary Physiology (3)

EXW 568 Management and Treatment of Chronic Disease for the Clinical Exercise Physiologist (3)

KIN 547 ECG Interpretation (3)

## Electives (2 credit hours)

EXW 591 Seminar (2)

## Research (3 credit hours)

EXW 500 Research Methods (3)

## Other Requirement (6 credit hours)

EXW 584 Clinical Exercise Physiology Internship (6)

## Culminating Experience (0-6 credit hours)

written comprehensive exam or

EXW 599 Thesis (6)

## Additional Curriculum Information

Students take EXW 591 in two terms for 1 credit hour each.

Thesis students must pass a written and oral comprehensive exam.

Students who select the thesis option are not required to participate in the six credit hours of EXW 584 Clinical Exercise Physiology Internship.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in exercise science, exercise physiology, kinesiology or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There is no required foreign language exam.

All qualified applicants are admitted providing they have met all requirements for admission. Admission is not limited to any target number of students unless enrollment exceeds the projected capacity of the program to provide an adequate, quality program. In the case of space limitations, applicants are prioritized based on GRE scores, GPA, letters of reference and letter of intent for admission to the program.

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## Communication Disorders, MS (LACOMDISMS)

**Online Degree Search Title:** Communication Disorders, MS

**Campus:** Tempe

**Program Description:**

The MS in communication disorders is a full-time residential program that can be completed in 20 months and prepares students to become certified speech language pathologists. The master's degree program trains students to evaluate and treat clients in speech, language, cognitive and communication disorders.

The first year of the program focuses on developing knowledge and skills in assessment and treatment of communication disorders across the lifespan. Hybrid courses use flipped classrooms and problem-based learning to develop skills needed in the field. The second year of the program allows students to focus their interests in specialty areas and acquire clinical skills in external clinical placements.

The program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

This program provides a wide range of research and clinical opportunities. Clinical settings include inpatient and outpatient medical sites, public schools, early intervention programs and private practices. A part-time employment program is available for speech language pathology assistants who are working in a public school setting.

**Degree Requirements:**

52 credit hours and a written comprehensive exam, or 52 credit hours, a thesis and a written comprehensive exam.

Required Core (31 credit hours)

SHS 538 Clinical Methods in Speech-Language Pathology (3)

SHS 539 Professional Issues in Speech-Language Pathology (2)

SHS 567 Neural Bases of Communication Disorders (2)

SHS 570 Communication Disorders and Multicultural Populations (2) or SHS 597 Bilingual Speech-Language Pathology (2)

SHS 571 Augmentative Communication and Language Programming (2)

SHS 572 Language Assessment and Intervention in Infants and Toddlers (2)

SHS 573 Language Assessment and Intervention with School-Age Populations (2)

SHS 574 Management of Voice and Swallowing Disorders (2)

SHS 575 Aphasia and Related Neurogenic Language Disorders (2)

SHS 577 Current Assessment, Intervention and Research in Autism (2)

SHS 578 Fluency Disorders (2)

SHS 581 Right Hemisphere Syndrome, Traumatic Brain Injury and Dementia (2)

SHS 582 Differential Diagnosis of Communication Disorders (2)

SHS 585 Articulation and Phonology: Assessment and Intervention (2)

SHS 587 Language Assessment and Intervention with Preschool Populations (2)

Electives (0 or 6 credit hours)

Other Requirements (15 credit hours)

SHS 500 Research Methods (1)

SHS 580 Clinical Practicum (6)

SHS 584 Clinical Internship (8)

Culminating Experience (0 or 6 credit hours)

written comprehensive exam (0) or

SHS 599 Thesis (6)

Additional Curricular Information

Core course SHS 538 is one credit hour taken three times for a total of three credit hours.

Students in the nonthesis option take six credit hours of electives. Students should see the academic unit for an approved list of elective courses.

Both the thesis and nonthesis options require the American Speech-Language-Hearing Association Praxis national exam in speech language pathology. This is the comprehensive exam for the thesis option. For the nonthesis option, a department-administered comprehensive examination in speech-language pathology is required along with the national exam to fulfill the requirements of the comprehensive exam.

Eligibility for graduation is based upon a passing score on the American Speech-Language-Hearing Association Praxis national certification examination in speech-language pathology; successful completion of the thesis or nonthesis option, including the required culminating experience and academic credits; and successful completion of clinical experiences.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in speech and hearing science or a related field from a regionally accredited institution and completed prerequisite coursework in speech and hearing.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement not to exceed 300 words
- GRE scores
- email addresses of three recommenders
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines and admission terms. Candidates who have undergraduate deficiencies may need to take required prerequisite courses.

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## Communication Disorders in Multilingual/Multicultural Populations (certificate), Certificate (NHCDMPGRCT)

**Online Degree Search Title:** Communication Disorders in Multilingual/Multicultural Populations (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The certificate program in communication disorders in multilingual/multicultural populations provides expanded coursework on working with adults, children and families who are culturally and linguistically diverse. It also provides enhanced academic classes, clinical experience in authentic community-based settings, and engagement in community-centered, interprofessional projects.

Students who complete the certificate program have the knowledge and practical experience to address effectively the needs of culturally and linguistically diverse adults, children and families.

**Degree Requirements:**

15 credit hours.

Required Core (11 credit hours)

- SHS 524 Counseling in Communication Disorders (2)
- SHS 570 Communication Disorders and Multicultural Populations (2)
- SHS 586 Language Essentials for Teaching Reading (2)
- SHS 588 Spanish Language Acquisition (3)
- SHS 597 Bilingual Speech-Language Pathology (2)

Other Requirement (4 credit hours)

- SHS 584 Clinical Internship (4)

Culminating Experience (0 credit hours)  
portfolio (0)

#### Additional Curriculum Information

A written portfolio in multicultural populations is the culminating experience for the certificate. This is an applied, community-based project that builds depth of knowledge resulting in a paper that students must present to the academic unit. Students should discuss research opportunities with their academic advisor for their portfolio.

As part of the certificate requirements, students also must complete an online module on parent training with culturally and linguistically appropriate techniques.

Students who wish to obtain a bilingual endorsement must complete the Arizona Classroom Teacher Spanish Proficiency Examination administered by the School of International Letters and Cultures.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the certificate program if they are enrolled in the MS program in communication disorders at ASU.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- letter of intent or written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International students who need an F1 or J1 visa will need to first apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Candidates who have undergraduate deficiencies may need to take required prerequisite courses.

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## Exercise and Nutritional Sciences, PHD (ECNUTRIPHD)

**Online Degree Search Title:** Exercise and Nutritional Sciences, PhD

**Campus:** Downtown Phoenix

#### Program Description:

In integrating disciplinary contexts, the PhD program in exercise and nutritional sciences is uniquely designed to train scholars to conduct high impact, transdisciplinary health promotion research that explores issues that contribute to health through chronic disease risk reduction, quality of life promotion and enhancement of well-being.

Students are actively engaged in research at every stage of the program through participation in research internships, independent research experiences, research seminars and colloquia, and dissertation research. They work collaboratively with an approved mentor from the beginning to the end of the doctoral program. A mentor is selected by mutual agreement between student and mentor based on mutually compatible research interests and funding availability.

Program graduates are prepared for research careers in research-intensive universities, governmental agencies and health-related research positions in private industry.

The program is four years of full-time study after earning a master's degree. The program accepts part-time students.

**Degree Requirements:**

97 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

EXW 640 Analysis of Variance for Exercise and Wellness (3)

EXW 643 Correlation/Regression/Multivariate Statistics (3)

Required Research (12 credit hours)

Elective Research (17 credit hours)

Professional Development (5 credit hours)

Area of Focus (theme) (15 credit hours)

Dissertation (12 credit hours)

Additional Curriculum Information

Students are to tailor a course of study in either: nutrition and health, or physical activity and health. Within these areas, students are expected to focus their study in a specific thematic area. There are eight thematic areas to choose from:

- behavioral aspects of nutrition and physical activity
- biomechanics, movement control and injury prevention
- chronic disease prevention
- energy balance, metabolism and physiology
- epidemiology, surveillance and measurement
- health information, communication and technology
- lifespan, aging and special populations
- public health, community and health policy

Courses in the focus or thematic area are determined by the student and supervisory committee. Up to three but not more than nine credit hours in the focus area may be taken from a program outside the nutrition, exercise science and health promotion programs.

When approved by the student's supervisory committee and Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used for this degree.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in any field, from a regionally accredited institution, and prefer that a data-based research thesis has been completed.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, and applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (verbal, quantitative and writing)
- letter of intent
- professional resume
- three letters of recommendation
- teaching or research assistantship application
- writing sample (six to 10 pages)
- an oral interview with program faculty (in person or via Skype) prior to acceptance
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants must submit a TOEFL score unless the requirements for an exception have been met. Details are available at



<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The letter of intent should indicate research or scholarly interest, primary program area, statement of career goals and name of a potential faculty mentor from the list of approved faculty mentors.

#### Prerequisites

All applicants must have taken a graduate level research methods and a graduate level research statistics course prior to admission. Students are expected to take a pretest in research methods and research statistics the summer prior to enrolling.

It is expected that students admitted to the program have documented academic training and a strong interest in exercise science, nutrition science or health promotion. Thus, depending on the student's academic training, background, scholarly interests and focus area, a student may be asked to take undergraduate courses as deficiencies prior to or concurrently with graduate course enrollment.

#### Pathways through program

Two pathways through the program are available to students depending on their funding source: full-time via TA/RA funding, or part-time self-funded. With both pathways, the intent is to involve and embed students in ongoing research as well as in class study throughout their stay.

Students should see the program website for application deadlines and admission terms.

#### Contact Information:

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## Exercise and Wellness, MS (EEXERMS)

**Online Degree Search Title:** Exercise and Wellness, MS

**Campus:** Downtown Phoenix

#### Program Description:

The MS program in exercise and wellness offers unique opportunities for those interested in becoming scholarly professionals with advanced training in fitness and wellness, strength and conditioning, exercise and physical activity health promotion, or exercise and chronic disease prevention.

The degree program is appropriate for those who wish to pursue careers in commercial fitness and wellness, strength and conditioning, worksite or corporate fitness, community physical activity health promotion, and personal training for health and performance or life coaching. It's for professionals in education, counseling, nutrition or other health related fields who wish to expand their knowledge and skill for working with fitness, exercise and physical activity behavior, and it's for those who wish to pursue further graduate study in fields such as exercise physiology, public health or physical therapy.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Exercise and Wellness, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

36 credit hours and a applied project, or 36 credit hours and a thesis, or 36 credit hours and a written comprehensive exam.

Required Core (9 credit hours)

EXW 501 Research Statistics (3)

EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)

EXW 542 Health Promotion (3)

Research (6 credit hours)

EXW 500 Research Methods (3)

EXW 591 Exercise and Wellness Seminar (1)

EXW 592 Research (2)

Electives (15-21 credit hours)

Culminating Experience (0-6 credit hours)

EXW 599 Thesis (6) or  
EXW 593 Applied Project (6) or  
written comprehensive exam (0)

Additional Curriculum Information

All students must focus their plan of study in one of four areas: fitness and conditioning, exercise science, physical activity health promotion, or exercise and aging. The focus determines the choice of electives available to students. For a list of approved elective courses, students should see the academic unit.

All students are admitted to the nonthesis option but may apply to the thesis option.

The nonthesis option requires an applied project or a written comprehensive exam as the culminating experience. The nonthesis option is an appropriate choice for those students who cannot devote full-time to their research endeavors or for students who are seeking to continue their education, advance their skill level as practitioners or advance their current careers. Students who take the written comprehensive exam are required to take six additional elective courses in the focus area.

In the thesis option, the thesis is considered the final integrative experience of the degree; it involves conducting research that is guided by a recognized research paradigm (e.g., scientific, interpretive) and producing a scholarly report of the process and results. The thesis option is a good choice for students who are interested in pursuing more advanced graduate study in the field.

**Fitness and Conditioning:** Focused study in the science, theory, and application of strategies to enhance fitness, health and performance and reduce the risk of chronic disease. This focus area of study is a good option for students who are interested in careers in strength and conditioning and the fitness industry or who are pursuing further graduate study in applied exercise science or physical therapy.

**Exercise Science:** Focused study in the areas of advanced exercise physiology and the neuro-mechanical aspects of movement. This focus area is a good choice for students who are interested in pursuing further graduate study in exercise science or kinesiology.

**Physical Activity Health Promotion:** Focused study in the planning, implementation, and evaluation of health promotion programs to enhance physical activity behavior, the physiology of physical activity and chronic disease, and theories and practices related to health behavior change. This focus area of study is a good option for students who are interested in pursuing careers in health promotion, corporate wellness, public health, or who may be pursuing further graduate study in health promotion or public health.

**Exercise and Aging:** Focused area of study on the impact of physical activity on aging, the management and treatment of chronic disease, geriatric nutrition, and the neuro-motor aspects of aging and exercise. This focus area is a good option for students who are interested in designing and delivering physical activity and exercise programs specifically for older adult populations.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Students are expected to have the coursework and undergraduate credit for the basic courses required for a BS degree in exercise and wellness. Students who do not have these course competencies can be admitted with deficiencies. Deficiencies are determined upon admission, and these courses must be completed, usually by the end of the first year of study. These courses are not considered part of the graduate plan of study. A graduate course may be substituted for a deficiency but will be evaluated on a case-by-case basis.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of career or research interests
- three professional letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must submit proof of English proficiency.

BIO 201 and BIO 202 must be completed prior to admission to the master's degree. Other deficiency courses may be taken prior to or during the

master's degree program. The corresponding ASU course can be found in parentheses:

Human Anatomy and Laboratory (BIO 201 Human Anatomy and Physiology I)  
Human Physiology and Laboratory (BIO 202 Human Anatomy and Physiology II)  
Human Nutrition (NTR 241 Human Nutrition)  
Exercise Physiology and Laboratory (EXW 315 Physiological Foundations of Movement)  
Kinesiology and Laboratory (EXW 330 Kinesiological Foundations of Movement)  
Exercise Testing and Laboratory (EXW 420 Exercise Testing)  
Exercise Prescription (EXW 425 Exercise Prescription)

An undergraduate course in statistics is strongly recommended.

Students should see the program website for application deadlines.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/>  
HLTHN 401AA  
CHSGrad@asu.edu  
602-496-3300

## Exercise and Wellness (Healthy Aging), MS (NHEXWHMS)

**Online Degree Search Title:** Exercise and Wellness (Healthy Aging), MS

**Campus:**

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The MS program in exercise and wellness with a concentration in healthy aging prepares the graduate student in the delivery of physical activity programs to older adults.

Program content includes the theories of aging; the impact of aging on functional capacity and motor abilities; the role of lifestyle behaviors in aging, physical activity assessment and programming for older adults; physical activity and nutritional influences on healthful aging; and the relationship of exercise and chronic disease.

**Degree Requirements:**

36 credit hours and a thesis, or 36 credit hours and a written comprehensive exam, or 36 credit hours including a capstone course (EXW 597).

Required Core (9 credit hours)

EXW 501 Research Statistics (3)

EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)

EXW 542 Health Promotion (3)

Concentration (15 credit hours)

EXW 535 Advanced Exercise Assessment and Prescription (3)

EXW 540 Mindfulness, Stress and Health (3)

EXW 568 Management and Treatment of Chronic Disease for the Clinical Exercise Physiologist (3)

KIN 523 Motor Control and Aging (3) OR EXW 635 Physical Activity and Aging (3)

NTR 551 Geriatric Nutrition (3)

Research (6 credit hours)

EXW 500 Research Methods (3)

EXW 591 Seminar (2)

EXW 592 Research (1)

Other Requirement (6)

EXW 584 Internship (6)

Culminating Experience (0 or 6 credit hours)

EXW 597 Capstone Project (6) OR

EXW 599 Thesis (6) OR

written comprehensive exam (0)

#### Additional Curriculum Information

EXW 584 Internship is only taken by students who select the written comprehensive exam culminating experience option.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of career or research interests
- three professional letters of recommendation
- proof of English proficiency

#### Additional Application Information

Applicants are expected to have the coursework and undergraduate credit for the basic courses required for a BS degree in exercise and wellness. Students who do not have these course competencies can be admitted with deficiencies. Deficiencies are determined upon admission, and these courses must be completed, usually by the end of the first year of study. These courses are not considered part of the graduate plan of study. A graduate course may be substituted for a deficiency but is evaluated on a case-by-case basis.

The following courses must be completed prior to or during the master's degree as deficiencies. The corresponding ASU course can be found in parentheses:

Human Anatomy and Laboratory (BIO 201 Human Anatomy and Physiology I)  
Human Physiology and Laboratory (BIO 202 Human Anatomy and Physiology II)  
Human Nutrition (NTR 241 Human Nutrition)  
Exercise Physiology and Laboratory (EXW 315 Physiological Foundations of Movement)  
Kinesiology and Laboratory (EXW 330 Kinesiological Foundations of Movement)  
Exercise Testing and Laboratory (EXW 420 Exercise Testing)  
Exercise Prescription (EXW 425 Exercise Prescription)

An undergraduate course in statistics is strongly recommended.

An applicant whose native language is not English (regardless of current residency) must submit a proof of English proficiency via a TOEFL score unless they meet the requirements for an exception.

Students should see the program website for application deadlines.

#### Contact Information:

Health Solutions, College of  
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<https://chs.asu.edu/>  
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602-496-3300

## Health Informatics, MAS (GCHLHINMAS)

**Online Degree Search Title:** Health Informatics, MAS

**Campus:** Online

#### Program Description:

The MAS degree in health informatics is a flexible program formatted to meet the needs of working professionals. Core courses provide a background in clinical informatics, while electives allow students to specialize in focus areas such as data science or mobile health. The degree program prepares graduates with skills for careers in a wide range of health care settings. Professionals in nonhealth fields can also develop the skills needed to transition into careers in this rapidly expanding field.

**Degree Requirements:**

30 credit hours including the required applied project course (BMI 593).

Required Core (12 credit hours)

BMI 601 Fundamentals of Health Informatics (3)

BMI 603 Health Informatics Database Modeling and Applications (3)

BMI 614 Current Perspectives in Health Informatics (3)

BMI 616 Clinical Decision Support and Evidence-Based Medicine (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)

BMI 593 Applied Project

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related field such as biology, computer science, medicine, nursing, pharmacy or public health, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- two letters of recommendation
- statement of purpose
- proof of English proficiency

Additional Admission Requirements

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score is required for applicants whose native language is not English.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-health-informatics/>)

**Contact Information:**

Health Solutions, College of

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480-884-0220

## Integrated Behavioral Health - Clinical (Certificate), Certificate (NHIBHCGRCT)

**Online Degree Search Title:** Integrated Behavioral Health -Clinical (Graduate Certificate)

**Campus:** Online

**Program Description:**

This certificate program in integrated behavioral health with a clinical focus provides training for clinicians who aspire to work in integrated primary care behavioral health. Though there is a growing need for behavioral health providers who can promote the physical and mental health of primary care patients, and despite licensed social workers and counselors comprising much of the field's workforce, there remain few opportunities for specific clinical training in the field. Few have received specific clinical training in brief focused interventions delivered in primary care clinics for a wide scope of health concerns.

The curriculum is designed to provide students with a deeper understanding of models of primary care behavioral health and provide training on evidence-based approaches to behavioral health care, population-based health and medical literacy to ensure applicants have a working

knowledge of the skills necessary for success in the integrated primary care arena.

### **Degree Requirements:**

Required Core (12 credit hours)

IBC 601 Models of Integrated Primary Care (3)

IBC 603 Brief Interventions in Primary Care (3)

IBC 604 Clinical Medicine/Pathophysiology (3)

IBC 611 Population-Based Behavioral Health Management (3)

Electives (3 credit hours)

Additional Curriculum Information

Students should see the academic unit for the approved course list of electives. Other coursework may be used with the approval of the academic unit.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in a related field such as social work, counseling, family therapy, clinical psychology or nursing, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official graduate transcripts
- personal statement
- one letter of professional recommendation
- current resume or curriculum vita
- submission of licensure form and copy of license
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

All applicants are required to hold a master's degree that results in behavioral health licensure or license-eligibility. In rare cases, applicants are considered with a master's degree and licensure unrelated to their degree (e.g., applicant with a master's degree in public health and licensure as a registered dietician). Consistent with the current admissions process for the Doctor of Behavioral Health program, licensure and licensure-eligibility is determined by the student's submission of an online form that is part of the supplemental application and a copy of their board-issued license.

The requirements for the personal statement are outlined on the online application.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/integrated-behavioral-health-clinical-grad-certificate/>)

### **Contact Information:**

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<https://chs.asu.edu/>

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602-496-3300

## **Integrated Behavioral Health - Management (Certificate), Certificate (NHIBHMGRCT)**

**Online Degree Search Title:** Integrated Behavioral Health - Management (Graduate Certificate)

**Campus:** Online

**Program Description:**

This certificate program in integrated behavioral health - management is designed for health care managers with master's degrees as well as aspiring health care managers and provides training on the integration of medical and behavioral services. Integrated health care has expanded significantly in recent years in conjunction with the expansion of the primary care medical home model and other funding initiatives that reimburse primary care practices for better managing the whole-health care of their patients, including treatment of mental health concerns and enhanced behavior change coaching that result in improved health outcomes. Despite the growing need for such clinics, few individuals have received training on models of primary care integration and business and funding initiatives required for successful integration.

**Degree Requirements:**

Required Core (12 credit hours)

IBC 601 Models of Integrated Primary Care (3)

IBC 614 Quality and Performance Measurement, Improvement and Incentives in Health Care (3)

IBC 626 Behavioral Health Management (3)

IBC 630 Financial Management of Health Care (3)

Electives (3 credit hours)

Additional Curriculum Information

Students should see the academic unit for the approved course list of electives. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- one letter of professional recommendation
- current resume or curriculum vita
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The requirements for the personal statement are outlined on the online application.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/integrated-behavioral-health-management-grad-certificate/>)

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**Integrated Health Care, MIHC (NHIHCFMIHC)**

**Online Degree Search Title:** Integrated Health Care, MIHC

**Campus:** Downtown Phoenix

**Program Description:**

Graduates of the MIHC degree program are prepared to develop, implement, evaluate and sustain integrated care delivery in diverse health care settings. Through the Master of Integrated Health Care program, students gain management-level knowledge in health care operations, financial management, quality improvement, big data analytics, evidence-based practice, interprofessional leadership and team work, and strategic planning. Students apply their knowledge and advance their competencies through a final project as they assist a health care system to further an existing or emerging integrated care program.

Master of Integrated Health Care graduates have the competencies to serve as managers in primary care clinics, hospitals, mental health and substance abuse treatment programs, health plan disease management and employer-based wellness programs, and other innovative integrated care settings.

**Degree Requirements:**

30 credit hours including the required applied project course (IBC 593).

Required Core (21 credit hours)

IBC 520 Integrated Health Care: The Patient-Centered Medical Home (PCMH) (3)

IBC 530 Evidence-based Integrated Health Care (3)

IBC 540 Integrated Health Care Process Improvement (3)

IBC 550 Integrated Care Business Operations (3)

IBC 560 Strategic Business Planning and Big Data (3)

IBC 570 Financial Management (3)

IBC 585 Interprofessional Consultation, Leadership and Teamwork in Integrated Health Care (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

IBC 593 Applied Project (3)

Additional Curricular Information

Students select HCI 500-level elective courses with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in social or behavioral sciences, health, business, public health, management or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- personal statement
- official transcripts
- curriculum vitae
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

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**International Health Management, MIHM (NHIHMIHM)**

**Online Degree Search Title:** International Health Management, MIHM

**Campus:** Online



**Program Description:**

The 100 percent online MIHM degree is offered by Arizona State University in partnership with the University of New South Wales in Sydney, Australia. Ideal for students seeking a career in international health systems management, this degree program advances the core principles of the PLuS Alliance to develop solutions to global challenges and generate social impact in health and health care. The collaborative and international nature of the program provides students access to global academic networks and industry partners.

Students in this international health management program select a track focusing on health informatics, quality improvement in health care, health economics or hospital management. Students will build knowledge necessary for leadership and management, including policy, economics, finance and development, from the combined expertise of faculty at two world-renowned research universities. After courses in health care management, finance and comparative health systems, students choose an area of focus in health informatics, quality improvement in health care, health economics or hospital management.

Major sites of employment for graduates include hospital systems, nursing homes and similar facilities, and outpatient clinics. There is a significant growth market for graduates with skills in international health management given the aging populations and the need for a health care workforce competent in informatics, leadership and finance.

**Degree Requirements:**

30 credit hours and a portfolio.

Required Core (6 credit hours)

HCD 532 Health Care Management and Finance (3)

HCD 537 Comparative Health Care Systems (3)

Track Courses (12 credit hours)

Electives or Research (12 credit hours)

Culminating Experience (0 credit hours)

Portfolio (0)

Additional Curriculum Information

Coursework taken for this program is provided through ASU and the University of New South Wales. For the specified core course, students take the equivalent of HCD 537 (PHCM 9471) at the University of New South Wales.

Students select one of the tracks as part of their curriculum. Some track courses are also listed as possible electives. In the event that an elective course is also listed as a specific track course for the track the student has selected, the student must select a different course as the elective.

Students should see the academic unit for an approved list of track and elective courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as biology, chemistry, biochemistry, nursing, public health, pharmacy, biomedical informatics, social work, premed, prehealth, nutrition, health promotion or others.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of reference
- personal statement
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Three letters of reference from either academic or professional sources are required; reference letters from friends or relatives are not accepted. Letters demonstrating involvement in health care, community service or leadership are encouraged.

A personal statement must be submitted that explains how the applicant plans to contribute to the health care system after the degree is obtained; how the program will help the applicant achieve their goals; what the applicant's career aspirations are; and what interested the applicant in this degree program.

A phone or video conference interview with the admissions committee may be required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/international-health-management-mihm/>)

**Contact Information:**

Health Solutions, College of  
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<https://chs.asu.edu>  
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602-496-3300

## Medical Nutrition, MS (NHMNTSMS)

**Online Degree Search Title:** Medical Nutrition, MS

**Campus:** Online

**Program Description:**

This MS program in medical nutrition is designed for current and future health care professionals, including gap-year students, those who have completed their bachelor's degree but have not yet secured admission to medical, veterinary, dental, osteopathic, physician assistant or similar schools; and for current medical students, residents, fellows and practitioners in the aforementioned fields who seek to develop a strong knowledge base in the nutritional sciences and its application in the health care field.

Students develop competence in nutritional biochemistry and its application in health maintenance, the treatment of disease and disease prevention. Training in therapeutic diets, nutrition guidelines and supplement and functional food usage is integrated into coursework and culminating experiences. Self-directed learning using evidence-based nutrition research and case studies is emphasized, and students develop interpretive expertise and nutritional assessment techniques to use in clinical practice. Proficiency in reading and interpreting nutrition research is a key program goal.

**Degree Requirements:**

30 credit hours including an applied project course (NTR 593).

Required Core (9 credit hours)

NTR 502 Statistics in Research (3)

NTR 510 Food and Nutrition Across the Lifespan (3)

NTR 511 Medical Nutrition in the Care and Prevention of Disease (3)

Restricted Electives (12 credit hours)

Other Requirement (3 credit hours)

NTR 500 Research Methods (3)

Culminating Experience (6 credit hours)

NTR 593 Applied Project (6)

Additional Curriculum Information

For the approved list of restricted electives, students should see the academic unit. Restricted elective and other requirement coursework may be substituted with the approval of the student's graduate committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- one page personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from previous instructors or professors.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/medical-nutrition-ms/>)

**Contact Information:**

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## Nutrition, MS (ECHNUTMS)

**Online Degree Search Title:** Nutritional Science, MS

**Campus:** Downtown Phoenix

This program's name has changed effective Fall 2019. The previous name was Nutrition.

**Program Description:**

The ASU MS program in nutritional science prepares students to translate nutrition science into practical use for human health and wellness. Students learn about nutrition alongside faculty who are immersed in the latest research, and they build practical understanding through internships and their own guided research.

The program is based on the scientific foundations of human nutrition, but also prepares students to have strong writing and problem-solving skills, computer literacy, interpretive expertise, and research experiences. Students who have completed an accredited didactic program in dietetics may also elect to apply to the ASU dietetic internship in order to meet the requirements to become a registered dietitian nutritionist. More information is available at <https://chs.asu.edu/programs/nutrition-dietetics/how-become-registered-dietitian> (<https://chs.asu.edu/programs/nutrition-dietetics/how-become-registered-dietitian>).

The primary objective of the graduate program in nutrition is to provide advanced training in nutrition research. Graduate students are expected to develop competencies in research methods and in advanced practice knowledge relevant to their area of study. The skills and knowledge acquired during the course of training should enable each student to develop professional competencies that can be applied to significant problems and issues within the field of nutrition and dietetics.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required Applied Project course (NTR 593).

Required Core (6 credit hours)

NTR 500 Research Methods (3)

NTR 501 Research Methods in Nutrition II (3)

Concentration (6 credit hours)

Electives (9 credit hours)

Statistics (3 credit hours)

Culminating Experience (6 credit hours)

NTR 593 Applied Project (6) or  
NTR 599 Thesis (6)

#### Additional Curriculum Information

For the concentration, electives and statistics requirements, students should see the academic unit for the approved course lists. Possible approved courses may include nutrition seminars. Graduate-level nutrition seminars vary by semester, in topics and availability. Current topics include:

NTR 503 Designing Health Behavior Change Interventions (3)  
NTR 523 Vegetarian Nutrition (3)  
NTR 527 Policies, Environment and Obesity Prevention (3)  
NTR 529 Pediatric Nutrition (3)  
NTR 532 Endocrine Pathophysiology and Nutrition (3)  
NTR 535 Nutrigenomics (3)  
NTR 537 Evidenced-Based Nutrition (3)  
NTR 555 Nutrition and the Athlete (3)  
NTR 598 Special Topics (3)

NTR 598 seminars reflect the changing nature of research and cover different subject areas each semester. Recent seminars include Advanced MNT, epidemiology, eating disorders, and sports nutrition.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree (nutrition or science is recommended) from a regionally accredited institution. Students who are pursuing the Master of Science in nutritional science will need to complete the following prerequisites: anatomy and physiology, biochemistry, general chemistry with lab, general nutrition for majors, microbiology, organic chemistry with lab, and statistics.

These courses are part of the ASU didactic program in dietetics required for ASU's BS degree in dietetics and to be eligible to apply for admission into an accredited dietetic internship to become a registered dietitian. If an applicant has completed a didactic program in dietetics from another university, these prerequisites will be considered complete. Prerequisite courses can be in progress when the student submits the application; however, if the student is accepted into the Master of Science degree program, all prerequisites must be completed before the program begins in the fall semester.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- resume
- personal statement
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A resume that summarizes the academic, volunteer and employment experiences of the applicant needs to be submitted with the graduate admission application.

A personal statement that includes the following must be submitted with the graduate admission application:

- a description of the applicant's significant professional responsibilities
- the applicant's professional goals and the reasons for the desire to enroll in ASU's program
- the applicant's strengths that will allow the applicant success in the program and in reaching professional goals
- the applicant's personal research interests, described as specifically as possible, including any previous research experience

Three letters of recommendation are required, including at least one from an instructor at the applicant's undergraduate school. Letters of recommendation can be submitted with the graduate admission online application.

There is not a required foreign language examination for this program.

No interview is required.

**Contact Information:**

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College of Health Solutions  
<https://chs.asu.edu/>  
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602-496-3300

## Nutrition (Dietetics), MS (ECNTRDMS)

**Online Degree Search Title:** Nutritional Science (Dietetics), MS

**Campus:** Online

This program's name has changed effective Fall 2019. The previous name was Nutrition (Dietetics).

**Program Description:**

The MS program in nutritional science with a dietetics concentration is a nonthesis option for registered dietitian nutritionists seeking to continue their education and advance their skills as practitioners. Designed with working professionals and students' learning preferences in mind, the program is completely online and can be completed either full time or part time. The program is based on the scientific foundations of nutrition and prepares students to have strong writing skills, computer literacy, interpretive expertise and problem-solving skills.

This is a fully online program with multiple start dates each year. Courses are 7.5 weeks long and semesters are divided into A and B sessions. Up to 12 credit hours can be transferred from another accredited program with the approval of the program director.

**Degree Requirements:**

30 credit hours including the required applied project course (NTR 593).

Required Core (6 credit hours)

NTR 500 Research Methods (3)

NTR 501 Research Methods in Nutrition II (3)

Concentration (6 credit hours)

Electives (9 credit hours)

Statistics (3 credit hours)

Culminating Experience (6 credit hours)

NTR 593 Applied Project (6)

Additional Curriculum Information

For the concentration, electives, and statistics requirements, students should see the academic unit for the approved course lists. Possible approved courses may include nutrition seminars. Graduate-level nutrition seminars vary by semester, in topics and availability. Current topics include:

NTR 503 Designing Health Behavior Change Interventions (3)

NTR 523 Vegetarian Nutrition (3)

NTR 527 Policies, Environment and Obesity Prevention (3)

NTR 529 Pediatric Nutrition (3)

NTR 532 Endocrine Pathophysiology and Nutrition (3)

NTR 535 Nutrigenomics (3)

NTR 537 Evidenced-Based Nutrition (3)

NTR 555 Nutrition and the Athlete (3)

NTR 598 Special Topics (3)

NTR 598 seminars reflect the changing nature of research and cover different subject areas each semester. Recent seminars include global nutrition, public health, functional foods and sports nutrition.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are required to have adequate academic preparation which includes a minimum of a BS or BA degree from a regionally accredited

institution, current RD credential, and one year of full-time work experience as an RD.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of Registered Dietitian status
- resume
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score.

Applicants should submit proof of registered dietitian status by accessing the Commission on Dietetic Registration's website (<https://www.cdrnet.org>) and complete the verification process using the online credential verification search.

A resume is required that summarizes the applicant's academic, volunteer and employment experiences.

Also required is a one- to two-page, typed, double-spaced, personal statement addressing the following: significant professional responsibilities the applicant has held; professional goals and reasons for desiring to enroll in this program; strengths that will help the applicant succeed in this program and in reaching their professional goals; and, personal interests in research, including, if applicable, studies involving the practice of dietetics.

Three letters of recommendation are to be submitted with the application, including at least one from an employer or work supervisor.

Because passing the registered dietitian exam and gaining work experience in the field of dietetics are required for successful admission to the MS in nutritional science dietetics concentration, the nutrition program graduate committee does not require applicants to take or submit scores from the GRE. In lieu of GRE scores, a telephone interview may be conducted.

There is not a required foreign language examination for this program.

A personal or phone interview may be required.

Applicants to the Master of Science degree program in nutritional science with a concentration in dietetics must have one year of full-time work experience as a registered dietitian nutritionist; however, applicants do not have to be employed at the time they apply to the program nor do students have to be employed to maintain good standing within the program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-nutritional-science-dietetics/>)

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/>  
HLTHN 401AA  
CHSGrad@asu.edu  
602-496-3300

## Obesity Prevention and Management, MS (NHOBSMS)

**Online Degree Search Title:** Obesity Prevention and Management, MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS in obesity prevention and management is an innovative degree program that draws on a wide array of expertise at ASU. The curriculum is designed to integrate perspectives from the social, applied, life and health sciences and provides advanced, graduate-level, problem-focused, experiential training that is grounded in evidence and best practices for effective prevention and management of obesity.

This degree program is geared toward postbaccalaureate students and professionals who wish to advance their understanding of the social,  
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cultural, environmental, health and psychological issues associated with obesity. The program emphasizes the complex etiology of obesity and includes courses that will enhance students' ability to work with individuals and populations at risk of obesity to develop effective strategies for prevention and management of the condition across the lifespan.

**Degree Requirements:**

30 credit hours including a thesis, or 30 credit hours including an applied project (OBS 593).

Required Core (3 credit hours)

OBS 501 Obesity Prevention and Management: An Introduction (3)

Electives (21 credit hours)

Culminating Experience (6 credit hours)

OBS 593 Applied Project (6) or

OBS 599 Thesis (6)

Additional Curriculum Information

Students choose one three-credit hour elective course from each of the following categories: concepts in behavior change, research methods and statistics.

Additional elective course selections will depend upon the student's chosen track. Students will select six credit hours from prescribed categories for each track and six credits from the following categories: cultural aspects of behavior change, general track, public health approaches for behavior change, and technological approaches for behavior change.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's (or equivalent) or master's degree in social or health science-related fields from a regionally accredited institution. The following entry-level competencies are needed for admission to the program: Students should have completed undergraduate-level courses in statistics and psychology and, ideally, have completed one or more courses in nutrition, physiology and chemistry.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit

- graduate admission application and application fee
- official transcripts
- GRE scores (verbal, quantitative and analytical)
- statement of educational and career goals
- writing sample
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students who have an undergraduate GPA of 3.25 or higher in the last 60 hours of their undergrad program may have the GRE requirement waived with approval of the academic unit.

No foreign language examinations are required for admittance to the program.

Writing sample: A two- to three-page application letter is required in which applicants explain why they want to pursue this degree and why they feel well-prepared to succeed in this graduate program.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/>  
HLTHN 401AA  
CHSGrad@asu.edu

## Science of Health Care Delivery, MS (NHSKCDMS)

**Online Degree Search Title:** Science of Health Care Delivery, MS

**Campus:** Downtown Phoenix, Online

### Program Description:

The MS program in the science of health care delivery focuses on the study and design of the systems, processes, leadership and management used to optimize health care delivery and health for all. This degree program is designed for individuals interested in a career in the health care industry. It provides students with the knowledge and competencies to contribute in a patient-centered, safe and cost-effective health care system.

The curriculum is centered on high-value care, leadership and critical thinking, population health, informatics, systems engineering, management, and health economics and policy. Students apply concepts through case studies and team-based projects to facilitate integration of knowledge and competencies. Participating students work in a cohort through the program and are able to complete the degree in nine months (one academic year).

### Degree Requirements:

30 credit hours including the required capstone course (HCD 550).

#### Required Core (24 credit hours)

BMI 601 Fundamentals of Health Informatics (3)

HCD 501 Biostatistics and Data Management (3)

HCD 502 Health Care Systems and Design (3)

HCD 511 Health Economics, Policy and Payment Models (3)

HCD 520 Population Health (3)

HCD 532 Health Care Management and Finance (3)

HCD 570 Process Engineering (3)

HCD 575 Leadership and Professionalism (3)

#### Electives (3 credit hours)

#### Research (2 credit hours)

HCD 592 Research: PART ONE (1)

HCD 592 Research: PART TWO (1)

#### Culminating Experience (1 credit hour)

HCD 550 Capstone (1)

#### Additional Curriculum Information

Elective coursework must be 500 level and must be from the HCD course prefix.

### Admission Requirements:

Applicants must fulfill requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as biology, chemistry, biochemistry, nursing, public health, pharmacy, biomedical informatics, social work, premed, prehealth, nutrition, health promotion or others.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of reference
- personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Three letters of reference from either academic or professional sources are required; reference letters from friends or relatives will not be accepted.



Letters demonstrating involvement in health care, community service or leadership are encouraged.

A personal statement must be submitted that explains how the applicant plans to contribute to the health care system after the degree is obtained; how the program will help the applicant achieve the applicant's goals; what the applicant's career aspirations are; and what interested the applicant in this degree program.

A phone or video conference interview with the admissions committee may be required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-science-health-care-delivery/>)

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/>  
HLTHN 401AA  
CHSGrad@asu.edu  
602-496-3300

## Science of Health Care Delivery (Certificate), Certificate (NHHCDGRCT)

**Online Degree Search Title:** Science of Health Care Delivery (Graduate Certificate)

**Campus:** Online

**Program Description:**

Change in the health care system has accelerated in the past five years and continues to do so as the health care system transforms itself to one based on value rather than on volume. The certificate program in the science of health care delivery addresses the current and future needs of the workforce in the health care industry, such as C-suite executives and administrators, health care providers (physicians, physician assistants, nurse practitioners and nurses), front line staff (respiratory therapists, occupational therapists, physical therapists and dietitians) and students in the health-related disciplines.

**Degree Requirements:**

Required Core (9 credit hours)

HCD 502 Health Care Systems and Design (3)

HCD 511 Health Economics, Policy and Payment Models (3)

HCD 520 Population Health (3)

Track (6 credit hours)

Additional Curriculum Information

Students select one of the following tracks: quality and process improvement, clinical informatics, and leadership.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The following disciplines are preferred: business or law (health care and business administration, economics, finance or law), engineering (biomedical engineering), general science (biology or physiology), health-related field (nursing, health policy or public health), or math or computer science (statistics or computer science).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- evidence of work experience
- proof of English language proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

More than two years of work experience in a health-related field is preferred.

Applicants must have basic competencies in college-level math, general biology (or physiology) and statistics. Course equivalencies include:

BIO 181 General Biology I

BIO 182 General Biology II

HCD 300 Biostatistics

MAT 117 College Algebra

or other coursework, with approval of the academic unit.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-science-health-care-delivery/>)

#### Contact Information:

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/>

HLTHN 401AA

CHSGrad@asu.edu

602-496-3300

## Speech and Hearing Science, PHD (LAHEARPHD)

**Online Degree Search Title:** Speech and Hearing Science, PhD

**Campus:** Tempe

#### Program Description:

The interdisciplinary PhD program in speech and hearing science prepares scholars for careers in basic and applied research in academic, industrial or health care environments.

Students pursue an individualized program with the unifying theme of human communication and disorders. Courses tailored to students' specific interests are taken from a variety of departments. In addition to a self-designed program of study, concentrations are offered in auditory and language neuroscience and in translational genetics of communication abilities. Students should visit the program website for further details about these options.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (2 credit hours)

SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)

SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Culminating Experience (12 credit hours)

SHS 799 Dissertation (12)

#### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, 28 credit hours from a previously awarded master's degree are allowed to be used for the degree.

Students complete content area coursework that may include aspects of neuroscience, methodology, speech and hearing science, and other specialty areas. A student completes their plan of study under the guidance of their faculty mentor and program committee. A programmatic research experience prepares the student for basic or applied research leading to the dissertation.

#### Admission Requirements:

Applicants must fulfill the requirements of the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics, or a related discipline from a

regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate study
- application cover letter and personal statement
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Professional letters of recommendation must be from three individuals who are familiar with the applicant's academic record and should contain contact information for the recommenders.

The personal statement must be 300 words or fewer and should include the experiences and qualities the student brings to the program, along with the student's goals for the future.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/>  
HLTHN 401AA  
CHSGrad@asu.edu  
602-496-3300

## Speech and Hearing Science (Auditory and Language Neuroscience), PHD (NHSALPHD)

**Online Degree Search Title:** Speech and Hearing Science (Auditory and Language Neuroscience), PhD

**Campus:** Tempe

**Program Description:**

The auditory and language neuroscience concentration within the PhD program in speech and hearing science trains scholars in basic and applied research in the fields of auditory and language neuroscience. Students develop a strong foundation to conduct impactful neuroscience research related to healthy auditory and language abilities as well as the neural bases of communication disorders.

This program's faculty are in a unique position to provide this integrated training experience because of the program's focus on innovative approaches to the field of speech, language and hearing science; faculty backgrounds include engineering, neuroscience and psychology in addition to world-class expertise in speech-language pathology and auditory neural prosthetics.

**Degree Requirements:**

Required Core (2 credit hours)

SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)

SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Concentration (12 credit hours)

Research (21 credit hours)

SHS 792 Research (12)

research methods and statistics (9)

Electives or Additional Research (28 credit hours)

Other Requirements (9 credit hours)

SHS 790 Reading and Conference Professional Seminars (9)

preliminary exam (0)

comprehensive exams (0)

Culminating Experience (12 credit hours)

SHS 799 Dissertation (12)

#### Additional Curriculum Information

The concentration courses focus on issues related to auditory and language neuroscience. These credit hours may be accomplished in regular graduate-level (500+) courses or in special topic seminars and independent studies. The student's program committee guides selection of these courses, which may be focused on a broad base of areas related to auditory and language neuroscience.

Students should see the academic unit for approved concentration courses, professional seminars for SHS 790, research and electives. Other research and electives courses may be used with approval of the academic unit.

The preliminary exam research project is to be in the field of auditory or language neuroscience, or in both. Each student will give a formal presentation of their prospectus to their program committee. The defense for the preliminary exam research project includes a written document of the research project and an oral defense.

The comprehensive exams entail a written examination and an oral examination. The written exam takes one of the following formats: students write responses to questions posed by each committee member or students complete a written paper for each member of the committee.

For the proposed concentration, at least two of the three questions (or, topics for the written papers) posed by the committee members must be focused in the area of auditory or language neuroscience, or in both. The comprehensive examination committee evaluates the written paper and the oral defense during a closed meeting with the student.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework is to be made up of electives and research.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate study
- application cover letter and personal statement
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Typically, applicants will have completed a master's or AuD degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline. Applicants with a bachelor's degree in speech and hearing science, psychology, engineering or another related field, strong research interests, and a strong academic record also are considered.

Students should see the program website for application deadlines.

Professional letters of recommendation must be from three individuals who are familiar with the applicant's academic record and should contain contact information for the recommenders.

#### **Contact Information:**

Health Solutions, College of  
College of Health Solutions

<https://chs.asu.edu/>  
HLTHN 401AA  
CHSGrad@asu.edu  
602-496-3300

## Speech and Hearing Science (Translational Genetics of Communication Abilities), PHD (NHSSTGPHD)

**Online Degree Search Title:** Speech and Hearing Science (Translational Genetics of Communication Abilities), PhD

**Campus:** Tempe

### Program Description:

The translational genetics of communication abilities concentration within the PhD program in speech and hearing science provides doctoral students with training in an innovative approach to the clinical sciences (pioneered at ASU) where the concepts of precision medicine are applied to all disciplines within communication sciences and disorders. Training in molecular genetics and bioinformatics equips students to investigate the interactions among genetic, brain-based and behavioral traits. Prior training in genetics is not required.

Knowledge of genotype-phenotype associations provides the foundation for the translational components of this program: early identification and intervention, individualized management and interprofessional approaches. Students have the option of focusing primarily on basic sciences aspects, on clinical translations, or on both.

This program leverages ASU's strong research and clinical expertise across clinical linguistics and its expertise in the biosciences and translational clinical sciences. Collaborating units at ASU include the Biodesign Institute, the School of Life Sciences, the College of Health Solutions with its many subspecialties such as bioinformatics, the Department of Psychology, and many others.

Upon completion of this doctoral concentration, graduates have the skills to discover and understand networks of genotype-phenotype associations and to contribute to more effective clinical management of communication disorders using preventative, targeted and interprofessional methods.

### Degree Requirements:

Required Core (2 credit hours)

SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)

SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Concentration (12 credit hours)

Research (21 credit hours)

SHS 792 Research (12)

research methods and statistics (9)

Electives or Additional Research (28 credit hours)

Other Requirements (9 credit hours)

SHS 790 Reading and Conference Professional Seminars (9)

preliminary exam (0)

comprehensive exams (0)

Culminating Experience (12 credit hours)

SHS 799 Dissertation (12)

Additional Curriculum Information

The concentration courses focus on issues related to translational genetics. These credit hours may be accomplished in regular graduate-level courses (500-level and higher) or in special topic seminars and independent studies. The student's program committee will guide selection of these courses, which may be focused on a broad base of areas related to translational genetics. All doctoral graduates with this concentration are required to have foundational knowledge in genetics.

Students should see the academic unit for approved concentration courses, professional seminars for SHS 790, research and electives. Other research and electives courses may be used with approval of the academic unit.

The preliminary exam research project is to be within the field of translational genetics of communication abilities. Each student gives a formal presentation of their prospectus to their program committee. The defense for the preliminary exam research project includes a written document of the research project and an oral defense.

Prior to commencing dissertation research, the student must pass a comprehensive written examination covering their field of study, which must be orally defended.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is to be made up of electives and research.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- application cover letter and personal statement
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must demonstrate a strong interest in translational genetics as indicated in the applicant's written statement of academic and professional goals

Typically, applicants have completed a master's or AuD degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline. Applicants with a bachelor's degree, strong research interests and a strong academic record also will be considered. Applicants who wish to study the genetics of a certain communication disorder but lack undergraduate or graduate level training in communication disorders are required to take relevant courses in the college.

Students should see the program website for application deadlines.

Professional letters of recommendation must be from three individuals who are familiar with the applicant's academic record and should contain contact information for the recommenders.

#### **Contact Information:**

Health Solutions, College of  
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<https://chs.asu.edu/>  
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CHSGrad@asu.edu  
602-496-3300

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

### **Applied Biological Sciences, MS (TSAPBIOSMS)**

**Online Degree Search Title:** Applied Biological Sciences, MS

**Campus:** Polytechnic

#### **Program Description:**

The MS program in applied biological sciences offers advanced instruction in the ecology and sustainable management of natural and urban ecosystems. Rigorous programs of study involving field and laboratory work are custom-designed to apply ecological or biological principles to

problems in species or ecosystem conservation. All programs culminate with the completion of an intensive, research-based thesis or applied project.

The program is supported by faculty members with backgrounds in:

- ecological restoration
- environmental microbiology
- environmental stress physiology
- desert horticulture
- plant-fungal ecology
- plant systematics
- riparian and stream ecology
- urban micrometeorology
- wildlife biology

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Biological Sciences (Applied Biological Sciences), BS
- Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS
- Applied Biological Sciences (Natural Resource Ecology), BS
- Applied Biological Sciences (Preveterinary Medicine), BS
- Applied Biological Sciences (Secondary Education in Biology), BS
- Applied Biological Sciences (Sustainable Horticulture), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (ABS 592 and ABS 593).

Required Core (3 credit hours)

ABS 550 Vegetation Dynamics (3) or

ABS 555 Wildlife Dynamics (3)

Electives or Research (21 credit hours)

Culminating Experience (6 credit hours)

ABS 592 Research (3) and ABS 593 Applied Project (3)

ABS 599 Thesis (6)

Additional Curriculum Information

The electives coursework is chosen to support the student's educational objectives.

Students choose a thesis or applied project option. A final oral examination covering the thesis and related subject matter is required.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores or Miller Analogies Test scores
- resume
- statement of intent
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants are expected to have completed 18 credit hours in biological sciences and closely related courses. Specific fields of study may have specific expectations regarding courses taken at the undergraduate level. Applicants not meeting these course requirements may be considered for admission with deficiencies.

The statement of intent (maximum 600 words) should explain the applicant's interest in environmental resources, academic background and educational objectives.

The letters of recommendation should be from references who are qualified to comment on the applicant's potential in the selected area of study.

Department faculty evaluate the applications and supporting materials and recommend to Graduate Admission Services whether the applicant should be granted admission (either regular or provisional) or denied admission. If admission is provisional, the Graduate College specifies in its letter of admission the provisions that need to be met to gain regular status. The school informs successful applicants of the procedures for enrollment.

#### Contact Information:

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts

<https://cisa.asu.edu/>

SANCA 233

[cisa@asu.edu](mailto:cisa@asu.edu)

480-727-1526

## Counseling, MC (EDCOUNMC)

**Online Degree Search Title:** Counseling, MC

**Campus:** Tempe

#### Program Description:

The Master of Counseling program is approved by the Arizona Board of Behavioral Health Examiners (<https://www.azbbhe.us/node/553>) (<https://www.azbbhe.us/node/553>). The mission of the MC program is to prepare students to become professional clinical mental health counselors, culturally competent to work with diverse clientele in a variety of mental health settings including community behavioral health agencies, colleges and universities, and organizational settings. Clinical mental health counselors seek to prevent or treat psychological problems and to promote the health of individuals, families, groups and organizations in a diverse society.

The program also instills in students the importance of research in advancing the counseling profession. One manifestation of the crucial link between practice and research is the three complementary functions of the program's state-of-the-art Counselor Training Center: services delivery, clinical training and research.

Faculty research foci include but are not limited to the following:

- acculturative stress
- career development
- children and adolescents
- counseling process and outcome
- couple and family relationships
- mental health disparities
- microaggressions
- play therapy
- retention in education
- socioeconomic status and financial stress

The faculty of the Master of Counseling program have endorsed the American Counseling Association's Code of Ethics and the following American Counseling Association competencies: ALGBTIC Competencies for Counseling LGBQIQA Individuals (2012), Competencies for Counseling the Multiracial Population (2015), Multicultural and Social Justice Counseling Competencies (2015), Competencies for Addressing Spiritual and Religious Issues in Counseling (2009) and Multicultural Career Counseling Competencies (2009).

#### Degree Requirements:

60 credit hours and a thesis, or 60 credit hours and a written comprehensive exam.

Required Core (36 credit hours)



CED 501 Introduction to Research and Evaluation in Counseling (3)  
CED 502 Counseling Research Data Analysis (3)  
CED 522 Theories of Counseling and Psychotherapy (3)  
CED 523 Psychological Tests (3)  
CED 527 Prevention and Consultation (3)  
CED 529 Lifespan Human Development (3)  
CED 534 Occupations and Careers (3)  
CED 545 Analysis of the Individual (3)  
CED 567 Group Dynamics and Counseling (3)  
CED 577 Counseling Prepracticum (3)  
CED 645 Professional Issues and Ethics (3)  
CED 671 Multicultural Counseling (3)

Electives or Research (6-12 credit hours)

Other Requirements (12 credit hours)

CED 680 Practicum: Seminar (3)  
CED 680 Practicum: Clinic (3)  
CED 684 Internship (6)

Culminating Experience (0-6 credit hours)

CED 599 Thesis (6) or  
written comprehensive exam (0)

Additional Curriculum Information

Students choose either a thesis or written comprehensive exam pathway. The thesis option is for students who are focusing their program on research, and they take six credit hours of elective or research coursework plus six credit hours of thesis. The written comprehensive exam is for students in the practitioner pathway, and they take 12 credit hours of elective coursework.

The clinical portion of the program is comprised of CED 680 Practicum Seminar and Clinic and CED 684 Internship. These are required for all students. CED 580 Practicum Clinic and CED 584 Internship may be taken by students needing to log required clinical hours after CED 680 and CED 684 are completed. CED 580 and CED 584 are not required unless additional clinical hours are needed.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two- to three-page personal statement
- at least two and a maximum of three recommendation forms
- verbal and quantitative GRE scores
- proof of English proficiency

Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The GRE test must be retaken if scores are more than five years old.

Nonacademic/Professional/Life Experiences:

Applicants are required to submit a two- to three-page personal statement that will indicate the applicant's qualifications and reasons for their interest in the program (e.g., professional experiences and personal attributes). Specifically, applicants are asked to provide a reflection on how their education and training as well as their professional experiences inform why they want to pursue the degree and how this program will help them meet their future goals. Applicants are also expected to discuss and elaborate on their ability to work and be sensitive to the needs of a multicultural and diverse society, including members of diverse racial or ethnic groups and individuals of a sexual minority.

Recommendations:

At least two but no more than three recommendation forms are to be submitted. These should be completed by persons able to evaluate the applicant's academic potential, professional experience and personal attributes.

Students should see the program website for application deadlines.

For more information, students should visit the school's website.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/graduate/ccp>  
EDB 446  
ccp@asu.edu  
480-965-8733

## Counseling Psychology, PHD (EDCPSYPHD)

**Online Degree Search Title:** Counseling Psychology, PhD

**Campus:** Tempe

**Program Description:**

This American Psychological Association-accredited PhD program in counseling psychology adheres closely to the scientist-practitioner training model in preparing graduates for employment in academic and service delivery settings. Although faculty interests are diverse, there is a common emphasis on empirical data as the basis for culturally responsive professional practice. The faculty have endorsed the following from the APA: ethical principles of psychologists and code of conduct; guidelines on multicultural education, training, research, practice and organizational change for psychologists; and guidelines for psychological practice with lesbian, gay and bisexual clients.

One manifestation of the program's commitment to the scientist-practitioner model is the three complementary functions of the program's state-of-the-art counselor training center: service delivery, clinical training and research.

Faculty research foci include couple and family relationships, intersections of ethnic and gender identities, counseling process and outcome, mental health disparities, socioeconomic status and financial stress, career development, retention in education, children and adolescents, and play therapy.

**Degree Requirements:**

113 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral curriculum typically requires three to four years of full-time graduate study plus a yearlong internship in an American Psychological Association-approved setting. Each of these years involves coursework pertaining to theory, research and practice in counseling psychology. Students are expected to maintain full-time status. Full-time status involves being registered for at least nine credit hours per semester in the coursework years. This requirement applies only to the academic year and not summer sessions. At a minimum, students are required to complete two years of coursework in residence at ASU.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (which can be no older than five years)
- personal statement
- a completed biographical information form
- writing sample
- three letters of recommendation
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be 600 words or less, and it should describe the applicant's history, academic and professional goals and reasons for selecting the counseling psychology program at ASU.

Applicants must submit a seven-page sample of the applicant's expository writing (e.g., taken from a paper prepared for a course or a report on a project the applicant has completed in this field).

The preference is that two of the recommendation letters be from persons familiar with the applicant's academic work.

Applicants should see the program website for application deadlines.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts

<https://cisa.asu.edu>

EDB 446

[ccp@asu.edu](mailto:ccp@asu.edu)

480-965-8733

## **Integrative Social Science, MS (LSISSMS)**

**Online Degree Search Title:** Integrative Social Science, MS

**Campus:** Polytechnic

**Program Description:**

The MS in integrative social science is an advanced degree program designed to cross-educate students in the social sciences in order to meet the complex issues that confront human society in the 21st century.

The emphasis of the program lies in bridging traditional disciplinary boundaries to immerse students in the myriad theories and skills available across disciplines, which would elude them in traditional disciplinary social science programs. Thus, graduates of the program are prepared with theory and research skill sets that allow them to draw from the best of the multiple disciplines of the social sciences as they confront a technically sophisticated 21st-century world.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Integrative Social Science, BS

Political Science, BS

Science, Technology and Society, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including a thesis, or 30 credit hours including an applied project (ISS 593).

Required Core (12 credit hours)

ISS 501 Advanced Integrated Social Research Methods (3)

ISS 502 Advanced Seminar in Integrated Social Science (3)

ISS 504 Advanced Integrated Theories of Social Science (3)

ISS 505 Multivariate Methodologies of Social Science (3)

Electives or Research (12 credit hours)

Other Requirement (3 credit hours)

ISS 584 Internship (3)

Culminating Experience (3-6 credit hours)

ISS 593 Applied Project (3) or

ISS 599 Thesis (6)

Additional Curriculum Information

Students choose either the thesis or applied project option. The internship is only required for students in the applied project option and is a

structured practical experience that follows a contract or plan that is supervised by faculty and practitioners.

For the elective and research coursework, students choose from a list of preapproved courses for a total of 12 credit hours. Students should contact the academic unit for a list of possible courses. Other courses may be used with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any social science or interdisciplinary field such as political science, sociology, philosophy, economics, psychology, public policy, administration or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

[cisa@asu.edu](mailto:cisa@asu.edu)

480-727-1526

## Narrative Studies, MA (LSNRSMA)

**Online Degree Search Title:** Narrative Studies, MA

**Campus:** Polytechnic

**Program Description:**

The MA in narrative studies is a comprehensive program that explores narrative and storytelling across a range of cultures and historical periods.

With an emphasis on teaching and research, the program includes coursework that encourages students to pursue transdisciplinary inquiry. The degree program primes graduates for critical and eloquent engagement with the world beyond the university.

Equally suited to prepare candidates for further academic studies or to advance the careers of area educators in the language arts, this program also prepares graduates to begin careers in one of the many professions that value creativity, critical thinking and highly skilled communication, including teaching, writing, online publishing and editing.

**Degree Requirements:**

30 credit hours including a capstone course (ENG 597).

Required Core (9 credit hours)

ENG 503 History of Narrative (3)

ENG 505 Narrative Research Methods (3)

ENG 509 Studies in Narrative Writing (3)

Electives or Research (18 credit hours)

Culminating Experience (3 credit hours)

ENG 597 Graduate Capstone Seminar (3)

Additional Curriculum Information

Students choose six courses from a restricted list for a total of 18 credit hours. Students should see the academic unit for the approved course list.

Other courses (ENG,COM, FMS, HST, or appropriate field) may be utilized for up to six credit hours with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as English or any humanities discipline.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- written letter of intent that includes a detailed statement of purpose
- portfolio of at least three documents
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The portfolio must include at least three documents that demonstrate the applicant's ability to write in a variety of genres. Portfolio documents can include both academic and professional writing for a range of audiences and purposes. At least one of the documents must be a sample of academic writing. One of the three documents can be a sample of creative writing. The portfolio should be 15 to 30 total pages in length. The writing samples in the portfolio are evaluated using a rubric that considers several criteria, including intellectual focus, strength of argument and documentation, awareness of audience, organization, clarity, mechanical soundness and overall effectiveness.

The letters of recommendation should be either academic or professional and speak to the background and capabilities of the applicant.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

[cisa@asu.edu](mailto:cisa@asu.edu)

480-727-1526

## Technical Communication, MS (LSTCCMMS)

**Online Degree Search Title:** Technical Communication, MS

**Campus:** Polytechnic, Online

**Program Description:**

The MS degree program in technical communication teaches students how to design, produce and manage print and digital texts using traditional and developing technologies. The curriculum provides students with a comprehensive understanding of the professional, cultural and ethical issues that shape the field; it balances theory and practice to ensure students develop the analytical abilities, technology expertise and hands-on skills necessary for success as a technical communicator.

Students who complete the program will be accomplished writers, editors, designers and researchers who are able to respond effectively to a range of audiences, issues and communication situations. The program prepares students for technical communication positions in the private, public and nonprofit sectors and offers professionals the opportunity to further advance their careers.

**Degree Requirements:**

36 credit hours including a thesis, or 36 credit hours including the required applied project course (TWC 593), or 36 credit hours including the required capstone course (TWC 596).

Required Core (6 credit hours)

TWC 504 Applied Rhetoric and Technical Communication (3)

TWC 505 Research in Technical and Applied Communication (3)

Restricted Electives (21 or 27 credit hours)

Other Requirement (0 or 3 credit hours)  
TWC 506 Research Design and Development (3)

Culminating Experience (3 or 6 credit hours)  
TWC 593 Applied Project (6) or  
TWC 596 Technical Communication Capstone (3) or  
TWC 599 Thesis (6)

#### Additional Curriculum Information

Students who do not have previous technical communication coursework or relevant industry experience must take TWC 501 Fundamentals of Technical Communication (3) as a restricted elective. For a full list of the approved elective courses, students should inquire at the academic unit offices.

Students complete an applied project, capstone course or thesis for the culminating experience. Students who choose the capstone will complete an additional three credit hours of elective coursework for a total of 27 elective credit hours.

TWC 506 is a requirement for students completing an applied project or thesis only.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- portfolio
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Since this degree requires a high degree of proficiency in English, an applicant whose native language is not English will be expected to have one the following TOEFL scores: 600 traditional paper-based, 100 internet-based, or 250 computer-based.

All applicants must submit a written letter of application that includes a detailed statement of purpose as well as a portfolio of at least three documents that demonstrate the applicant's ability to write in a variety of genres. Portfolio documents can include both academic and professional writing for a range of audiences and purposes and need not be in the area of technical communication. The portfolio should be 15 to 30 pages in length. The writing samples in the portfolio will be evaluated using a rubric that considers several criteria, including a demonstration of the ability to focus on a specific purpose and to meet audience needs and show organization, clarity, mechanical soundness and overall effectiveness.

All applicants must submit three letters of reference, either academic or professional, that speak to the background and capabilities of the applicant.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-technical-communication/>)

#### Contact Information:

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/tech-comm>  
SANCA 233  
cisa@asu.edu  
480-727-1526

**Online Degree Search Title:** Technical Communication (Graduate Certificate)

**Campus:** Polytechnic, Online

**Program Description:**

Through the technical communication program, students learn how to produce and communicate technical information using traditional and digital technologies.

**Degree Requirements:**

18 credit hours.

Core Requirement (9 credit hours)

TWC 501 Fundamentals of Technical Communication (3)

Choose two of the following courses:

TWC 511 Principles of Visual Communication (3)

TWC 521 Principles of Web Authoring (3)

TWC 531 Principles of Technical Editing (3)

Electives (9 credit hours)

Additional Curriculum Information

Students choose any 500-level TWC courses as their electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Disclosure information for this U.S. Department of Education Gainful Employment program is available at

<https://catalog.asu.edu/files/disclosures/LSTECGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LSTECGRCT/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/technical-communication-graduate-certificate/>)

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu/tech-comm/grad>

SANCA 233

[cisa@asu.edu](mailto:cisa@asu.edu)

480-727-1526

## User Experience, MS (ESUSEXMS)

**Online Degree Search Title:** User Experience, MS

**Campus:** Polytechnic

**Program Description:**

The MS program in user experience combines topics in web, human factors, visual displays and technical communication to make products, systems and services useful, usable and desirable. Students learn how to research user needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered methods. User experience skills are increasingly valued by industry, yet are not typically covered in-depth in traditional engineering or technical communication programs. Students with a master's degree in user experience will enhance their employment potential.

**Degree Requirements:**

30 credit hours including capstone course GIT 560 or HSE 560 or TWC 560.

Required Core (21 credit hours)

GIT 540 Cross-Media Design Solutions (3)

GIT 542 Usability and User Experience (3)

HSE 521 Methods and Tools in Human Systems Engineering (3)

HSE 542 Foundations of Human Systems Engineering (3)

TWC 501 Fundamentals of Technical Communication (3)

TWC 514 Visualizing Data and Information (3)

TWC 544 User Experience (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

GIT 560 Capstone in User Experience (3), or

HSE 560 Capstone in User Experience (3), or

TWC 560 Capstone in User Experience (3)

Additional Curriculum Information

Students should see the academic units for a complete list of approved electives and research courses. Other courses may be used with approval of the academic units.

Students choose one capstone course as the culminating experience for the program.

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College, the Ira A. Fulton Schools of Engineering and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in related fields such as psychology, graphic information technology, graphic design, cognitive science, design or technical communication, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- writing sample
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.



Because this degree requires strong communication skills, the program expects applicants whose native language is not English to have the following TOEFL scores: traditional paper-based score of 600 and internet-based score of 100.

**Contact Information:**

Integrative Sciences and Arts, College of  
Human Systems Engineering  
<https://poly.engineering.asu.edu/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Interdisciplinary Arts & Sciences, New College of

### Biological Data Science, MS (ASBDSMS)

**Online Degree Search Title:** Biological Data Science, MS

**Campus:** West

**Program Description:**

The MS program in biological data science provides students with real-world training at the interface of the natural and mathematical sciences. Students learn to manipulate "Big Data", including the generation and analysis of data using statistical and computational toolsets. Students will use their analytical skills in ecological, environmental, toxicological and other biological applications. The program incorporates multiple levels of experiential learning to ensure students gain critical-thinking skills on top of core competencies. Students will be ready to enter one of the fastest-growing job markets, work with consulting firms and government agencies as well as non-governmental organizations, or go on to seek advanced professional or graduate degrees.

**Degree Requirements:**

32 credit hours including the required applied project course (ACO 593, BIO 593 or MAT 593), or

32 credit hours and a thesis

Required Core (12 credit hours)

ACO 501 Database Systems and Problem Solving in Python (3)

BIO 614 Biometry (4)

LSC 519 Applied Learning Lab (1)

LSC 547 Wet Laboratory Experience (1)

STP 560 Experimental Statistics in Biology (3)

Other Requirements (9 credit hours)

LSC 555 Integrative Biology I (3)

LSC 556 Integrative Biology II (3)

LSC 562 Applied Mathematics Techniques in Biology (3)

Electives or Research (5 credit hours)

Culminating Experience (6 credit hours)

ACO 593 Applied Project (6)

BIO 593 Applied Project (6)

MAT 593 Applied Project (6)

ACO 599 Thesis (6)

BIO 599 Thesis (6)

MAT 599 Thesis (6)

Additional Curriculum Information

Other requirement, elective and research coursework may be substituted with approval of the academic unit. Students should see the academic unit for the approved electives and research course list.

Students choose one culminating experience option based on their emphasis area in biological data science.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as biology, mathematics, statistics or computing, as well as unrelated fields, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

It is preferred that letters of recommendation be from faculty members who know the applicant's work well; if these are not available, letters of recommendation from individuals in supervisory or professional roles will be accepted.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

Depending on student's educational background, deficiency courses may be required.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/advising/graduate/>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

**Communication Studies, MA (ASCOMSTMA)**

**Online Degree Search Title:** Communication Studies, MA

**Campus:** West

**Program Description:**

The MA in communication studies is a cutting-edge degree program designed for students who wish to pursue a wide range of communication professions.

The program provides exposure to a variety of research methods, communication theories and practical applications, with a special emphasis on advocacy. Students use multiple perspectives to explore a variety of topics and issues in communication. These include how individuals and collectives participate effectively in personal relationships, organizational settings and public dialogues across cultural contexts and via social technologies. Students also attend to the impact and effects of media, mediated representations, and new technologies, while learning to use communication strategically to advocate for others.

Although advocacy is a defining theme in the curriculum, students can tailor the program to their personal goals, focusing on topics such as interpersonal, organizational, sport, environmental, global or technology-mediated communication.

Graduates are prepared to pursue doctoral work or careers in a variety of communication-driven fields such as public affairs, public relations, employee development, strategic communication, community relations and grassroots movements.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- American Studies, BA
- Applied Science, BAS
- Biology, BA
- Communication, BA
- Communication, BS
- Environmental Science, BA
- Ethnicity, Race and First Nations Studies, BA
- History, BA
- Interdisciplinary Arts and Performance, BA
- Interdisciplinary Arts and Sciences, BA
- Latin American Studies, BA
- Philosophy, Religion and Society, BA
- Political Science, BS
- Political Science, BA
- Psychology, BS
- Psychology, BA
- Social and Behavioral Sciences, BA
- Social and Behavioral Sciences, BS
- Sociology, BS
- Sociology, BA
- Women and Gender Studies, BS
- Women and Gender Studies, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

36 credit hours and a written comprehensive exam, or 36 credit hours including an applied project (CMN 593) and a written comprehensive exam, or 36 credit hours, a written comprehensive exam and a thesis.

Required Core (9 credit hours)

CMN 502 Theory and Practice in Communication and Persuasion (3) or CMN 522 Argumentation and Advocacy (3)

CMN 505 Methods in Applied Communication Research (3)

CMN 506 Humanistic Inquiry and Field Research in Communication (3)

Restricted Electives (6 credit hours)

Electives (up to 15 credit hours)

Culminating Experience Options (0-6 credit hours)

CMN 593 Applied Project, with written comprehensive exam (3 credit hours)

CMN 599 Thesis, with written comprehensive exam (6 credit hours)

written comprehensive examination (0 credit hours)

#### Additional Curriculum Information

Students should see the academic unit for an approved list of restricted electives.

Electives are selected in consultation with the student's program advisor and may include courses with either the CMN (communication) or STC (social technology) prefixes. When appropriate, students may take up to six credit hours outside the program.

The thesis or applied project must demonstrate intellectual ability, academic ability and professional growth. The thesis is supervised and approved by the student's advisor and committee. An oral defense is required for the thesis. The applied project is supervised by the student's advisor. The achievements or results of the applied project should be made available to the public in the form of a presentation, poster, report or other form negotiated with the faculty advisor.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if faculty members are not available, then the applicant may submit letters of recommendation from individuals in supervisory or professional roles.

#### Contact Information:

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/communication-studies-ma-degree>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

## English, MA (ASENGLMA)

Online Degree Search Title: English, MA

**Campus:** West

ASU is not currently accepting applications for this program.

**Program Description:**

The MA degree in English offered by the New College of Interdisciplinary Arts and Sciences is a comprehensive program that delves into the many facets of English: its literatures; its linguistic, social and cultural histories; and its capacities for persuasion, exposition and elucidation.

The program allows students to explore specific subject areas while working across a range of subdisciplines within English such as literary studies, rhetorical studies, composition and linguistics.

With an emphasis on teaching and research, the program includes electives to encourage students to pursue interdisciplinary inquiry and the culminating experience primes graduates for critical and eloquent engagement with the world beyond the university.

Equally suited to prepare candidates for doctoral study or to advance the careers of area educators in the language arts, the degree also prepares graduates to begin careers in one of the many professions that value creativity, critical thinking and highly skilled communication.

**Degree Requirements:**

30 credit hours including the required capstone course (ENG 597).

Required Core Courses (6 credit hours)

ENG 502 Contemporary Critical Theories (3) or MAS 505 Theories of Change, Culture and Mind (3)

ENG 582 Pedagogy (3)

Elective or Research Courses (12 credit hours)

ENG 500 Research Methods (3)

ENG or LIN courses (9)

Open Elective or Research Courses (9 credit hours)

Culminating Experience (3 credit hours)

ENG 597 Graduate Capstone Seminar (3)

Additional Curriculum Information

For electives or research, students should see the academic unit for the approved course list from ENG and LIN courses through New College. ENG 500 is a required research course for all students and must be included in the plan of study.

For the open elective or research courses, nine credit hours can be selected from ENG or non-ENG coursework offered by various academic units. The selection of coursework will be in consultation with the student's committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program; or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- GRE scores (if applicable)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well (if not available, then from individuals in supervisory or professional roles).

If the applicant does not meet the minimum GPA requirements, the application may be considered if accompanied by an official GRE score.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/english-ma>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

## Forensic Psychology, MS (ASFPSYMS)

**Online Degree Search Title:** Forensic Psychology, MS

**Campus:** Online

**Program Description:**

The MS program in forensic psychology provides working professionals with an understanding of mental health issues and human behavior with respect to crime and the criminal justice and legal systems.

The curriculum involves specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders, and legal decision-making. Through these courses, students learn about the various roles for psychologists in the legal system and help them discover which roles they might like to pursue through careers in mental health, criminal justice or through additional graduate training. Graduates will not be license-eligible for clinical practice but will be well prepared to enter advanced degree and continuing education programs in counseling and related fields.

**Degree Requirements:**

33 credit hours including the required capstone course PSY 549.

Required Core (12 credit hours)

PSY 545 Advanced Legal Psychology (3)

PSY 546 Advanced Forensic Psychology (3)

PSY 547 Advanced Correctional Psychology (3)

PSY 573 Psychopathology (3)

Electives (6 credit hours)

Statistics and Methods (6 credit hours)

PSY 500 Research Methods (3)

PSY 515 Quantitative Analysis I (3)

Criminal Justice System Courses (6 credit hours)

CRJ 501 Seminar in Criminal Justice (3)

CRJ 513 Seminar in Courts and Sentencing (3)

Culminating Experience (3 credit hours)

PSY 549 Capstone in Forensic Psychology (3)

Additional Curriculum Information

Other courses for the statistics and methods and criminal justice system coursework may be used with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology, criminal justice, social science, or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must provide evidence of successful completion of an undergraduate or graduate social science statistics and research methods course.

GRE scores are recommended, but not required for all applicants. Applicants with below a 3.30 GPA in the last 60 credit hours of the bachelor's degree are strongly encouraged to provide GRE scores.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-forensic-psychology/>)

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/forensic-psychology-ms>  
FAB N100  
NCGradOnline@asu.edu  
602-543-3000

## Forensic Science, PSM (ASFRSCIPSM)

**Online Degree Search Title:** Forensic Science, PSM

**Campus:** Online

**Program Description:**

The PSM program in forensic science readies students for career advancement by providing them with greater educational depth and breadth in the forensic sciences, and through the development of new competencies related to laboratory supervision. This includes an understanding of how to work with regulatory bodies that provide the framework for oversight in forensic laboratories, consistent with the guiding principles of the National Professional Science Masters Association. Students develop deeper scientific inquiry skills in biology, chemistry, genetics and related topics, as well as critical laboratory leadership skillsets. Successful graduates are armed with the tools and experiences required for administrative and other advancement opportunities both within and beyond the forensic science laboratory, in both governmental and private sectors.

**Degree Requirements:**

Required Core (9 credit hours)

FOR 525 Forensic Science and Governance (3)

FOR 550 Ethics in Forensic Science (3)

FOR 565 Laboratory Leadership, Policy, and Practice (3)

Other Requirement (15 credit hours)

FOR 501 Forensic Toxicology (3) or FOR 532 Principles of Pharmacology (3)

FOR 502 Forensic Botany (3) or FOR 503 Forensic Entomology (3)

FOR 540 Advanced Topics in Human Forensic DNA Typing (3)

FOR 560 Quantitative Methods in Forensic Science Research (3), BMI 515 Applied Biostatistics in Medicine and Informatics (3) or HCD 501 Biostatistics and Data Management (3)

PSY 546 Advanced Forensic Psychology (3) or CRJ 537 Criminal Procedure of Investigations for Social and Forensic Scientists (3)

Culminating Experience (6 credit hours)

FOR 593 Applied Project (6)

Additional Curriculum Information

Other requirement courses may be substituted with approval of the academic unit.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in an appropriate physical, biological, computer science or a related field from a regionally-accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant. Specifically, the applicant should address their qualifications for pursuing a professional science master's degree.

It is preferred that the letters of recommendation be from individuals in supervisory or professional roles.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/forensic-science-psm/>)

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of



School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/mathematical-natural-sciences-degree-programs>  
FAB N100  
NCGradOnline@asu.edu  
602-543-3000

## Interdisciplinary Studies, MA (ASINTERMA)

**Online Degree Search Title:** Interdisciplinary Studies, MA

**Campus:** West

### Program Description:

The MA degree in interdisciplinary studies offered by the New College of Interdisciplinary Arts and Sciences is an innovative program that allows students to combine the study of two or more disciplines.

Founded on the conviction that solving problems in the 21st century often requires an interdisciplinary approach, this flexible program provides exposure to a variety of research methods, historical perspectives and modes of inquiry.

The program offers access to faculty members who are active practitioners of interdisciplinary inquiry. Working with the faculty, students may define their own area of emphasis or adopt an existing area within the humanities and social sciences.

The skills and knowledge that students acquire can be directed toward doctoral study or professional goals in any enterprise that engages in research or education, ranging from advertising and marketing, nonprofit leadership, and media production to museum curatorship, community college teaching, and leading-edge entrepreneurship.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- American Studies, BA
- Applied Science, BAS
- Communication, BA
- Communication, BS
- English, BA
- Ethnicity, Race and First Nations Studies, BA
- History, BA
- Interdisciplinary Arts and Performance, BA
- Interdisciplinary Arts and Sciences, BA
- Philosophy, Religion and Society, BA
- Political Science, BA
- Political Science, BS
- Psychology, BA
- Psychology, BS
- Social and Behavioral Sciences, BS
- Social and Behavioral Sciences, BA
- Sociology, BS
- Sociology, BA
- Women and Gender Studies, BS
- Women and Gender Studies, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

30 credit hours including the required capstone course (MAS 585).

Required Core (9 credit hours)

MAS 501 Methods for Interdisciplinary Inquiry (3)

MAS 502 Perspectives in Interdisciplinary Studies (3)

MAS 505 Theories of Change, Culture, and Mind (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

MAS 585 Capstone Course (3)

#### Additional Curriculum Information

The core courses are designed as a sequence and are meant to guide students through the program, from learning about interdisciplinarity to practicing interdisciplinary research. Therefore, students are required to take each of the core courses the first time that they are available while the student is enrolled in the program.

For electives, students work with a faculty mentor to select 18 credit hours of graduate-level coursework that helps prepare them for their capstone or reflects particular areas of specialty or interest.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- GRE scores (if applicable)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well, but if faculty are not available, then from individuals in supervisory or professional roles.

If the applicant does not meet the minimum GPA requirements, the application may be considered if accompanied by an official GRE score.

#### Contact Information:

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/interdisciplinary-studies-ma>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

## Law and Psychology, PHD (ASLPSYPHD)

**Online Degree Search Title:** Law and Psychology, PhD

**Campus:** Downtown Phoenix, West

#### Program Description:

The PhD program in law and psychology is designed to train a new generation of scholars in the field by taking a broad interdisciplinary approach that combines rigorous training in the law and psychology field with training in advanced research methodology and statistics, criminological theory, and contextual training in other subfields of psychology. The goal of the program is for students to use this knowledge to tackle the many important but understudied areas where the legal system is in desperate need of empirical psychological research.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (18 credit hours)

PSY 515 Quantitative Analysis I (3)

PSY 516 Quantitative Analysis II (3)

PSY 517 Quantitative Analysis III (3)

PSY 545 Advanced Legal Psychology (3)

PSY 546 Advanced Forensic Psychology (3)

PSY 550 Advanced Social Psychology (3)

Electives (39 credit hours)

Required Research (15 credit hours)

PSY 500 Research Methods (3)

PSY 792 Research (12)

Culminating Experience (12 credit hours)

PSY 799 Dissertation (12)

Additional Curriculum Information

Students are required to take 15 credit hours of research coursework and 39 credit hours of elective coursework.

When approved by the student's supervisory committee and Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology, criminal justice, social science, or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://lawpsych.asu.edu/>  
FAB N100

## Psychology, MS (ASPGSMS)

**Online Degree Search Title:** Psychology, MS

**Campus:** West, Online

### **Program Description:**

The MS program in psychology offered by the New College of Interdisciplinary Arts and Sciences has two main options. One is an intensive, research-oriented program culminating in a thesis or applied project. Students receive training in advanced research methodology and statistical analysis, grant proposal writing, laboratory instrumentation, data collection and manuscript development. Students gain first-hand exposure to designing and conducting research, analyzing data and developing presentations and manuscripts. Students are encouraged to present research reports at professional meetings and conferences and to publish as co-authors in faculty-guided research. This option is ideal for students who plan to pursue doctoral work or careers that involve psychological research methods such as marketing research, education research analysis, public policy analysis, research project management or program evaluation.

The program option offered online is designed to give students and working professionals an understanding of psychological theory and empirical research findings as they relate to human behavior, cognition, emotion, and attitudes. The coursework is designed to help students learn about the various roles of psychologists in society today and discover which they might like to pursue through careers in education, social service, for-profit and nonprofit organizations, management, or through additional graduate training.

Elective courses in all options are offered in several areas, including abnormal psychology, affective science, behavior analysis, cognitive psychology, developmental psychology, health psychology, legal psychology, psychophysiology and social psychology.

### **Degree Requirements:**

36 credit hours and a thesis, or 36 credit hours including the required applied project course (PSY 593), or 36 credit hours including the required capstone course (PSY 553).

Required Core (6 credit hours)

PSY 502 Professional Issues in Psychology (3)

PSY 515 Quantitative Analysis I (3)

### IN-PERSON DELIVERY OPTIONS:

Research (9 credit hours)

PSY 500 Research Methods (3)

PSY 592 Research (6)

### THESIS OPTION:

Other Requirement (6 credit hours)

PSY 516 Quantitative Analysis II (3)

PSY 517 Quantitative Analysis III (3)

Electives (9 credit hours)

Culminating Experience (6 credit hours)

PSY 599 Thesis (6)

### APPLIED PROJECT OPTION:

Other Requirement (3 credit hours)

PSY 516 Quantitative Analysis II (3)

Electives (12 credit hours)

Culminating Experience (6 credit hours)

PSY 593 Applied Project (6)

**ONLINE DELIVERY OPTION:**

Research (3 credit hours)

PSY 500 Research Methods (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)

PSY 553 Capstone in General Psychology (3)

**Additional Curriculum Information**

Students choose one of three program options culminating in a thesis, applied project or capstone course. The capstone course option is only for students in the online program. Thesis and applied project options are for in-person program students.

Students completing a thesis or applied project must complete PSY 516 Quantitative Analysis II. In addition, thesis students will take PSY 517 Quantitative Analysis III and only nine credit hours of electives.

Students completing the capstone course (PSY 553) must take 24 credit hours of elective coursework and will not complete PSY 516 Quantitative Analysis II nor any PSY 592 coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in applicable master's degree program. Priority is given to applicants who have achieved a 3.25 GPA or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- GRE scores (combined minimum verbal and quantitative score of 300)
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

At the time of application, students must identify the culminating experience that they wish to pursue. Students applying to the capstone course option will only be considered for the online program. Students applying to the thesis or applied project option will only be considered for the in-person program.

Applicants must provide evidence of successful completion of an undergraduate (or graduate) social science statistics and research methods course.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if these are not available, then recommendations should be from individuals in supervisory or professional roles. Three letters of recommendation are required for applications to the ground option and two letters of recommendation are required for applicants to the online option.

Applicants for the applied project or thesis program option (offered face to face) are required to submit a GRE score. Priority is given to applicants who have achieved a 305 or higher on the GRE.

For students applying to the capstone course option offered in the online delivery of the program, submission of GRE scores are recommended but not required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-psychology/>)

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/psychology-ms>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

## Social Justice and Human Rights, MA (ASJHRMA)

**Online Degree Search Title:** Social Justice and Human Rights, MA

**Campus:** West

**Program Description:**

The MA program in social justice and human rights addresses urgent social issues related to human security, labor, migration, children, family, education and the environment.

The coursework in this theoretically and methodologically rigorous program examines social issues in contexts defined by multiple and intersecting forms of social identity and disadvantage, including gender, race, ethnicity, class, sexuality and nationality.

The program requires an internship to be completed domestically or internationally, in which students typically work alongside other advocates for social justice to help refugees, migrants, workers and survivors of violence or human trafficking.

Students may select from three degree tracks: research, advocacy, or critical trauma studies and social work. The research track prepares students for positions as researchers, analysts and advocates in governmental, intergovernmental and nongovernmental agencies. The advocacy track prepares students to be leaders in nonprofit, social movement, governmental and intergovernmental organizations. The critical trauma studies and social work track prepares students to assist vulnerable people, especially survivors of extreme violence, poverty, war, sex trafficking, human trafficking, gender-based violence and various forms of marginalization.

Graduates are also prepared to enter doctoral programs.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- American Studies, BA
- Applied Science, BAS
- Biology, BA
- Communication, BA
- Communication, BS
- English, BA
- Environmental Science, BA

Ethnicity, Race and First Nations Studies, BA  
 History, BA  
 Interdisciplinary Arts and Performance, BA  
 Interdisciplinary Arts and Sciences, BA  
 Latin American Studies, BA  
 Philosophy, Religion and Society, BA  
 Political Science, BA  
 Political Science, BS  
 Psychology, BS  
 Psychology, BA  
 Social and Behavioral Sciences, BS  
 Social and Behavioral Sciences, BA  
 Social and Cultural Analysis (American Studies), BA  
 Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA  
 Social and Cultural Analysis (Latin American Studies), BA  
 Social and Cultural Analysis (Peace Studies), BA  
 Social and Cultural Analysis (Queer and Sexuality Studies), BA  
 Social and Cultural Analysis (Women and Gender Studies), BA  
 Sociology, BA  
 Sociology, BS  
 Women and Gender Studies, BA  
 Women and Gender Studies, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a thesis, or 33 credit hours including the required applied project course (JHR 593).

Required Core (15 credit hours)

JHR 501 Proseminar in Social Justice and Human Rights (3)

JHR 506 Grant Writing and Development for Social Justice and Human Rights (3)

JHR 510 Problem-Based Seminar in Social Justice and Human Rights (3)

JHR 525 Action Research in Social Justice and Human Rights (3)

JHR 584 Internship (3)

Track (6 credit hours)

Electives (3-6 credit hours)

Research (3 credit hours)

JHR 500 Research (3)

Culminating Experience (3-6 credit hours)

JHR 593 Applied Project (3) or

JHR 599 Thesis (6)

Additional Curriculum Information

This program has three tracks: social justice and human rights research, social justice and human rights advocacy, and critical trauma studies and social work. Students select one of the three tracks and select courses for the track and electives requirements in consultation with faculty.

Students completing an applied project for their culminating experience select an additional electives course for three credit hours to meet the program's 33 credit hour requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate application application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae
- proof of English proficiency

**Additional Application Information** An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that letters of recommendation be from faculty members who know the applicant's work well; if these are not available, letters of recommendation from individuals in supervisory or professional roles will be accepted. If letters of recommendation from two faculty members are not available, then it is strongly preferred that at least one letter be from a faculty member.

If the applicant does not meet the minimum GPA requirements, the application may still be considered.

Applicants should see the program website for application deadlines.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-justice-and-human-rights-ma>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

## Social Technologies, MA (ASSTCMA)

**Online Degree Search Title:** Social Technologies, MA

**Campus:** West

**Program Description:**

ASU's West campus offers an MA in social technologies for those interested in researching social media and other technologies that affect social and organizational change. The program engages the theory of social technologies through its application and it prepares graduates to be leaders in the field of social media; work with the social and human dimensions of emerging technologies; consult on broader uses of technology by for-profit, non-profit and governmental organizations; or, continue on to doctoral work.

The social technologies program provides a grounding in social, behavioral, cultural and design approaches to critically interrogating the social uses of data, the ethics and politics of social computing, and algorithmic culture more broadly.

The flexible curriculum consists of three required courses in the theory, research and application of social technologies as well as a range of in-person and online elective courses from across the university and it culminates in a six credit hour capstone project.



**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biology, BA

Environmental Science, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including the required applied project (STC 593).

Required Core (6 credit hours)

STC 505 Theories of Social Technology (3)

STC 510 Applied Social Technology (3)

Electives and Research Courses (21 credit hours)

Culminating Experience (6 credit hours)

STC 593 Applied Project (6)

Additional Curriculum Information

Students are required to take 21 credit hours of electives and research coursework, including at least one research methods course from CMN 505, CMN 506, JHR 500 or MAS 501 for three credit hours. Students should see the academic unit for a complete list of approved electives and research courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- GRE scores (if applicable)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation be from faculty members who know the applicant's work well; if these are not available, then letters of recommendation from individuals in supervisory or professional roles will be accepted.

If the applicant does not meet the minimum GPA requirements, the application may be considered if accompanied by an official GRE score.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-technologies-ma>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

## Journalism & Mass Communication, Walter Cronkite School of

### Business Journalism, MS (CSBSJMS)

**Online Degree Search Title:** Business Journalism, MS

**Campus:** Online

**Program Description:**

The MS degree program in business journalism includes journalism and business coursework offered by the Walter Cronkite School of Journalism and Mass Communication and the W. P. Carey School of Business. The program is designed to give journalists and communications professionals around the world a competitive edge in the globally expanding job market in business journalism and related fields. The program may be completed in as few as one-and-a-half years.

**Degree Requirements:**

30 credit hours including the required applied project (MCO 593).

Required Core (27 credit hours)

ACC 501 Basics of Financial Performance Reporting and Analysis (1.5)

ACC 504 Basics of Internal Measures of Success: Managerial Accounting (1.5)

ECN 504 Basics of Decisions, Market Structure and Games: Managerial Economics (3)

MCO 503 Media Law (3)

MCO 550 Issues in Coverage of Business and the Economy (3)

MCO 551 Better Business Reporting (3)

MCO 552 Data in Business Journalism (3)

MCO 556 Media Entrepreneurship (3)

MGT 501 Basics of Leading People, Teams and Organizations: Organization Theory (3)

WPC 504 Basics of Understanding Facts: Statistics for Managers (3)

Culminating Experience (3 credit hours)

MCO 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in journalism, mass communication, public relations, business or a closely related field from a regionally accredited institution, and have some professional communications experience.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score of at

least 100 on the internet-based test is required. Applicants can have these scores automatically submitted to ASU and the Cronkite School by using institution code 4007.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-business-journalism/>)

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-business-journalism>  
CRONK 302  
cronkitegrad@asu.edu  
602-496-5555

## Digital Audience Strategy, MS (CSDASMS)

**Online Degree Search Title:** Digital Audience Strategy, MS

**Campus:** Online

Admission to this program is limited to students who do not have an undergraduate degree or minor in digital audiences.

**Program Description:**

The MS program in digital audience strategy prepares students to design and execute large-scale strategies for connecting digital audiences through a data-driven, multidisciplinary, hands-on curriculum.

Students learn to measure and analyze how consumers interact with content online, on social media and on mobile devices. Using those measurement skills, students develop strategies and tactics to grow audiences through search engine optimization, search engine marketing, paid and organic social media campaigns, and digital content creation. They work with real-world clients to develop, test and execute audience growth strategies in real time.

Through required coursework in ethics, media law and entrepreneurship, students learn to make ethical business decisions regarding consumer privacy, digital data security and community engagement. Through elective courses, students develop additional expertise in areas such as management and intellectual property.

Students graduate from the program ready to drive innovation and business development in the digital age.

**Degree Requirements:**

30 credit hours including the capstone course MCO 566.

Required Core (21 credit hours)

MCO 503 Media Law (3)

MCO 556 Media Entrepreneurship (3)

MCO 561 Defining the Digital Audience (3)

MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)

MCO 563 Social Media Campaigns and Engagement (3)

MCO 564 Digital Audience Research and Behavior (3)

MCO 565 Digital Audience Analytics (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

MCO 566 Digital Audience Management (3)

Additional Curriculum Information

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in journalism, communications, public relations or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement of intent
- professional resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 100 for the Internet-based TOEFL iBT.

In 300 to 500 words, the personal statement of intent should describe the applicant's interest in the Master of Science program in digital audience strategy, explain how previous academic or professional experience will inform the applicant's work in the program and how the program will help achieve personal or career goals of the applicant.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/digital-audience-strategy-ms/>)

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
<https://asuonline.asu.edu/online-degree-programs/graduate/digital-audience-strategy-ms>  
CRONK 222  
cronkitegrad@asu.edu  
602-496-5055

## Digital Audiences (certificate), Certificate (CSDASGRCT)

**Online Degree Search Title:** Digital Audiences (Graduate Certificate)

**Campus:** Online

Admission to this program is limited to students who do not have an undergraduate degree or minor in digital audiences.

**Program Description:**

The graduate certificate in digital audiences prepares students to execute audience growth and engagement strategies in any industry. Students learn to measure and analyze how consumers interact with content online, on social media and on mobile devices. Using those measurement skills, students develop strategies and tactics to grow audiences through search engine optimization, search engine marketing, paid and organic social media campaigns, and digital content creation.

This program is designed for professionals who want to develop new skills, take on new responsibilities or more effectively promote their work.

**Degree Requirements:**

15 credit hours.

Required Core (15 credit hours)

MCO 561 Defining the Digital Audience (3)

MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)

MCO 563 Social Media Campaigns and Engagement (3)

MCO 564 Digital Audience Research and Behavior (3)

MCO 565 Digital Audience Analytics (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in communications, political science, business or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 100 for the internet-based TOEFL (iBT).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/digital-audience-strategy-graduate-certificate/>)

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
<https://cronkite.asu.edu/content/digital-audiences-graduate-certificate>  
CRONK 302  
cronkitegrad@asu.edu  
602-496-5055

## Journalism and Mass Communication, PHD (CSJMCPHD)

**Online Degree Search Title:** Journalism and Mass Communication, PhD

**Campus:** Downtown Phoenix

**Program Description:**

The PhD program at the Walter Cronkite School of Journalism and Mass Communication is a highly individualized program designed for industry thought leaders and the educators of tomorrow. The doctorate in journalism and mass communication attracts seasoned media professionals transitioning to academia as well as recent graduates of master's degree-level journalism and communication programs.

At the journalism school, students access resources needed to answer critical questions that challenge the fields of journalism, social media, public relations and international mass communication.

Students engage with world-class faculty who challenge them to think differently about all forms of nonfiction storytelling across every platform marketed to digital audiences.

Students develop lasting relationships with a doctoral cohort and faculty mentors from across North America and the world, researching together to create ethical, entrepreneurial and innovative pathways for the media industry to follow.

This doctoral program in journalism and mass communication is designed to be small, student-centered and scholarly research-oriented. It is based on the following priorities: a journalism and mass communication focus, a transdisciplinary approach that requires coursework outside of the journalism school, one-on-one faculty-student mentoring, and program flexibility.

The emphasis of this degree program is the creation of scholarly, peer-reviewed articles and presentations based on journalism and mass communication philosophy, theory and methods. The program prepares students for research-oriented careers in journalism and mass communication education and related fields.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (18 credit hours)

Electives (18 credit hours)

Other Requirements (24 credit hours)

previous master's degree or additional hours approved by the supervisory committee (24)

Research (12 credit hours)

Dissertation (12 credit hours)

Additional Curriculum Information

Students should see the academic unit for an approved course list.

Students entering the program with a master's degree in journalism or mass communication, or a related field, must complete 60 credit hours of coursework. Students who are admitted to the program without a master's degree will be required to complete an additional 24 credit hours of coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement of interest
- resume
- samples of scholarly work
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the Internet-based.

Scores on the quantitative and verbal sections of the GRE are required, with the verbal score being particularly important to the Cronkite School's graduate committee.

The personal statement of interest should be 350 to 500 words in length.

Students should see the program website for application deadlines and admission terms. Applicants must meet all deadlines and application requirements to be considered.

The Cronkite School's doctoral committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
<https://cronkite.asu.edu/phd>  
CRONK 302  
[cronkitegrad@asu.edu](mailto:cronkitegrad@asu.edu)  
602-496-5555

## Mass Communication, MMC (CSMCOMMMC)

**Online Degree Search Title:** Master of Mass Communication, MMC

**Campus:** Downtown Phoenix

**Program Description:**

The Walter Cronkite School of Journalism and Mass Communication's 12-month MMC degree program uses the teaching hospital model to immerse students in the practice of journalism and prepare them for careers in today's rapidly evolving media industry.

This 36-credit hour program begins with a multimedia boot camp in which students learn to report and produce content for digital and broadcast platforms. Students learn how to navigate a rapidly evolving media environment through classes and a symposium specifically focused on the future of journalism. The program culminates in a professional immersion experience in one of the Cronkite School's news bureaus in Los Angeles, Phoenix or Washington, D.C. Working under the guidance of award-winning journalists, these capstone programs offer real-world experience in a professional news environment.

The Cronkite School is housed in a world-class facility in the heart of downtown Phoenix, the nation's fifth largest city and 11th largest media market. The school is also home to Arizona PBS. Student journalists can walk to the state's largest newspaper, to the NBC and Fox television affiliates and to major events at city hall, government agencies and sporting and cultural venues.

The cornerstone of the graduate program is the journalism school's professional programs:

- Cronkite News Phoenix: Students produce a daily newscast on Arizona PBS (reaching 1.9 million households) and digital content for [cronkitenews.azpbs.org](https://cronkitenews.azpbs.org) (<https://cronkitenews.azpbs.org/>), Cronkite News social platforms and partner sites across Arizona. <https://cronkite.asu.edu/content/masters-degree-journalism> (<https://cronkite.asu.edu/content/masters-degree-journalism>)
- Cronkite News Washington: Students cover Congress, the White House and the U.S. Supreme Court for Cronkite News and partner newsrooms. <https://cronkite.asu.edu/content/masters-degree-journalism> (<https://cronkite.asu.edu/content/masters-degree-journalism>)
- Cronkite Noticias: Students produce Spanish-language news for digital and broadcast platforms in collaboration with Univision Arizona. <https://cronkite.asu.edu/content/masters-degree-journalism> (<https://cronkite.asu.edu/content/masters-degree-journalism>)
- Carnegie-Knight News21: Students produce major national investigations in partnership with newsrooms such as The Washington Post and NBCNews.com. <https://cronkite.asu.edu/content/masters-degree-journalism> (<https://cronkite.asu.edu/content/masters-degree-journalism>)
- New Media Innovation and Entrepreneurship Lab: Journalism, engineering, design and business students work together to create cutting-edge digital products and launch new businesses. <https://cronkite.asu.edu/content/masters-degree-journalism> (<https://cronkite.asu.edu/content/masters-degree-journalism>)
- Public Relations Lab: Students work in a strategic communications agency environment to develop campaigns for clients ranging from Fortune 500 companies to startups. <https://cronkite.asu.edu/real-world-experiences/professional-programs/public-relations-lab> (<https://cronkite.asu.edu/real-world-experiences/professional-programs/public-relations-lab>)

This program is also offered as a dual degree with the Mayo Clinic. For more information, students should visit <https://mayo.asu.edu/dualdegrees#MMC> (<https://mayo.asu.edu/dualdegrees#MMC>).

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:  
Legal Studies, MLS  
Sustainability Solutions, MSUS

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

Journalism and Mass Communication, BA

Sports Journalism, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required capstone course (MCO 570), or 36 credit hours including the required capstone course (MCO 570).

Required Core (12 credit hours)

MCO 503 Media Law (3)

MCO 510 Data Journalism (3)

MCO 525 21st-Century Media Organization and Entrepreneurship (3)

MCO 530 History, Philosophy and Ethics of Journalism (3)

Electives (6 credit hours)

Other Requirements (9 credit hours)

MCO 502 Journalism Skills (8)

MCO 504 Journalism Skills Lab (1)

Culminating Experience (9 credit hours)

MCO 570 Master of Mass Communication Capstone (9)

Additional Curriculum Information

The master's degree program is a full-time, 36 credit hour program. Students with extensive professional journalism experience may be offered the opportunity to pursue the 30 credit hour mid-career option.

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement of interest (350 to 500 words in length).
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the internet-based.

Scores on the quantitative and verbal sections of the GRE are required, with the verbal score being particularly important to the journalism school's graduate committee.

The Cronkite School's graduate committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of

Walter Cronkite School of Journalism & Mass Comm

<https://cronkite.asu.edu/content/masters-degree-journalism>



CRONK 302  
cronkitegrad@asu.edu  
602-496-5555

## Sports Journalism, MA (CSSPJMA)

**Online Degree Search Title:** Sports Journalism, MA

**Campus:** Downtown Phoenix

### Program Description:

Sports journalism is the fastest-growing sector of the news media industry, with continued growth on all platforms: specialty magazines, multimedia outlets, broadcast channels and networks.

The Walter Cronkite School of Journalism and Mass Communication's MA program in sports journalism is a 36-credit hour, three-semester program providing students with unparalleled preparation for careers in sports media and communications. Students begin with an intensive multimedia skills-based course, which teaches them to produce sports and news coverage across broadcast, digital, and print platforms. From there, students take advanced classes in sports reporting, videography, photojournalism, ethics and diversity and participate in sports bureaus located in Phoenix and Los Angeles. Students learn the values and principles embodied by Walter Cronkite in classes that focus on sports journalism ethics and the challenges faced by the industry.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Journalism and Mass Communication, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

36 credit hours including the required capstone course (MCO 570).

Required Core (15 credit hours)

MCO 503 Media Law (3)

MCO 510 Data Journalism (3)

MCO 526 Advanced Issues in 21st-Century Sports and Media (3) Electives or Research (3 credit hours)

Other Requirement (9 credit hours)

MCO 502 Journalism Skills (8)

MCO 504 Journalism Skills Lab (1)

Culminating Experience (9 credit hours)

MCO 570 Capstone: Cronkite News - Los Angeles Sports Bureau (9) or

MCO 570 Capstone: Cronkite News - Phoenix Sports Bureau (9)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement of interest (350 to 500 words in length)
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the internet-based examination.

Scores on the quantitative and verbal sections of the GRE are required, with the verbal score being particularly important to the journalism school's graduate committee.

Applicants must meet all deadlines and application requirements to be considered.

The Cronkite School's graduate committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

#### Contact Information:

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
<https://cronkite.asu.edu/content/masters-degree-sports-journalism>  
CRONK 302  
cronkitegrad@asu.edu  
602-496-5555

## Law, Sandra Day O'Connor College of

### Biotechnology and Genomics, LL.M. (LWGENOMLLM)

**Online Degree Search Title:** Biotechnology and Genomics, LLM

**Campus:** Downtown Phoenix

#### Program Description:

The LLM in biotechnology and genomics is offered through the Sandra Day O'Connor College of Law's Center for Law, Science and Innovation, the nation's oldest, largest and most comprehensive research center focusing on the intersection of law and science. Through classroom instruction and guided independent study, Master of Laws candidates will examine the legal issues surrounding genetic applications such as:

- cloning
- forensic evidence
- gene testing
- gene therapy
- genetically modified organisms
- stem cells and behavioral genetics

The issues relate to:

- business planning
- confidentiality
- evidentiary standards
- intellectual property
- international trade
- liability
- licensing
- privacy
- regulation

Students in the Master of Laws program in biotechnology and genomics explore and examine the law that enables and constrains the development, control and application of biotechnology and genomics. Relevant legal fields include:

- agricultural law and policy
- health law, particularly public health law
- intellectual property

Forensic science and ethical constraints upon the various contemplated uses are also important elements of the program. Because the legal, ethical and policy aspects of genomics and biotechnology are of global significance, this program is also beneficial for non-U.S. lawyers. Candidates for a Master of Laws degree must have received their JD or comparable terminal law degree from another country.

#### Degree Requirements:

The program is designed to be completed in nine months on a full-time basis but also may be pursued on a part-time basis. A degree candidate must complete 24 credit hours of coursework to obtain the Master of Laws degree in biotechnology and genomics. A candidate may elect to write a graduate thesis for either three or six credit hours or can elect not to write a thesis and fulfill the equivalent credits with other coursework. Two required courses are: genetics and the law, and biotechnology: science, law and policy.

The remaining credit hours generally will be obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

#### **Admission Requirements:**

Applicants should see the program website for application deadlines.

Admission to the program is competitive. In order to be admitted, an applicant must have completed a Juris Doctor degree program or a law degree program at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection will be based on:

- academic background and potential
- career experience and ambitions
- diversity of experience and background
- space and resource limitations in the law school
- strength of experience related to the program sought and other factors

For an application to be considered complete, it must include the following:

- completed Law School Admissions Council electronic application form, available at <https://law.asu.edu/admissions/apply/llm> (<https://law.asu.edu/admissions/apply/llm>)
- completed LLM Credential Assembly Service report: <https://www.lsac.org/llm/application-process/checklist-for-the-llm-application-process> (<https://www.lsac.org/llm/application-process/checklist-for-the-llm-application-process>)
- required application fee
- resume that does not exceed three typed pages
- personal statement that does not exceed 1,250 words (double-spaced typed pages)
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred
- two letters of recommendation
- writing sample

#### **Additional Application Information**

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate College and College of Law English proficiency requirements.

#### **Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/llm>  
BCLS 420  
llmasu@asu.edu  
480-965-1474

## **Health Law and Policy (Certificate), Certificate (LWHLPGRCT)**

**Online Degree Search Title:** Health Law Policy (Graduate Certificate)

**Campus:**

#### **Program Description:**

The health law and policy graduate certificate program in ASU's Sandra Day O'Connor College of Law is a pivotal step to a health law career. The certificate is designed to immerse students in multiple areas of health law and policy, broadening their knowledge and skills in preparation for applied practice.

#### **Degree Requirements:**

Required Core (5 credit hours)

LAW 650 Health Law (3)  
LAW 651 Public Health Law (2)

Electives (10 credit hours)

Culminating Experience  
writing requirement and active participation in health law

#### Additional Curriculum Information

Students are required to participate in at least one of the following activities; other activities consistent with this listing also may be considered by the program or certificate director or designee:

- active participation as an officer for at least one year in the student Health Law Society
- editorial board position for at least one year with JURIMETRICS
- health or public health law-based externships, upon approval from program director or designee, for at least one semester or summer session
- research assistant for at least one semester or summer session with the Public Health Law and Policy Program or other centers or programs at ASU Law, provided research is focused predominantly on health-related topics

The student must write a substantial paper on a health or public health law topic of at least 15 single-spaced pages and under guidance of a College of Law faculty member. Papers satisfying the college's Graduation Writing Requirement or Flexible Writing Requirement or law journal requirements can fulfill this certificate requirement, including as part of seminar courses among the elective courses.

Each student must earn a cumulative average grade of at least 3.00 (scale is 4.00 = "A") for courses taken to satisfy the substantive requirements of the health law and policy certificate. A student also must earn a minimum grade of a "B-" for any course applied toward the certificate.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants must be existing JD or LLM students who are currently enrolled in coursework and in good academic standing with the ASU College of Law.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- admission application for the certificate program through Law Interactive. Students should refer to the College of Law website.
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

#### Contact Information:

Law, Sandra Day O'Connor College of  
College of Law Dean's Office  
<https://law.asu.edu/degree-programs/public-health-law-policy>  
BCLS 340  
publichealthlaw@asu.edu  
480-965-6181

## Indian Law (certificate), Certificate (LWLAWGRCI)

**Online Degree Search Title:** Indian Law (Graduate Certificate)

**Campus:**

#### Program Description:

The Indian law certificate program is designed for students who plan to practice Indian law, particularly students who may be representing tribal communities directly after graduation.

To be eligible to pursue the Indian law certificate, a student must be enrolled in the JD degree program at the Sandra Day O'Connor College of Law and be in good standing. Transfer applicants may be admitted to the certificate program if they otherwise meet the admission standards of the Sandra Day O'Connor College of Law.

The certificate requires substantive coursework, a minimum grade requirement, practice experience in Indian law and the College of Law graduation writing requirement written on an Indian law topic.

#### **Degree Requirements:**

The certificate requires a minimum of 21 hours of substantive work in Indian law and related fields. The following courses are required:

LAW 632 Federal Indian Law I

LAW 704 Federal Indian Law II

LAW 776 Indian Legal Clinic

two advanced Indian law courses approved by the faculty director of the Indian law program

The remaining credits are elective courses approved by the faculty director. Students must complete a substantial paper on an Indian law topic approved by the faculty director. Students must receive a grade of "C" (scale is 4.00 = "A") or above or a "Pass" in each course used to fulfill the Indian law certificate requirements.

More specific requirements for completion of the Indian law certificate can be found on the Sandra Day O'Connor College of Law website.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Students wishing to pursue the Indian law certificate must be enrolled in the Juris Doctor degree program at the Sandra Day O'Connor College of Law and must be in good standing. Specific requirements for the Indian law certificate program can be found at the college's website.

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### **Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/indian-law>  
BCLS 420  
ilp@asu.edu  
480-965-6204

## **Juris Doctor of Law, JD (LWJDJD)**

**Online Degree Search Title:** Juris Doctor, JD

**Campus:** Downtown Phoenix

#### **Program Description:**

The JD degree program offers a large selection of courses with options for transdisciplinary study with other departments on campus. Students will find the opportunity to take classes with a more traditional, theoretical focus and to take advantage of many options that focus on the development of practice skills. The college hosts:

- The Center for Law and Global Affairs
- The Center for Law, Science and Innovation
- The Center for Public Health Law and Policy
- The Indian Legal Program
- The Lodestar Dispute Resolution Center

#### **Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

Justice Studies, PhD

Psychology, PhD  
Social Work - Standard Program, MSW  
W. P. Carey MBA - Full-Time Program

**Degree Requirements:**

Required Core (30 credit hours)

LAW 515 Contracts (4)  
LAW 516 Criminal Law (3)  
LAW 517 Torts (4)  
LAW 518 Civil Procedure (4)  
LAW 519 Legal Method and Writing (3)  
LAW 522 Constitutional Law (3)  
LAW 523 Property (4)  
LAW 524 Legal Advocacy (2)  
LAW 638 Professional Responsibility (3)

Electives (58 credit hours)

Additional Curriculum Information

A minimum of 64 units must be obtained from courses that involve attendance at regularly scheduled class sessions. The following do not count toward these required 64 units: all externships; independent studies; courses taken outside the law school under section IX A; credits received for working for a journal under section X F; credits received for Moot Court under section X G; credits received for being a teaching assistant; credits received from any clinic other than Civil Justice Clinic, Immigration Law and Policy Clinic, Indian Legal Clinic, Innovation Advancement Legal Clinic, Mediation Clinic, Post-Conviction Clinic; and credit from courses without regularly scheduled meetings.

Students should see the College of Law's Statement of Student Policies for additional Juris Doctor degree requirements.

**Admission Requirements:**

Applicants with degrees from foreign institutions must meet the Graduate College and College of Law English proficiency requirements.

The Sandra Day O'Connor College of Law at Arizona State University enrolls only one first-year Juris Doctor class per year, and it enters in the fall semester. The Juris Doctor degree is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. Each year, far more applications are submitted to the Sandra Day O'Connor College of Law than the college's facilities and programs can accommodate. Thus, admission is competitive. The Sandra Day O'Connor College of Law makes its admission decisions based upon all information contained in the applicant's file.

To be considered for admission to the program, an applicant must have taken the LSAT and have earned, or expect to have earned by the time of enrollment in law school, a bachelor's degree from an accredited four-year college or university. Further, a candidate must complete the application for admission and submit all mandatory attachments. Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants must apply electronically through <https://www.lsac.org> (<https://www.lsac.org/>).

The Sandra Day O'Connor College of Law will provide full file review to 100 percent of the completed applications to the Juris Doctor program. While the applicant's undergraduate record and LSAT score are important predictors, no decision will be made on objective criteria alone. Among the other factors considered by the admission committee are:

- ability to communicate
- demonstrated commitment to public service
- diversity of experience and background
- exceptional personal talents
- extracurricular or community activities
- foreign language proficiency
- geographic diversity
- graduate study
- history of overcoming economic or other disadvantage
- honors and awards
- leadership experience
- maturity
- overcoming disability
- personal experiences with discrimination
- publications

- service in the Armed Forces
- the rigor of the undergraduate course of study
- work experience

Students should see the program website for application deadlines.

For an application to be considered complete, it must include the following:

- a complete Credential Assembly Service report, with all transcripts and letters of recommendation or evaluations
- the completed application, including explanations for affirmative answers to conduct, character and fitness questions
- LSAT scores from Law School Admissions Council
- a personal statement that does not exceed two double-spaced, typed pages
- the required application fee
- a resume that does not exceed three typed pages

The Credential Assembly Service report must be from the current application year.

**Contact Information:**

Law, Sandra Day O'Connor College of  
 Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/jd>  
 BCLS 420  
 asulaw.admissions@asu.edu  
 480-965-1474

**Law and Sustainability (Certificate), Certificate (LWLSUSGRCT)**

**Online Degree Search Title:** Law and Sustainability (Graduate Certificate)

**Campus:**

**Program Description:**

The law and sustainability graduate certificate within ASU's Sandra Day O'Connor College of Law is instrumental in propelling ASU Law students into environmental sustainability-related legal careers. Environmental sustainability is a primary emphasis at ASU, and this certificate program leverages that emphasis by recognizing those law students who have successively immersed themselves in the study of sustainability-related law courses during their time at the law school.

**Degree Requirements:**

Required Core (6 credit hours)

- LAW 619 Energy Law and Policy (3)
- LAW 631 Environmental Law (3)
- LAW 639 Natural Resource Law (3)
- LAW 643 Water Law (3)

Electives (9 credit hours)

Culminating Experience

writing requirement and active participation in sustainability law

Additional Curriculum Information

Students must select two of the required core courses from the above list.

Each student must earn a cumulative average grade point average of at least 3.00 (scale is 4.00 = "A") for the courses taken to satisfy the substantive coursework requirement of the law and sustainability certificate program. A student also must earn a minimum grade of "B" for any course taken outside of ASU Law, if permitted.

Each student must participate in at least two different activities from the following list:

- active participation on the board of the law school's Environmental Law Society student chapter
- extramural environmental or sustainability moot court competitions, upon approval from the program director or faculty director
- law and sustainability-based externships, upon approval from the program faculty director or director
- Sustainability Law Research Seminar
- the Mentorship Initiative in Sustainability Law

Each student must write a substantial paper on a topic related to law and sustainability. The paper must be at least 15 pages in length and written under the guidance of a member of the College of Law faculty. A paper written to satisfy the College of Law's graduate writing requirement or flexible writing requirement can fulfill this writing requirement, including a paper written as part of a seminar course included on the list of elective courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants must be existing JD or LLM students who are currently enrolled in coursework and in good academic standing with the ASU College of Law.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- admission application for the certificate program through Law Interactive. Students should refer to the College of Law website.
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

**Contact Information:**

Law, Sandra Day O'Connor College of  
College of Law Dean's Office  
<https://law.asu.edu/degree-programs/sustainability>  
BCLS 478  
LawandSustainability@asu.edu  
480-965-7553

## Law, Science, & Technology (certificate), Certificate (LWLAWSTCE)

**Online Degree Search Title:** Law, Science, and Technology (Graduate Certificate)

**Campus:**

**Program Description:**

The law, science and technology certificate program is for students with science and technology interests and is limited to students in good standing pursuing a JD degree at the Sandra Day O'Connor College of Law.

Students can choose to earn a general LST certificate or focus in one or more of the following areas:

- data, privacy and security
- environmental and sustainability law
- genomics and biotechnology
- health law
- intellectual property

**Degree Requirements:**

Students must satisfy their graduation writing requirement on a topic related to law, science and technology. The paper must meet all of the Sandra Day O'Connor College of Law requirements for a graduation writing requirement and must be supervised by a center fellow.

A minimum cumulative GPA of at least 3.00 (scale is 4.00 = "A") is required for those courses that satisfy the substantive coursework requirements of the certificate. Courses used to satisfy the core or focus area requirements may not be taken for pass or fail credit. A student may take one elective course on a pass or fail basis.

Substantive coursework is required in law, science and technology subjects for a minimum of seven courses, earning at least 16 credit hours, at the Sandra Day O'Connor College of Law. Two courses are chosen from the designated core courses and five courses are chosen from a list of



elective courses.

Each student is encouraged to actively participate in the events (speakers, conferences, symposia) sponsored by the Center for Law, Science and Innovation and to participate in at least one approved activity for two semesters.

Additional details of the program requirements for the law, science and technology certificate can be found in the Sandra Day O'Connor College of Law Statement of Student Policies.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Students wishing to pursue the law, science and technology certificate must be enrolled in the JD program at the Sandra Day O'Connor College of Law and be in good standing.

Specific requirements for admission to the law, science and technology certificate program can be found on the college website.

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### **Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/law-technology>  
BCLS 420  
Lsi@asu.edu  
480-965-5386

## **Laws, LL.M. (LAWLAWSLLM)**

**Online Degree Search Title:** Laws, LLM

**Campus:** Downtown Phoenix

#### **Program Description:**

The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students. Study is available in a variety of areas in which the law school holds particular strength.

With more than 250 unique courses to choose from each year (<https://law.asu.edu/admissions/courses> (<https://law.asu.edu/admissions/courses>)), the 24-credit hour Master of Laws program is customized to meet students' career goals with focus on popular areas of study: <https://law.asu.edu/degree-programs> (<https://law.asu.edu/degree-programs>). The graduate program is flexible with fall and spring starts as well as full-time and part-time options. In order to be admitted to the Master of Laws program, applicants must have completed a JD degree or a law degree at a foreign institution that would qualify an applicant to practice law.

The college also offers a Master of Laws in biotechnology and genomics (<https://law.asu.edu/degree-programs/llm/biotech-genomics> (<https://law.asu.edu/degree-programs/llm/biotech-genomics>)) and a Master of Laws in tribal policy, law and government (<https://law.asu.edu/degree-programs/indian-law> (<https://law.asu.edu/degree-programs/indian-law>)).

To learn more, students should attend one of many provided webinars <https://law.asu.edu/admissions/visit> (<https://law.asu.edu/admissions/visit>).

#### **Focus Areas:**

- Health Law: <https://law.asu.edu/degree-programs/public-health-law-policy> (<https://law.asu.edu/degree-programs/public-health-law-policy>)
- Indian Law: <https://law.asu.edu/degree-programs/indian-law> (<https://law.asu.edu/degree-programs/indian-law>)
- International Law: <https://law.asu.edu/degree-programs/programs/international> (<https://law.asu.edu/degree-programs/programs/international>)
- Law and Sustainability: <https://law.asu.edu/degree-programs/sustainability> (<https://law.asu.edu/degree-programs/sustainability>)
- Patent Practice: <https://law.asu.edu/degree-programs/programs/patent> (<https://law.asu.edu/degree-programs/programs/patent>)
- Rule of Law and Governance: <https://law.asu.edu/degree-programs/irls> (<https://law.asu.edu/degree-programs/irls>)
- Science and Technology Law: <https://law.asu.edu/degree-programs/law-technology> (<https://law.asu.edu/degree-programs/law-technology>)
- Sports Law and Business: <https://law.asu.edu/degree-programs/sports-law-business> (<https://law.asu.edu/degree-programs/sports-law-business>)
- LLM in Biotechnology and Genomics: <https://law.asu.edu/degree-programs/llm/biotech-genomics> (<https://law.asu.edu/degree-programs/llm/biotech-genomics>)
- LLM in Tribal Policy, Law and Government: <https://law.asu.edu/degree-programs/indian-law> (<https://law.asu.edu/degree-programs/indian-law>)

#### **Degree Requirements:**

The program requires 24 credit hours. Required courses will depend on the student's particular concentration in the degree. International students will be required to take LAW 596 Professional Legal Writing. A candidate may elect either to write a master's degree portfolio paper or complete an applied project. The remaining credit hours generally will be obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

All applicants must submit:

- completed LLM application form and application fee
- official transcripts
- resume, not exceeding three typed pages
- statement of interest, not exceeding 1,250 words (double-spaced, typed pages)
- two letters of recommendation
- writing sample
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the College of Law website for acceptable TOEFL scores and additional information for foreign educated applicants.

Applicants are encouraged to apply electronically through <https://www.lsac.org>. (<https://www.lsac.org>)

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC. Transcripts are required from all institutions attended, and transcripts showing that the bachelor's degree and law degree were conferred must be included.

Admission to the program is competitive. Selection will be based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school and other factors.

Potential applicants should see the program website for application deadlines.

**Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/llm>  
BCLS 420  
llmasu@asu.edu  
480-965-1474

**Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)**

**Online Degree Search Title:** Laws (Global Legal Studies), LLM

**Campus:** Downtown Phoenix

**Program Description:**

The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students.

The concentration in global legal studies is designed in coordination with the College of Law's Center for Law and Global Affairs. The program draws on the unique focus of the center and the faculty's international and transnational legal expertise in global health, the environment, human rights, trade and emerging technologies. The program emphasizes transdisciplinary study and links rigorous legal training with the research and scholarship drawn from political science, policy studies, anthropology and sustainability.

Students can take a wide variety of courses on international topics, ranging from international environmental law to international human rights law to international institutions. These include business-related courses such as international contracts, international taxation, international commercial arbitration and international business transactions.

Students who participate in externships gain practical experience that makes them more competitive for jobs at home and abroad. ASU Law can place every eligible enrolled student into an externship at organizations in Arizona (<https://law.asu.edu/about/new-building>) or Washington, D.C., like the U.S. State Department, World Bank, International Rescue Committee, Department of Homeland Security and Human Rights First. ASU Law DC-based externship opportunities are available to view here: <https://law.asu.edu/experiences/externships/washington>. The opportunity for students to network with international decision-makers, opinion leaders and top practitioners is further amplified through ASU's large presence in Washington, D.C. (<https://washingtondc.asu.edu/#why-is-asu-in-washington-dc>).

Students can develop professionally by engaging with globally minded leaders in the legal, government and business communities. For instance, the Phoenix Committee on Foreign Relations hosts events and other forums for select students to engage with prominent leaders and practitioners on trending international issues. Each year, LGA holds a workshop with the American Red Cross on international humanitarian law that brings students, members of the military, and community leaders together to learn more about the principles governing armed conflict.

### **Degree Requirements:**

The program is designed to be completed in one academic year (nine months) on a full-time basis but may also be pursued on a part-time basis. A degree program candidate must complete 24 credit hours of coursework. A candidate may elect to write a master's degree portfolio paper or, instead, can elect to complete an applied project. Required coursework includes two of the following courses:

LAW 615 Public International Law (3)

LAW 691 Seminar: International Institutions (2)

LAW 709 International Human Rights (2-3)

LAW 768 International Business Transactions (2-4)

An international student whose initial law degree is not from a U.S. law school is required to take the following course:

LAW 596 Professional Legal Writing (2)

The remaining credit hours are generally obtained from the list of elective courses in international law.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

All applicants must submit:

- completed LLM application form and application fee
- official transcripts
- resume, not exceeding three typed pages
- statement of interest, not exceeding 1,250 words (double-spaced, typed pages)
- two letters of recommendation
- writing sample
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the College of Law website for acceptable TOEFL scores and additional information for foreign educated applicants.

Applicants are encouraged to apply electronically through <https://www.lsac.org> (<https://www.lsac.org/>).

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and are provided to the ASU College of Law by LSAC. Transcripts are required from all institutions attended, and transcripts showing that the bachelor's degree and law degree were conferred must be included.

Admission to the program is competitive. Selection is based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school and other factors.

Potential applicants should see the program website for application deadlines.

**Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/lm>  
BCLS 420  
lmasu@asu.edu  
480-965-1474

## Legal Studies, MLS (LWLGSMLEGS)

**Online Degree Search Title:** Legal Studies, MLS

**Campus:** Downtown Phoenix

**Program Description:**

The MLS degree is offered for people who want to understand legal principles and apply them to their fields of interest without becoming a lawyer.

The Master of Legal Studies is a 30-credit hour graduate program for those interested in learning about the law or whose work intersects with the law. The program is flexible; it is offered in the fall and spring, full-time and part-time, on-campus and online: <https://law.asu.edu/degree-programs/mls/online> (<https://law.asu.edu/degree-programs/mls/online>).

Students may focus their program on popular areas of study (<https://law.asu.edu/degree-programs>) or pursue the Master of Legal Studies concurrently with several graduate business degrees from the W. P. Carey School of Business, a Master of Sustainable Solutions from the School of Sustainability, or a Master of Mass Communication from the Walter Cronkite School of Journalism and Mass Communication. The Master of Legal Studies program is also offered with a concentration in patent practice.

To learn more, applicants should attend one of many offered webinars: <https://law.asu.edu/admissions/visit> (<https://law.asu.edu/admissions/visit>).

**MLS Focus Areas:**

on-campus

- business law
- conflict resolution: <https://law.asu.edu/degree-programs/conflict-resolution> (<https://law.asu.edu/degree-programs/conflict-resolution>)
- criminal law
- entrepreneurship law and strategy: <https://law.asu.edu/degree-programs/programs/entrepreneurship-law-strategy> (<https://law.asu.edu/degree-programs/programs/entrepreneurship-law-strategy>)
- health law: <https://law.asu.edu/degree-programs/public-health-law-policy> (<https://law.asu.edu/degree-programs/public-health-law-policy>)
- human resources and employment Law (also offered online)
- Indian law: <https://law.asu.edu/degree-programs/indian-law> (<https://law.asu.edu/degree-programs/indian-law>)
- international law: <https://law.asu.edu/degree-programs/programs/international> (<https://law.asu.edu/degree-programs/programs/international>)
- law and sustainability: <https://law.asu.edu/degree-programs/sustainability> (<https://law.asu.edu/degree-programs/sustainability>)
- patent practice: <https://law.asu.edu/degree-programs/programs/patent> (<https://law.asu.edu/degree-programs/programs/patent>)
- rule of law and governance: <https://law.asu.edu/degree-programs/irls> (<https://law.asu.edu/degree-programs/irls>)
- science and technology law: <https://law.asu.edu/degree-programs/law-technology> (<https://law.asu.edu/degree-programs/law-technology>)
- sports law and business (offered as the MSLB degree): <https://law.asu.edu/degree-programs/sports-law-business> (<https://law.asu.edu/degree-programs/sports-law-business>)

online only

- criminal law: <https://law.asu.edu/degree-programs/mls/mls-online/criminal-law-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/criminal-law-mls>)

law-mls)

- human resources and employment law: <https://law.asu.edu/degree-programs/mls/mls-online/hr-concentration-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/hr-concentration-mls>)
- intellectual property law: <https://law.asu.edu/degree-programs/mls/mls-online/intellectual-property-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/intellectual-property-mls>)
- sports law and business: <https://law.asu.edu/degree-programs/mls/mls-online/sports-business-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/sports-business-mls>)
- sustainability law: <https://law.asu.edu/degree-programs/mls/mls-online/sustainability-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/sustainability-mls>)

Pursuant to American Bar Association standards, no law credits completed prior to admission to a JD program, including credits earned in the Master of Legal Studies program, may be transferred to a future Juris Doctor program under any circumstances.

#### **Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

- Accountancy, MACC
- Information Management, MS
- Management, MS
- Master of Mass Communication, MMC
- Real Estate Development, MRED
- Sustainability Solutions, MSUS
- Taxation, MTax
- W. P. Carey MBA - Full-Time Program
- W. P. Carey MBA - Professional Flex Program

#### **Degree Requirements:**

The program consists of 30 credit hours of approved study. The degree program can be completed on a full-time or part-time basis. Students are required to take:

LAW 581 U.S. Law and Legal Analysis (3)

Students are required to choose one of the following basic foundational courses:

- LAW 515 Contracts\* or LAW 530 Fundamentals of Contract Law (4/3)
- LAW 516 Criminal Law (3)\*
- LAW 517 Torts (2/4)\*
- LAW 518 Civil Procedure (3/5)\*
- LAW 522 Constitutional Law (3)\*
- LAW 523 Property (2/4)\*
- LAW 602 Civil Procedure II (3/4)
- LAW 604 Criminal Procedure (3)
- LAW 625 Survey of Individual Rights in Constitutional Law (3/4)
- LAW 654 Business Organizations (3/4)
- LAW 664 Intellectual Property (2/4)

\*Students may enroll in a maximum of two courses marked with an asterisk.

The remainder of the credits are electives. Elective course selection is flexible, to accommodate the diversity of intellectual and professional interests the program is intended to serve.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from an accredited four-year college or university in the United States or attained a comparable degree from a foreign institution.

All applicants must submit:

- completed MLS application form and application fee
- official transcripts
- resume, not exceeding three typed pages

- personal statement (typed, double-spaced), not exceeding 1,250 words
- two letters of recommendation
- writing sample
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the College of Law website for acceptable TOEFL scores and additional information for foreign educated applicants.

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (<https://www.wes.org> (<https://www.wes.org>)).

Admission to the program is competitive. Selection will be based on a variety of factors, including academic background and potential, diversity of experience and background, career experience and ambitions, space and resource limitations in the law school and other factors.

Graduate school entrance exams (e.g. LSAT, GRE, GMAT) are not required.

Potential applicants should see the program website for application deadlines.

#### Contact Information:

Law, Sandra Day O'Connor College of  
 Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/mls>  
 BCLS 420  
 mlsasu@asu.edu  
 480-965-1474

## Legal Studies (Patent Practice), MLS (LWLPPMLEGS)

**Online Degree Search Title:** Legal Studies (Patent Practice), MLS

**Campus:** Downtown Phoenix

#### Program Description:

The concentration in patent practice within the MLS degree program prepares students for the practice of patent law as registered patent agents with the United States Patent and Trademark Office. The program focuses on providing students with substantial doctrinal knowledge about patent law as well as practical skills training that includes a capstone clinical course, relevant in the patent law field.

Undergraduates with a degree in engineering or hard science can draft and submit patent applications on behalf of themselves and others after passing the patent bar exam and becoming a registered patent agent with the USPTO. Additionally, many law firms, corporations, entrepreneurial ventures and others hire nonlawyers to draft patents.

At ASU's Sandra Day O'Connor College of Law, the patent practice focus provides students with a detailed understanding of patent law and a general understanding of intellectual property and the U.S. legal system. Skills gained enable students to successfully assist clients in securing their patentable invention rights.

Patent Agent: Trends show an increase in the hiring of patent agents by many law firms, large corporations and other companies that rely on patent prosecution expertise provided by these nonlawyers who are approved by the USPTO to represent individuals and companies in the patent prosecution process.

#### Clinical Experience

Students in the Lisa Foundation Patent Law Clinic (<https://law.asu.edu/experiences/clinics/lisa-foundation> (<https://law.asu.edu/experiences/clinics/lisa-foundation>)) receive hands-on experience in real-world patent prosecution and learn skills needed to recognize and obtain valuable and enforceable patents for clients that later may be successfully licensed or litigated. Regardless of whether students plan to practice transactional patent law or work in patent litigation, the clinic gives students insight into both areas of practice so they may understand the impact that actions taken during the patent procurement process have during a subsequent patent litigation.

Through their clinical experience, students work with independent inventors and start-up companies to draft and prosecute patent applications in the USPTO under the supervision of licensed patent attorneys. Additionally, students learn to conduct validity and infringement analyses while gaining valuable skills such as patent due diligence, valuation and licensing strategies.

The clinic focuses on providing students with hands-on experience in the most commonly encountered practical areas such as inventor interviewing, patentability searching and opinion drafting, patent application and office action response drafting, and examiner interviewing.

#### Degree Requirements:

Required Core (3 credit hours)  
LAW 581 U.S. Law and Legal Analysis (3)

Concentration (18 credit hours)

Electives (6 credit hours)

Culminating Experience (3 credit hours)  
clinical experience (Lisa Foundation Patent Law Clinic) (3)

Total required credit hours (30)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Admission to the concentration requires a bachelor's degree in one of the following:

- aeronautical engineering
- agricultural engineering
- biochemistry
- biology
- biomedical engineering
- botany
- ceramic engineering
- chemical engineering
- civil engineering
- computer engineering
- computer science\*
- electrical engineering
- electrochemical engineering
- electronics technology
- engineering physics
- food technology
- general chemistry
- general engineering
- geological engineering
- industrial engineering
- marine technology
- mechanical engineering
- metallurgical engineering
- microbiology
- mining engineering
- molecular biology
- nuclear engineering
- organic chemistry
- petroleum engineering
- pharmacology
- physics
- textile technology

\*Acceptable computer science degrees must be accredited by the Computer Science Accreditation Commission of the Computing Sciences Accreditation Board or by the Computing Accreditation Commission of ABET on or before the date the degree was awarded.

A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program is required. A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree is required.

All applicants must submit:

- completed MLS application form and application fee
- official transcripts
- resume, not exceeding three typed pages
- statement of interest (typed, double-spaced) not exceeding 1,250 words

- two letters of recommendation
- a writing sample
- proof of English proficiency

#### Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency as indicated by acceptable scores. Applicants should have a TOEFL score above 600 (paper), 250 (computer) or 100 (internet). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper), 243 (computer) or 96 (internet) also are considered. Applicants must meet the requirements of the Graduate College as well as those of the Sandra Day O'Connor College of Law.

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (<https://www.wes.org> (<https://www.wes.org>)).

There is no required admission examination.

Potential applicants should see the program website for application deadlines.

#### Contact Information:

Law, Sandra Day O'Connor College of  
 Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/programs/patent>  
 BCLS 420  
 mlsasu@asu.edu  
 480-965-1474

## Sports Law and Business, JD (LWSLBJD)

**Online Degree Search Title:** Law (Sports Law and Business), JD

**Campus:**

#### Program Description:

The sports law and business concentration under the JD program provides real-world experience to aspiring professionals and future lawyers, teaching them how to approach and solve industry problems through the lens of sports by considering all regulatory, revenue, reputational and relationship factors involved in a given scenario. It provides the theoretical and practical knowledge and experience necessary for success at the nexus of sports and law.

#### Degree Requirements:

Required Core (30 credit hours)

- LAW 515 Contracts (4)
- LAW 516 Criminal Law (3)
- LAW 517 Torts (4)
- LAW 518 Civil Procedure (4)
- LAW 519 Legal Method and Writing (3)
- LAW 522 Constitutional Law (3)
- LAW 523 Property (4)
- LAW 524 Legal Advocacy (2)
- LAW 638 Professional Responsibility (3)

Concentration Courses (15 credit hours)

- LAW 675 Professional Sports Law (3) or LAW 676 Amateur Sports Law (3)
- non-JD SLB courses (6)
- sports-related internship, externship, advanced research (3)
- sports-related elective (3)

LAW Electives (43 credit hours)

#### Additional Curriculum Information

Students should see the academic unit for available concentration and elective courses.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.  
 Academic Catalog Archive 2019-2020



Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- a complete Credential Assembly Service report, with all transcripts and letters of recommendation or evaluations
- the completed application, including explanations for affirmative answers to conduct, character and fitness questions
- LSAT scores from the Law School Admissions Council
- a personal statement that does not exceed two double-spaced, typed pages
- the required application fee
- a resume that does not exceed three typed pages

Additional Application Information

The Sandra Day O'Connor College of Law at Arizona State University enrolls only one first-year Juris Doctor class per year, and it enters in the fall semester. The Juris Doctor degree is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. Each year, far more applications are submitted to the Sandra Day O'Connor College of Law than the college's facilities and programs can accommodate. Thus, admission is competitive. The Sandra Day O'Connor College of Law makes its admission decisions based upon all information contained in the applicant's file.

To be considered for admission to the program, a candidate must complete the application for admission and submit all mandatory attachments. Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants must apply electronically through <https://www.lsac.org> (<https://www.lsac.org>).

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The Credential Assembly Service report must be from the current application year.

Students should refer to the program website for application deadlines.

**Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/sports-law-business>  
BCLS 558  
mslbasu@asu.edu  
480-965-0304

## Sports Law and Business, LL.M. (LWSLBLLM)

**Online Degree Search Title:** Laws (Sports Law and Business), LLM

**Campus:**

**Program Description:**

The sports law and business concentration under the LLM program provides real-world experience to aspiring professionals and future lawyers, teaching students how to approach and solve industry problems through the lens of sports by considering all regulatory, revenue, reputational and relationship factors involved in a given scenario. The program gives theoretical and practical knowledge and experience necessary for success at the nexus of sports and law.

**Degree Requirements:**

Concentration Courses (12 credit hours)  
LAW 675 Professional Sports Law (3) or  
LAW 676 Amateur Sports Law (3)  
non-JD SLB courses (6)  
sports-related internship, externship, advanced research (3)

Electives or Research (12 credit hours)  
LAW 670 Pro Sport Team Operations and Legal Issues (3) or

LAW 671 Sports Venue Construction: Legal and Financial Issues (3) or  
LAW 673 Risk Management for Venues in the Sports Industry (3) or  
LAW 674 NCAA Compliance, Infractions and Enforcement (3)  
LAW electives (9)

#### Additional Curriculum Information

Students should see the academic unit for elective course options.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- admission application for the program through Law Interactive (see the College of Law website)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Specific further requirements for admission to the concentration can be found on the Sandra Day O'Connor College of Law website

#### Contact Information:

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/sports-law-business>  
BCLS 558  
mslbasu@asu.edu  
480-965-0304

## Sports Law and Business, MLS (LWSLBMLS)

**Online Degree Search Title:** Legal Studies (Sports Law and Business), MLS

**Campus:**

#### Program Description:

The sports law and business concentration under the MLS program provides real-world experience to aspiring professionals and future lawyers, teaching them how to approach and solve industry problems through the lens of sports by considering all regulatory, revenue, reputational and relationship factors involved in a given scenario. The program gives the theoretical and practical knowledge and experience necessary for success at the nexus of sports and law.

#### Degree Requirements:

Required Core (6 credit hours)

LAW 581 U.S. Law and Legal Analysis (3)

LAW course from an approved list (3)

Concentration (9 credit hours)

LAW 675 Professional Sports Law (3) or LAW 676 Amateur Sports Law (3)

non-JD SLB courses (6)

Electives or Research (15 credit hours)

#### Additional Curriculum Information

Students should see the academic unit for elective course options.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in any field from an accredited four-year college or university in the United States or attained a comparable degree from a foreign institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- the completed MLS application form
- the required application fee
- a resume that does not exceed three typed pages
- a personal statement (typed, double-spaced) that does not exceed 1,250 words
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree was conferred
- two letters of recommendation
- a writing sample
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (<https://www.wes.org/> (<https://www.wes.org/>)) and meet the Graduate College and Sandra Day O'Connor College of Law English proficiency requirements.

Specific further requirements for admission to the concentration can be found on the Sandra Day O'Connor College of Law website

**Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/sports-law-business>  
BCLS 558  
mslbasu@asu.edu  
480-965-0304

## Sports Law and Business, MSLB (LWSLBMSLB)

**Online Degree Search Title:** Sports Law and Business, MSLB

**Campus:**

**Program Description:**

The Sandra Day O'Connor College of Law at Arizona State University offers a master's degree in sports law and business, in partnership with the W.P. Carey School of Business and in full cooperation with ASU's athletics department.

The MSLB program provides students with the training to understand the regulatory and revenue forces that drive the increasingly global sports industry: legal, policy, business, branding and marketing. The program uses a small class environment to deliver a problem- and project-based legal and business curriculum taught by recognized academic and professional leaders. That curriculum, together with an applied project, prepares students with the skills necessary to address the difficult issues present in the sports industry.

This unique graduate program can be completed on a full-time basis in a 12-month period or in two or fewer years for part-time students working in the field.

**Degree Requirements:**

36 credit hours including the required applied project course (SLB 593).

Required Core (24 credit hours)

SLB 510 Amateur Sports Law: MSLB (3)

SLB 511 Career Strategies and Business Communications in the Sports Industry (3)

SLB 512 Professional Sports Law: MSLB (3)

SLB 514 Negotiations and Alternative Dispute Resolutions in the Sports Industry (3)

SLB 515 Sports Business Strategies and Executive Decisions (3)

SLB 517 Marketing for Sports Organizations (3)

SLB 518 Sports Analytics (3)

SLB 581 U.S. Law and Legal Analysis Through Sport: MSLB (3) or LAW 519 Legal Method and Writing (3)

Electives or Research (9 credit hours)

Culminating Experience (3 credit hours)

SLB 593 Applied Project (3)

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

A minimum of a bachelor's degree is required from a regionally accredited four year college or university in the United States or a comparable degree from a foreign institution. Possible majors include but are not limited to the following:

- business (finance, accounting, marketing, etc.)
- communications
- journalism
- prelaw
- sports management or business

All applicants must submit:

- complete MSLB application for admission submitted through the Sandra Day O'Connor College of Law at <https://law.asu.edu/admissions/apply/mslb> (<https://law.asu.edu/admissions/apply/mslb>)
- application fee
- official transcripts
- resume that does not exceed three typed pages
- statement of interest that does not exceed 1,250 words (double-spaced, typed pages)
- two letters of recommendation
- writing sample no less than two typed pages
- explanations to affirmative answers to any conduct questions
- proof of English proficiency

Additional Application Information

A student whose native language is not English (regardless of current residency) must provide evidence of English proficiency as indicated by acceptable scores. Applicants should have a TOEFL score more than 600 (paper), 250 (computer), or 100 (internet). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper), 243 (computer) or 96 (internet) also are considered. ASU's institutional code is 4007.

Official transcripts from all postsecondary institutions of higher education attended must be submitted to the College of Law. An official transcript is a transcript certified by the issuing school and sent directly to ASU or delivered to ASU in a sealed envelope with a seal intact.

Applicants who have received undergraduate or graduate degrees from foreign institutions must have their transcripts evaluated by World Education Services, and WES must send that evaluation to the offices of the Sandra Day O'Connor College of Law.

Admission to the program is competitive. Selection is based on a variety of factors, including academic background and potential, diversity of experience and background, career experience and ambitions, space and resource limitations in the law school and other factors.

### **Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/>  
BCLS 420  
MSLBASU@asu.edu

## Trial Advocacy (Certificate), Certificate (LWTAGRCT)

**Online Degree Search Title:** Trial Advocacy (Graduate Certificate)

**Campus:** Downtown Phoenix

### Program Description:

The graduate certificate program in trial advocacy provides students interested in pursuing a career in criminal prosecution, criminal defense or civil litigation with a prescribed course of study to help prepare them for practice.

### Degree Requirements:

Required Core (6 credit hours)

LAW 602 Civil Procedure II (3) or LAW 604 Criminal Procedure (3)

LAW 605 Evidence (3)

Alternative Dispute Resolution Requirement (2 credit hours)

Litigation Requirement (3 credit hours)

Electives (4 credit hours)

Other requirements

practical experience in client representation

Additional Curriculum Information

For the Alternative Dispute Resolution requirement, students must complete a minimum of 2 credit hours from the Alternative Dispute Resolution requirement course list.

For the Litigation requirements, students must complete a minimum of 3 credit hours from the Litigation requirement course list.

Students must gain practical experience in client representation by completing one of the following while maintaining continuous enrollment:

- Completion of a Rule 38 externship or
- Pro Bono service --- minimum of 50 hours working with an approved legal services organization or
- Representation of the College of Law in a regional, national or international Moot Court Competition

### Admission Requirements:

Applicants must fulfill the requirements of the both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants must be existing JD program students who are currently enrolled in coursework and in good academic standing with the ASU College of Law.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- admission application for the certificate program through Law Interactive. Applicants should refer to the College of Law website.
- proof of English proficiency

## Additional Application Information

Any applicant whose native language is not English (regardless of country of residency) must provide proof of English proficiency.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

### Contact Information:

Law, Sandra Day O'Connor College of  
College of Law Dean's Office  
<https://law.asu.edu/degree-programs/programs/trial-advocacy>  
BCLS 456  
trialadvocacy@asu.edu  
480-965-7359

## Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)

**Online Degree Search Title:** Tribal Policy, Law, and Government, LLM

**Campus:** Downtown Phoenix

### Program Description:

The LLM program in tribal policy, law and government is designed for lawyers and law school graduates who desire to work on issues related to tribal law and federal Indian law at the professional and academic levels. The Sandra Day O'Connor College of Law is a leading institution in producing graduates specializing in Indian law. The College of Law is also home to the nationally known Indian Legal Program, established in 1988.

The program provides students with a detailed understanding of the nature of tribal government and of law and policy development within the domestic federal structure. Candidates benefit from the extensive resources committed to the Indian legal program, including a director and staff and an Indian law clinic with its own full-time director and staff.

The core curricular offerings focus on domestic tribal law, federal Indian law and American institutions of law and government. The program explores the expression of domestic law within contemporary administrative, governmental and judicial institutions.

ASU is located in the heart of the southwestern U.S., home to roughly one-third of the native population in the U.S. and where many of the largest Indian nations in the country are located. The university is the academic home for several nationally known scholars who do research on American Indian issues, and it houses many unique resources for such scholarship, including the Labriola Collection at Hayden Library.

### Degree Requirements:

The program is administered by the Indian Legal Program and is oriented toward students who seek practical experience in tribal law and federal Indian law. It provides intensive instruction to students who graduated from a law school that had few or no courses in Indian law and who now seek to practice in these areas at a professional level. This degree program requires a minimum of 24 credit hours of study. A thesis is not required.

Students immerse themselves in the study of tribal law and federal Indian law and apply the knowledge and experience they gain through the practical component of the degree program which may consist of research projects for tribal courts and governments; state, tribal and federal court practice; and tribal code drafting.

Graduates are well-equipped for professional positions that require knowledge and expertise in tribal law and federal Indian law. Students have the option of pursuing the degree on a part-time basis.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and College of Law English proficiency requirements.

Admission to the program is competitive. In order to be admitted, an applicant must have completed a JD degree or law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program.

Selection will be based on academic background and potential, career experience and ambitions, diversity of experience and background, space and resource limitations in the law school, and the applicant's strength of experience related to the program sought, as well as other factors.

Applicants are encouraged to apply electronically through <https://www.lsac.org> (<https://www.lsac.org>). For an application to be considered complete, it must include the following:

- the completed LLM application form
- the required application fee
- a resume that does not exceed three, typed pages
- a statement of interest that does not exceed 1,250 words, typed and double-spaced
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred
- two letters of recommendation
- a writing sample

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and are provided to the ASU College of Law by LSAC.

Students should see the program website for application deadlines.

**Contact Information:**

Law, Sandra Day O'Connor College of  
 Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/llm>  
 BCLS 420  
 llmasu@asu.edu  
 480-965-1474

## Liberal Arts & Sciences, The College of

### Actuarial Science, MS (LAACTMS)

**Online Degree Search Title:** Actuarial Science, MS

**Campus:** Tempe

**Program Description:**

The MS program in actuarial science is designed to allow students to advance their knowledge base by applying mathematical and statistical concepts and data analytics to the disciplines of risk management, finance and insurance. It also includes a new focused set of professional learning outcomes aligned with the needs of the ever-evolving insurance industry, while keeping the core technical learning outcomes in place. These guide students' development of professional competencies through coursework, independent projects and opportunities outside of the classroom, while remaining firmly based on a strong foundation of scholarly technical work in actuarial science. The program emphasizes broad awareness and appreciation of current issues faced by insurance industry practitioners as well as innovative resolutions provided by actuaries.

Actuaries must pass a series of intensive professional exams to become credentialed. This degree program not only prepares graduates for the examinations required to become credentialed professionals by the Society of Actuaries or Casualty Actuarial Society, but also will make them competitive employees in the insurance and finance industries.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Actuarial Science, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including an applied project (ACT 593).

Required Core (6 credit hours)

ACT 560 Advanced Data Analytics in Insurance I (3)

ACT 561 Advanced Data analytics in Insurance II (3)

Electives or Research (21 credit hours)

Culminating Experience (3 credit hours)

ACT 593 Applied Project (3)

#### Additional Curriculum Information

For electives and research, students select seven courses from an approved list. Students should see the academic unit for the approved course list. Other courses may be used with approval of the academic unit.

Only six credit hours of 400-level coursework is allowed on the plan of study per Graduate College policy.

#### Admission Requirements:

An applicant must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as mathematics, statistics, business, economics and predictive analytics.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- GRE scores
- two letters of recommendation
- professional resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should have completed the following courses with a "B" or better (scale is 4.00 = "A"). ASU equivalents are given in parenthesis. Courses may be substituted with approval of the academic unit:

Linear Algebra (MAT 342 or MAT 343)

Calculus Sequence 1-3 (MAT 270, 271, and MAT 272)

Applied Statistics (STP 420)

Advanced Calculus (MAT 370 or MAT 371)

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/degrees/graduate/actuarial-science-ms>  
WXLR A216  
grad.math@asu.edu  
480-965-3951

### Addiction and Substance-Use Related Disorders (certificate), Certificate (LAASRDGRCT)

**Online Degree Search Title:** Addiction and Substance-Use Related Disorders (Graduate Certificate)

**Campus:** Online

#### Program Description:



There is growing demand for professionals who understand the needs, issues and treatment approaches for individuals suffering from addiction and substance use disorders. The certificate program in addiction and substance-use related disorders is valuable for those in counseling, social work, psychology, medicine and various fields of therapy who provide services to individuals and families suffering from addiction and substance use disorders. This program meets all of the curricular requirements of the Arizona State Board of Behavioral Health Examiners for licensure in substance abuse counseling, as well as national certification requirements.

**Degree Requirements:**

Required Core (18 credit hours)

PSY 570 Psychopharmacology (3)

PSY 601 Addiction and Substance Abuse: Assessment and Diagnosis (3)

PSY 602 Comorbidity in Substance Use Related Problems (3)

PSY 603 Evidence-Based Interventions for Substance Use Related Problems (3)

PSY 604 Multicultural Issues Related to Substance Use Related Problems (3)

PSY 605 Group Therapy for Substance Use-Related Problems (3)

Other Requirements (3)

PSY 591 Topic: Ethics (3)

Additional Curriculum Information

This graduate certificate meets all seven of the core content curricular requirements for the Arizona State Board of Behavioral Health Examiners for students interested in pursuing licensure in substance abuse counseling. In addition, the course is in compliance with national certification curriculum guidelines.

PSY 591 can be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health, behavioral health or counseling-related field, from a regionally accredited institution or an equivalent degree from an international institution that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- curriculum vitae or resume
- one letter or recommendation
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/addiction-and-substance-use-related-disorders-graduate-certificate/>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/>  
PSY 230  
addictioncert@asu.edu  
480-965-7598

## African Studies (certificate), Certificate (LAAFRICACE)

**Online Degree Search Title:** African Studies (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate program in African studies focuses on interdisciplinary study of the peoples, history and cultures of Africa and the multifaceted experiences of people of African descent in Europe and the Americas. Students gain access to an extensive range of information and systematic knowledge committed to the new model of African and African diaspora studies that focuses on the intersections of race, culture and gender with transdisciplinary perspectives.

Courses examine interdisciplinary approaches to studying race, ethnicity, social justice, gender, citizenship and economic development. As this certificate program offers students an international dimension to the study of peoples and cultures of African descent, students invigorate their knowledge about global issues and further expand their research pursuits. This certificate program characterizes the faculty members' intellectual and research strengths and the curriculum's transdisciplinary strategies and research approaches that highlight the continuities and disjuncture of history and experiences throughout Africa and the diaspora.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

AFR 502 Africa and African Diaspora World (3)

Electives (12 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students who are not regularly admitted to a graduate degree program may still pursue the certificate.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program. When applicable, applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in a master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Official copies of transcripts must be submitted from all college and universities where the applicant earned a bachelor's or master's degree.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/node/315>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)

**Online Degree Search Title:** American Indian Studies (Cultural Resource Revitalization and Sust), MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The MS in American Indian studies is a transdisciplinary program that results in students having an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students acquire problem-solving skills useful in a range of professional arenas, including governmental, private and nonprofit agencies. The focus of this curriculum is on languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies paradigm perspective. Delivery is mainly through in-person courses.

The cultural resource revitalization and sustainability concentration explores the development and implementation of American Indian-focused cultural resources management processes and analyze how policies and laws can improve or hinder the protection of American Indian cultural and funerary patrimony.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)

AIS 501 American Indian Studies Paradigms (3)

AIS 502 American Indian Studies Research Methods (3)

AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)

AIS 599 or AIS 580 Thesis or Applied Project (6)

Additional Curriculum Information

Students may select a thesis or nonthesis option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students will complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

#### Contact Information:

Liberal Arts & Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>  
DISCOVERY 356  
aisgradadvising@asu.edu  
480-965-3634

## American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)

**Online Degree Search Title:** American Indian Studies (Indigenous Rights and Social Justice), MS

**Campus:** Tempe

#### Program Description:

The MS in American Indian studies is a transdisciplinary program that provides students with an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students acquire problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies.

The program focuses on languages, cultures, the arts, activism, histories, legal policies and education from an American Indian studies paradigm and perspective. Delivery is in-person courses.

The indigenous rights and social justice concentration explores the historical dimensions of colonization on American Indian political, economic and cultural institutions. Students analyze the legal, political and social implications of American Indian relationships with federal, state and local governments and investigate processes that American Indian nations and community members use to strategize and work toward social justice and indigenous rights.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

American Indian Studies, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)

AIS 501 American Indian Studies Paradigms (3)

AIS 502 American Indian Studies Research Methods (3)

AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)

AIS 580 Practicum (6) or

AIS 599 Thesis (6)

Additional Curriculum Information

Students may select a thesis or nonthesis option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students will complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>  
DISCOVERY 356  
[aisgradadvising@asu.edu](mailto:aisgradadvising@asu.edu)  
480-965-3634

## American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)

**Online Degree Search Title:** American Indian Studies (Tribal Leadership and Governance), MS

**Campus:** Tempe

**Program Description:**

The MS in American Indian studies is a transdisciplinary program that provides students with an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students acquire problem-solving skills useful in a range of professional arenas, including governmental, private and nonprofit agencies.

The program focuses on languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies paradigm and perspective. Delivery is through in-person courses.

The tribal leadership and governance concentration explores traditional and modern concepts of Indian education leadership, tribal government leadership, tribal governments, decision-making and legislation, constitutional reform, planning, economic development, community development, nation rebuilding, tribal courts, administration and planning.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Public Administration - Downtown Phoenix, MPA

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

American Indian Studies, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)

AIS 501 American Indian Studies Paradigms (3)

AIS 502 American Indian Studies Research Methods (3)

AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)

AIS 580 Practicum (6) or

AIS 599 Thesis (6)

Additional Curriculum Information

Students may select a thesis or nonthesis option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students will complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>  
DISCOVERY 356  
[aisgradadvising@asu.edu](mailto:aisgradadvising@asu.edu)  
480-965-3634

## American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)

**Online Degree Search Title:** American Indian Studies (Visual and Oral Culture), MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### Program Description:

The MS in American Indian studies is a transdisciplinary program that results in students having an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students gain problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies. The program focuses on the languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies perspective. Delivery is through in-person courses.

The visual and oral culture concentration explores and contributes to American Indian culture and history as it exists in visual, material and written forms through creative writing, literature, poetry, film, photography, performing arts, digital arts, oral tradition, and history and communication from an American Indian studies paradigm.

### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)

AIS 501 American Indian Studies Paradigms (3)

AIS 502 American Indian Studies Research Methods (3)

AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)

AIS 580 Practicum (6) or

AIS 599 Thesis (6)

Additional Curriculum Information

For concentration and electives options, students should see the academic unit for approved courses.

Students will select a thesis or nonthesis option. Both are research projects, but the applied project is more applied in nature. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students will complete a practicum project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial-level position within an organization or agency.

The required core classes emphasize the knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, indigenous rights and social justice, cultural resource revitalization, and sustainability or tribal leadership and governance.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should

visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>  
DISCOVERY 356  
aisgradadvising@asu.edu  
480-965-3634

## American Media and Popular Culture, MAS (LAAMPCMAS)

**Online Degree Search Title:** Film and Media Studies, MAS

**Campus:** Online

This program's name has changed effective Fall 2019. The previous name was American Media and Popular Culture.

**Program Description:**

The MAS program in film and media studies features innovative approaches to the study of film, television and digital media using historic methods, critical theory and creative expression as modes of analysis. Delivered exclusively online, the program explores the aesthetic, industrial, social and cultural dimensions of American media production within a dynamic, interactive and flexible learning environment.

The program offers students skill development in media analysis, screenwriting and industry practices for film, television and digital platforms. Students conclude the program with a critical media education across a wide range of texts and platforms.

**Degree Requirements:**

30 credit hours and a written comprehensive exam.

Required Core (9 credit hours)

FMS 502 Hollywood Film Historiography (3)

FMS 504 Film Analysis (3)

FMS 520 Cultural History of US Television: Theory and Method (3)

Electives (21 credit hours)

Culminating Experience (0 credit hours)

written comprehensive exam

Additional Curriculum Information

The program consists of nine credit hours of core courses, 21 credit hours of electives and a written comprehensive exam. Students should review the webpage and then consult the director.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- letters of recommendation (optional)
- application essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see



the Department of English website for specific details about English proficiency requirements.

The two-page statement of purpose should describe past academic work, reasons for pursuing the Master of Advanced Study, and the skills that prepare the applicant for this degree.

Applicants will be asked to write and submit a three-page essay that assesses their knowledge of media theory and critical analysis skills. The subject of the essay will be given in the online application. Applicants should demonstrate the ability to write well and construct a persuasive critical argument. Appropriate secondary sources should be used in this essay.

While letters of recommendation are optional, applicants may include two or three letters in their application. Recommenders should be former teachers or supervisors, addressing the applicant's academic performance, motivation and character.

An interview via Skype may be requested before final admission decisions are made.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-american-media-and-popular-culture/>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/masters-film-media>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## American Studies, MA (LAAMSTMA)

**Online Degree Search Title:** American Studies, MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

American studies is constituted by a multi- and transdisciplinary inquiry into the communities and cultures, values and ideologies, and social formations and institutions of the United States. American studies scholars seek to evaluate the processes and ideas that inform this country and its influences upon other cultures and communities, domestically and abroad.

While the array of disciplines spans the arts, humanities and social sciences, the expertise of our faculty at ASU covers a broad range of historical, literary and media studies, as well as interdisciplinary and community-based approaches. The master's degree students are trained to expand their understanding of the history of American cultures and social conditions while learning the critical contexts for understanding contemporary trends in North America. The master's degree provides students with an advanced analytic foundation in American culture and society in all its variety and complexity.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AMS 593).

Required Core (3 credit hours)

AMS 502 American Studies: Theory and Method (3)

Electives or Research (21 - 24 credit hours)

Culminating Experience (3 or 6 credit hours)

AMS 593 Applied Project (3) or

AMS 599 Thesis (6)

Additional Curriculum Information

For electives or research, students should see the academic unit for the approved course list. Students choose 21 credit hours for the thesis option or 24 for the applied project option.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.  
Academic Catalog Archive 2019-2020

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants holding a bachelor's or master's degree in American studies or a closely related field are preferred.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- writing sample
- curriculum vitae
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The history program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

The writing sample may be an article (published or unpublished), a research paper, a seminar paper, or any other extended sample of expository skill. A minimum of 4,000 to 5,000 words is required. The document should not be password protected.

The statement of purpose should be addressed to the American Studies Graduate Studies Committee. It must explain the applicant's scholarly background and training, career goals, the area of study the applicant wishes to pursue, and why the applicant wants to pursue graduate study at ASU. It must be about 500 words in length.

Two references are required. Applicants should contact faculty or professional supervisors they intend to use for references prior to listing them on the application, and inform the intended recommenders that they will be receiving an email from the ASU American studies program asking them to complete a questionnaire and provide comments on the applicant's suitability for graduate study. Updated email addresses for references should be confirmed before submitting them on the application. References from family members or relations are not recommended.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/content/american-studies-ma>  
COOR 4595  
SHPRSGradinfo@asu.edu  
480-965-5778

## Animal Behavior, PHD (LAANBPHD)

**Online Degree Search Title:** Animal Behavior, PhD

**Campus:** Tempe

**Program Description:**

The PhD in animal behavior is a transdisciplinary graduate degree program that provides doctoral-level training in mechanistic and functional approaches to understanding behavior in a variety of animal taxa.

The study of behavior is at the interface of several scientific disciplines, including physiology, ecology and evolution. This program offers the diverse but specialized array of skills and knowledge needed to produce excellent research in animal behavior.

Students gain knowledge and skills with applied scientific value in areas such as veterinary science and mental and behavioral health in humans. The ecological focus of the program feeds into local, state and global priorities in biological conservation and ecosystem sustainability.

**Degree Requirements:**

84 credit hours, a prospectus and a dissertation.

Required Core (8 credit hours)

ANB 601 Research Strategies in Animal Behavior (4)

ANB 602 Current Issues in Animal Behavior (4)

Electives (21 credit hours)

The department and the student's advisor determine these courses in conjunction with the student.

Research (43 credit hours)

Culminating Experience (12 credit hours)

Dissertation (12)

Additional Curriculum Information

Core courses ANB 601 and ANB 602 are one credit hour courses, each taken four times.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admissions application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/degrees/grad/animal-behavior-phd>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## Anthropology, PHD (LAANTHRPHD)

**Online Degree Search Title:** Anthropology, PhD

**Campus:** Tempe

**Program Description:**

The School of Human Evolution and Social Change is an excellent choice for students interested in pursuing a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study in order to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology

- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but also to finding solutions to humankind's greatest challenges.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hours required for the doctorate. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (scale is 4.00 = "A") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Undergraduate coursework in anthropology is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants also may submit with their application materials an optional scholarly writing sample not to exceed 20 to 30 double-spaced pages.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/anthropology-phd>  
 SHESC 233  
 shesc.grad@asu.edu  
 480-965-6215

## **Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)**

**Online Degree Search Title:** Anthropology (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

#### **Program Description:**

The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but to finding solutions to humankind's greatest challenges.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree program. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctoral degree program.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, 12 credit hours will be selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study and they typically will have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Undergraduate coursework in anthropology is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/anthropology-phd/cass>  
 SHESC 233  
 shesc.grad@asu.edu  
 480-965-6215

## Anthropology (Urbanism), PHD (LAURBPHD)

**Online Degree Search Title:** Anthropology (Urbanism), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but to finding solutions to humankind's greatest challenges.

The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the

doctorate. This leaves 30 credit hours of coursework, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (scale is 4.00 = "A") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism. These courses will include the core urbanism course, GCU 516, as well as one course from each of the four urbanism clusters. These clusters are:

- built form
- culture and society
- institutions and governance
- natural environment

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Undergraduate coursework in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants may submit an optional scholarly writing sample, not to exceed 20-30 double-spaced pages, to be included in their application materials.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## **Applied Behavior Analysis, MS (LAAPBAMS)**

**Online Degree Search Title:** Applied Behavior Analysis, MS

**Campus:** Tempe

#### **Program Description:**

Offered by the Department of Psychology, this MS program in applied behavior analysis is a full-time, scientifically based, two-year program that meets the Behavior Analyst Certification Board fourth edition task list for coursework with more than 270 classroom hours and 1,500 hours of supervised practicum fieldwork. Successful graduates are able to sit for BACB certification and once certified, they will be eligible for state-licensure. The program's learning outcomes include mastery across three major areas as identified by the BACB: basic behavior-analytic skills, client-centered responsibilities and foundational knowledge.

Applied behavior analysis training in the Department of Psychology at ASU includes supervised experience and instruction in:  
Academic Catalog Archive 2019-2020

- behavior analytic attitudes such as determinism, empiricism and parsimony
- fundamental elements of behavior change and behavior change procedures
- identification, assessments and interventions for behavioral excesses, deficiencies and challenging behavior
- professional ethics and conduct of ABA
- training others in the science and practice of ABA
- use of different behavioral measurement types and systems
- use of experimental designs to determine relationships among and between measurement, relevant variables and behavior

**Degree Requirements:**

42 Credit hours including the required applied project course (PSB 593).

Required Core (24 credit hours)

PSB 501 Basic Principles of Applied Behavior Analysis (3)

PSB 510 Basic Principles of Experimental Analysis of Behavior (2)

PSB 511 Advanced Research Methods (2)

PSB 520 Ethical Issues and Professional Standards in Applied Behavior Analysis (3)

PSB 530 Behavioral Observation and Functional Assessment (3)

PSB 540 Development of Applied Behavioral Intervention Programs (3)

PSB 563 Basic Principles of Organizational Behavior Management (2)

PSB 573 Advanced Principles of Learning and Analysis of Behavior (3)

PSB 578 Applied Behavior Analysis in Developmental Disorders (3)

Electives or Research (4 credit hours)

PSB 591 Seminar (2)

PSB 598 Special Topics (2)

Other Requirements (9 credit hours)

PSB 580 Practicum: Applied Behavior Analysis (4)

PSB 583 Fieldwork: Applied Behavior Analysis (5)

Culminating Experience (5 credit hours)

PSB 593 Applied Project (5)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in psychology, human development, sociology or a closely related field from a regionally accredited institution.



Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- SlideRoom application and fee
- official transcripts
- statement of purpose form
- applicant response form
- curriculum vitae or resume
- GRE scores
- two academic letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to the Department of Psychology Master of Science program in applied behavioral analysis is also completed via SlideRoom to process supplemental application materials. The SlideRoom account requires an additional fee. To apply to the program, students must follow the instructions on the applied behavioral analysis admission checklist.

It is strongly recommended that applicants download and print the Master of Science in applied behavioral analysis admission checklist to ensure completion of the application process and inclusion of all the required supplemental forms.

The statement of purpose form should describe professional and academic aspirations.

Applicants must submit two academic letters of recommendation, one of which should be from a tenure-track faculty member associated with the applicant's most recent degree program. If the applicant's graduation year is greater than five years from the application date, then a letter from a recent or current employer may be substituted.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/master-science-applied-behavior-analysis>  
PSY 243  
msabapsych@asu.edu  
480-727-5024

## Applied Linguistics, PHD (EDAPLPHD)

**Online Degree Search Title:** Applied Linguistics, PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

Applied linguistics combines research topics in the linguistics sciences and education to pursue principled approaches to language-related concerns. The applied linguistics PhD program is focused on simultaneous and developmental bilingualism in children and adolescents. Faculty participate in the program from within multiple curricular units across the institution's four campuses. The program encourages transdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for entrance into the field as teachers, scholars and professionals.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

**Foundation Coursework (18 credit hours)**

Overview of the Field: A three-credit course providing a survey of the field of applied linguistics is required. (3)

Linguistics: Coursework in theoretical linguistics, including one approved linguistics elective, is required. (15)

**Teaching Internship (1 credit hour)****Colloquia (8 credit hours)**

A four-semester sequence of two-credit colloquium meetings is required for students in the first two years.

**Research Methods (6 credit hours)**

Students must take two courses in research methods, selected in consultation with the advisor.

**Research Specialization (33 credit hours)**

In consultation with the program director, students take 11 three-credit courses in their field of specialization.

**Breadth (6 credit hours)**

Two courses in a secondary concentration area are required.

**Dissertation (12 credit hours)****Additional Curriculum Information**

An oral defense of the dissertation is required.

There must be a minimum of 54 credit hours beyond the master's degree level, including a minimum of 12 units of dissertation credit. All students in the program must satisfy 18 credit hours of foundation coursework.

Because applied linguistics is transdisciplinary in nature, applicants may differ from one another with regard to their prior experience and preparation. For instance, while some applicants may have substantial prior training in core theoretical linguistics (foundations) others may have considerable preparation in an area related to a supported concentration. Students should consult the program director for assistance in planning their degree programs. The program director may address potential redundancies in a student's program requirements with prior academic preparation by allocating a maximum of 30 credit hours from an awarded and approved graduate degree toward the applied linguistics program requirements, or the director may permit the student to take additional elective courses in lieu of introductory courses covered in an undergraduate program.

**Language Requirement:** Students in the applied linguistics doctoral program must demonstrate proficiency in a second language equivalent to two years of study. A language appropriate to the student's area of interest is selected in consultation with the advisor. The language requirement must be satisfied, by examination or coursework, prior to advancement to candidacy. Computer or other nonhuman languages may not be used to satisfy this requirement. Students for whom English is a second language may use their first language to satisfy the requirement by examination. Course credit used to satisfy the language requirement cannot be used to satisfy other program requirements and cannot be counted toward the total required 84 credit hours.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- GRE general test scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/node/242>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## Applied Mathematics, PHD (LAAPMPHD)

**Online Degree Search Title:** Applied Mathematics, PhD

**Campus:** Tempe

#### Program Description:

This PhD program in applied mathematics is intended for students with superior computational and mathematical modeling ability. It emphasizes a solid mathematical foundation and promotes creative scholarship in an application discipline. The School of Mathematical and Statistical Sciences at Arizona State University has faculty in applied mathematics with outstanding transdisciplinary research programs with strong external funding.

Current research interests include mathematical epidemiology and mathematical ecology, mathematical neuroscience, environmental fluid dynamics and high performance computing, imaging and inverse problems, supply chain dynamics, control and optimization, computational methods for ordinary and partial differential equations, analysis of differential equations, and geophysical and environmental fluid dynamics.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

five core courses (15)  
MAT 591 Seminar (3)  
MAT 799 Dissertation (12)

Students must pass a written comprehensive examination and an oral dissertation prospectus. Each student must write a dissertation and defend it orally in front of five dissertation committee members. Students should see the department website for examination information.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, applied mathematics, economics, engineering or a natural science from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Additional eligibility requirements include:

- be competitive in an applicant pool as evidenced by coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371)
- have scientific programming skills (desirable)

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/degrees/graduate/applied-mathematics-phd>  
WXLR A216  
grad.math@asu.edu  
480-965-3951

## Applied Mathematics for the Life & Social Sciences, PHD (LAAMPLPHD)

**Online Degree Search Title:** Applied Mathematics for the Life and Social Sciences, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in applied mathematics for the life and social sciences focuses on training researchers to analyze scientific questions at the intersection of the mathematical, life and social sciences. Graduates of the program make innovative and far-reaching scientific contributions that rely on cutting-edge computational mathematical and modeling approaches.

This program focuses on producing quantitative scientists and applied mathematicians conducting high-level, transdisciplinary research. The faculty include mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University.

There is a high demand for first-rate scientists, researchers and faculty interested in meeting the challenges faced by communities in the 21st century. Institutional research and planning programs create space and opportunity to address such challenges on a global scale. The health, environmental and natural resource challenges in Arizona and the nation are urgently in need of a large pool of researchers with these transdisciplinary skills.

There are three tracks a student can follow. Applied mathematics is a more in-depth focus on the tools applied to the life and social sciences, such as dynamical systems, computational and numerical methods, simulation and mathematical analysis. Life sciences focuses on understanding the tools for representing the structure and operation of complex biological and ecological processes. Social sciences focuses on understanding the tools for representing the structure and operation of complex social systems and processes.

By offering courses that enhance transdisciplinary exchanges and collaboration among faculty and students interested in addressing questions of social relevance, the program builds upon foundations already established in:

- bioinformatics
- computational sciences
- ecology
- genomics
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science fields

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

AML 610 Topics in Applied Mathematics for the Life and Social Sciences (3)

AML 612 Applied Mathematics for the Life and Social Sciences Modeling Seminar (3)

Other Requirements (15 credit hours)

ASM, AML or BIO: courses in evolution, ecology or social sciences (400 level or above) (3)\*

one graduate-level course in biostatistics (3)\*

one graduate-level School of Mathematical and Statistical Sciences course approved by graduate chair (3)

APM, AML, MAT 590 or 790 Reading and Conference (6)

\*Substitution courses may be acceptable with approval of director.

Electives (39 credit hours)

See the Additional Curriculum Information section below.

Research (12 credit hours)  
AML 592 or 792 Research (12)

Culminating Experience (12 credit hours)  
AML 799 Dissertation (12)

#### Additional Curriculum Information

Electives must include six credit hours of life science and six credit hours of social sciences.

Courses (beyond the 15 credit hour requirement) from the Other Requirements section may be used as electives.

Students must register for research credit (AML 592 or 792) supported by their participation in one of two summer programs, Mathematical and Theoretical Biology Institute or J. Bustoz Math-Science Honors Program, sponsored by the Simon A. Levin Mathematical, Computational and Modeling Sciences Center. Up to three credit hours of research per summer may be applied based on hours and level of participation with approval from the graduate chair and the summer program director.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives to reach the required 84 credit hours.

All students must maintain a 3.20 (scale is 4.00 = "A") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. A master's degree in the social sciences (e.g., anthropology, gender studies, geography, sociology), life sciences or related fields (e.g., biology, ecology, genomics), applied mathematics, mathematics or statistics is preferred.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample of 20 to 30 double-spaced pages, to be included in their application materials.

Prior to admission, students should have completed, at the undergraduate junior or senior level, a minimum of the following:

- 15 credit hours of mathematics or statistics
- nine credit hours of life sciences and social sciences coursework at the senior or college graduate level
- no fewer than three credit hours each of life sciences and social sciences coursework

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/applied-mathematics-life-and-social-sciences-phd>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

**Online Degree Search Title:** Applied Math for the Life and Social Sciences (Complex Adaptive Sys Science), PhD

**Campus:** Tempe

**Program Description:**

The PhD program in applied mathematics for the life and social sciences focuses on training researchers to analyze scientific questions at the intersection of the mathematical, life and social sciences. Graduates of the program make innovative and far-reaching scientific contributions that rely on the cutting-edge computational mathematical and modeling approaches.

This program focuses on producing quantitative scientists and applied mathematicians who conduct high-level transdisciplinary research. The program's faculty include mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University.

There is a high demand for first-rate scientists, researchers and faculty interested in meeting the challenges faced by communities in the 21st century. Institutional research and planning programs create space and opportunity to address such challenges on a global scale. The health, environmental and natural resource challenges in Arizona and the nation are urgently in need of a large pool of researchers with these transdisciplinary skills.

There are three tracks a student can follow. Applied mathematics is a more in-depth focus on the tools applied to the life and social sciences, such as dynamical systems, computational and numerical methods, simulation and mathematical analysis. Life sciences focuses on understanding the tools for representing the structure and operation of complex biological and ecological processes. Social sciences focuses on understanding the tools for representing the structure and operation of complex social systems and processes.

By offering courses that enhance transdisciplinary exchanges and collaboration among the faculty and students interested in addressing questions of social relevance, the program builds upon foundations already established in:

- bioinformatics
- computational sciences
- ecology
- genomics
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science fields

The complex adaptive systems science concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

AML 610 Topics in Applied Mathematics for the Life and Social Sciences (3)

AML 612 Applied Mathematics for the Life and Social Sciences Modeling Seminar (3)

Concentration Courses (6 credit hours)

ASM 570 Fundamentals of CAS Science (3) or BIO 570 Fundamentals of CAS Science (3)

Complex Adaptive Systems Science approaches class (3)

Restricted Electives (12 credit hours)

biostatistics course (3)

numerical analysis course (3)

life sciences and social sciences (6)

Electives (36 credit hours)

Research (12 credit hours)

AML 592/792 Research (12)

Culminating Experience (12 credit hours)

## AML 799 Dissertation (12)

### Additional Curriculum Information

Students should see the academic unit for a complete list of complex adaptive systems sciences approaches courses required for the concentration.

For required research, other XXX 592/792 Research course may be substituted with academic unit approval.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives to reach the required 84 credit hours.

Students entering the program without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctoral program.

All students must maintain a 3.20 (scale is 4.00 = "A") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. A master's degree in the social sciences (e.g., anthropology, sociology, gender studies or geography), life sciences or related fields (e.g., biology, genomics or ecology), applied mathematics, mathematics or statistics is preferred.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample of 20 to 30 double-spaced pages, to be included in their application materials.

Prior to admission, students should have completed at the undergraduate junior or senior level a minimum of the following:

- 15 credit hours of mathematics or statistics
- nine credit hours of life sciences and social sciences coursework at the senior or college graduate level
- no fewer than three credit hours each of life sciences and social sciences coursework

### Contact Information:

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/applied-mathematics-life-and-social-sciences-phd/cass>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## Applied Prevention Science (Certificate), Certificate (LAAPSGRCT)

**Online Degree Search Title:** Applied Prevention Science (Graduate Certificate)

**Campus:** Tempe, Online

### Program Description:

There is growing demand for professionals who understand the challenges, opportunities and the service approaches that can promote healthy

development, including in the social, emotional and interpersonal domains. Relatedly, there is a pressing need to train individuals as professionals who can prevent mental illness and their sequelae. The certificate program in applied prevention science is valuable for those aspiring to work in fields that provide services to children and families across diverse settings such as schools, courts, community health centers and mental health agencies, child welfare, home visiting programs, foster care services, and tribal behavioral health.

#### **Degree Requirements:**

Required Core (15 credit hours)

PSY 563 Prevention Planning and Evaluation in Service Settings (3)

PSY 564 Prevention Education, Communication and Service Delivery (3)

PSY 567 Prevention Organization and Community Change (3)

PSY 569 Professional Ethics, Growth and Responsibility in Prevention (3)

PSY 678 Preventive Psychosocial Interventions that Work (3)

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or in any health, mental health, or counseling-related field, from a regionally accredited institution or an equivalent degree from an international institution that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students who need an F1 or J1 visa will need first to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/applied-prevention-science-graduate-certificate/>)

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/>  
PSY 162  
prevention@asu.edu  
480-727-7082

## **Asian Languages and Civilizations (Chinese), MA (LACHINAMA)**

**Online Degree Search Title:** Asian Languages/Civilizations (Chinese), MA  
Academic Catalog Archive 2019-2020



**Campus:** Tempe

**Program Description:**

The Chinese graduate program in the School of International Letters and Cultures offers an MA degree with a focus in one of two areas: either literature, linguistics, religion and culture; or pedagogy.

A focus on literature, linguistics, religion and culture prepares students for further academic training, for entrance to professional schools in such fields as law, business, journalism and translation, and for a general level of knowledge about the languages and cultures of China as an asset to a professional career. The pedagogy focus is intended for students whose major interest is in teaching modern Chinese in K-16 environments.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (CHI 593).

The plan of study for the master's degree includes a minimum of 30 credit hours of graduate-level work as approved by the candidate's supervisory committee, a thesis or an applied project option. The plan must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine credit hours of advanced-level work in another language or in closely related courses may be included in the plan. Students who are primarily interested in teaching at the secondary or community college levels may select a plan of study with a focus in language pedagogy.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Chinese or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The writing sample should represent the applicant's thinking and writing skills on a topic connected with Chinese culture.

Candidates for the master's degree should present the equivalent of an undergraduate major in Chinese upon entrance to the program. Those who lack this background but show strong potential and meet the Graduate College admission requirements, including those with regard to English proficiency, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/ALC-MA>  
LL 440  
silc@asu.edu  
480-965-6281

**Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)**

**Online Degree Search Title:** Asian Languages/Civilizations (Japanese), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The Asian languages faculty in the School of International Letters and Cultures offer a graduate program leading to an MA in Asian languages and civilizations with a concentration in Japanese.

In addition to preparing students for further academic training, the program helps to prepare students for jobs relating to Japan, in fields such as law, business, journalism and translation, and for entrance into professional schools.

Students who see higher-level understanding of the language and culture Japan as a valuable asset to a professional career are an ideal fit for this program as are students who want to pursue doctoral studies in the same or a closely related field.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (JPN 593).

The plan of study for the Master of Arts includes a minimum of 30 credit hours of graduate-level work and a thesis, as approved by the candidate's supervisory committee, or 27 credit hours of coursework and three credit hours of applied project. The plan must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine hours of advanced-level work in another language or in closely related courses may be included in the plan.

Students who are primarily interested in teaching at the secondary or community college levels may select a plan of study with an area of study in language pedagogy. Students seeking a master's degree in Asian languages and civilization should consult their Graduate College representative. In keeping with the idea of in-situ experience as a key ingredient for advanced intellectual understanding, all degree candidates must have spent at least nine continuous months in a Japanese language environment within four years of entering the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in Japanese or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- writing sample
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The writing sample should represent the applicant's thinking and writing skills on a topic connected with Japanese culture. The personal statement should highlight the applicant's motivations and skills and indicate why they are interested in the Japanese graduate program. Candidates for the program should present the equivalent of an undergraduate major in Japanese upon entrance to the program. Those who lack this background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a conditional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

Students should see the School of International Letters and Cultures website for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/ALC-Japanese-MA>  
LL 440  
silc@asu.edu  
480-965-6281

**Online Degree Search Title:** Asian Studies (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate in Asian studies offers graduate students a transdisciplinary specialization in Asian language and area studies. The certificate program is available in two tracks: the East Asia track that includes China, Japan and Korea; and the Southeast Asia track that includes Burma, Laos, Thailand, Vietnam, Malaysia, Singapore, Indonesia, the Philippines, Brunei and Timor Leste.

**Degree Requirements:**

18 credit hours.

**Required Core (6 credit hours)**

two courses at the 500 level or above dealing with Asian content from a single discipline

**Electives (6 credit hours)**

two courses at the 500 level or above dealing with Asian content from a discipline other than that chosen for the core courses

**Other Requirements (6 credit hours)**

language proficiency requirement: two courses at the 400 level or above in one Asian language (Chinese, Indonesian, Japanese, Korean, Thai, Vietnamese)

**Culminating Experience (0 credit hours)**

a thesis or capstone project on a topic related to the student's region of emphasis and selected in consultation with the student's faculty mentor

**Additional Curricular Information**

Students work closely with a faculty advisor from the Center for Asian Research to develop a cohesive curriculum tailored to their individual goals and interests.

Some of the coursework from the discipline in which the student is earning a graduate degree may be used to satisfy these requirements.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Graduate students currently enrolled in any discipline may pursue a certificate in Asian studies in conjunction with their degree program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. For more information, students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/content/asian-studies-graduate-certificate>  
COOR 6613  
asia@asu.edu  
480-727-0968

## **Astrophysics, PHD (LAASPHPHD)**

**Online Degree Search Title:** Astrophysics, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in astrophysics is designed to develop creative scholarship and prepare students for professional careers in astrophysics, astronomy or related fields.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (51 credit hours)

Other Requirements (20 credit hours)\*

AST 521 Stars and Interstellar Medium I (3)

AST 522 Stars and Interstellar Medium II (3)

AST 523 Stars and Interstellar Medium III (3)

AST 531 Galaxies and Cosmology I (3)

AST 532 Galaxies and Cosmology II (3)

AST 533 Galaxies and Cosmology III (3)

AST 591 Seminar: Astrophysics (1)

SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree.

\*Substitutions for Other Requirements may be made per departmental approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should see the program website for application deadlines.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Earth and Space Exploration

<https://sese.asu.edu/degrees/graduate/astrophysics-phd>

ISTB4 795

sese-grad@asu.edu

480-965-5081

## Astrophysics and Astronomy, MS (LAASTPHMS)

**Online Degree Search Title:** Astrophysics and Astronomy, MS

**Campus:** Tempe

### Program Description:

The MS program provides fundamental graduate training in astrophysics and astronomy. It prepares candidates for further graduate study or for careers in related fields such as scientific staff positions at government laboratories, teaching at the community college level and technical positions in industry.

### Degree Requirements:

30 credit hours and a thesis.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (3 credit hours)

Other Requirements (20 credit hours)

AST 521 Stars and Interstellar Medium I (3)

AST 522 Stars and Interstellar Medium II (3)

AST 523 Stars and Interstellar Medium III (3)

AST 531 Galaxies and Cosmology I (3)

AST 532 Galaxies and Cosmology II (3)

AST 533 Galaxies and Cosmology III (3)

AST 591 Seminar: Astrophysics (1)

SES 501 SESE Colloquium (1)

Culminating Experience (6 credit hours)

SES 599 Thesis (6)

Additional Curricular Information

For other requirement courses, substitutions may be made per department approval.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

### Contact Information:

Liberal Arts & Sciences, The College of

School of Earth and Space Exploration

<https://sese.asu.edu/degrees/graduate/astrophysics-astronomy-ms>

ISTB4 795

sese-grad@asu.edu

480-965-5081

## Atmospheric Science (certificate), Certificate (LAATMOSCE)

**Online Degree Search Title:** Atmospheric Science (Graduate Certificate)

**Campus:** Tempe

This program is not currently accepting applications.

### **Program Description:**

The transdisciplinary certificate in atmospheric science is administered by an executive committee composed of faculty from the Ira A. Fulton Schools of Engineering and The College of Liberal Arts and Sciences. The objective of this program is to recognize Arizona State University graduate students who complete a dissertation on a topic related to the atmospheric or oceanic sciences under the supervision of a faculty member from one of the cooperating departments.

### **Degree Requirements:**

16 credit hours.

A minimum of 16 credit hours will be required in order to qualify for the atmospheric science certificate, consisting of:

- three three-credit-hour courses from a list of courses in the core disciplines (9)
- two three-credit-hour courses from a list of electives at the 400 level or above (6)
- a capstone seminar (1)

Considering the diversity of courses and in order to ensure a transdisciplinary flavor, all prospective recipients will have their certificate program approved by the certificate executive committee. Certificates will only be awarded to students who are enrolled in an MA, MS, MNS or PhD program at ASU. The student's thesis or dissertation must also be related to some aspect of atmospheric science.

The core courses are offered at least once every other year, so the certificate may be completed within two years.

Specific requirements are:

- approval by the certificate committee of the student's proposed course selection
- completion of one course from each of the core disciplines with a grade of "B" (3.00) or better
- completion of two courses from the list of electives with a grade of "B" (3.00) or better
- completion of the capstone seminar, which is one credit hour
- completion of a dissertation on a topic related to the atmospheric or oceanic sciences

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-certificates>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Biochemistry, MS (LABIOCHMS)

**Online Degree Search Title:** Biochemistry, MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### Program Description:

Students earning an MS degree in biochemistry in the School of Molecular Sciences are trained in the fundamental aspects of the discipline, but most also will choose to learn by joining transdisciplinary teams that work on larger, mission-based contemporary problems in areas such as:

- biogeochemistry
- energy and sustainability
- fundamental chemical biology
- materials and nanoscience
- medicine and health
- structure function and dynamics

The master's degree program in biochemistry in the School of Molecular Sciences provides students with the training they need to solve biological problems at the molecular scale and to contribute to research in current challenging societal issues.

### Degree Requirements:

30 credit hours and a thesis.

500-level or above courses as approved by the school (12)

BCH 501 or CHM 501 Seminar or other seminar course as approved by the school (4)

BCH 592 Research courses (8)

BCH 599 Thesis (6)

### Additional Curricular Information

The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. A written thesis is required and must be successfully defended during a public final oral defense. Students must maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

A program fee in the amount of \$300 per semester is required in addition to the normal tuition costs.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

### Contact Information:

Liberal Arts & Sciences, The College of

School of Molecular Sciences

<https://sms.asu.edu/graduate-study>

PSD 102

## Biochemistry, PHD (LABIOCHPHD)

**Online Degree Search Title:** Biochemistry, PhD

**Campus:** Tempe

### Program Description:

The PhD program in biochemistry in the School of Molecular Sciences provides students with the training they need to solve biological problems at the molecular scale and to be successful independent scientists who can contribute to current challenging societal issues. Students earning a doctoral degree in biochemistry from the school are fully trained in all fundamental aspects of the discipline, but most also will choose to learn by joining transdisciplinary teams that work on larger, mission-based contemporary problems in areas such as biogeochemistry, energy and sustainability, fundamental chemical biology, materials and nanoscience, medicine and health, and structure function and dynamics.

Students should visit the prospective student page (<https://sms.asu.edu/graduate-study>) to learn more about this doctoral program and the graduate research page (<https://sms.asu.edu/graduate-study/research>) to learn more about the cutting-edge, transdisciplinary research being conducted in the school. The doctoral program in biochemistry prepares students for professional careers in industry, government and academia.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Six graduate-level courses (12-18)  
enrollment in a BCH 501/CHM 501 seminar each semester (8)  
BCH 792 Research (46-52)  
BCH 799 Dissertation (12)

### Additional Curriculum Information

The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense. Students must also maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

In addition to the admission application, applicants must complete an online supplemental application to the School of Molecular Sciences. The supplemental application will be available 24 to 48 hours after submission of the admission application. The personal statement and contact information for the letters of recommendation will be submitted as part of the supplemental application. Information about the supplemental application can be found on the department's website. Applications lacking a supplemental application will not be reviewed.

### Contact Information:

Liberal Arts & Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu/degrees/grad/biochemistry-phd>



PSD 102  
smsgrad@asu.edu  
480-965-4664

## Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)

**Online Degree Search Title:** Biochemistry (Medicinal Chemistry), MS

**Campus:** Tempe

### Program Description:

The faculty in the School of Molecular Sciences offer a program leading to the MS in biochemistry with a concentration in medicinal chemistry. This program is intended for students who plan to continue their educational training in pharmacy or medical school or in a related field and want to expand their background knowledge in biochemistry before beginning their professional education.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biochemistry, BS
- Biochemistry (Medicinal Chemistry), BS
- Chemistry, BS
- Molecular Biosciences and Biotechnology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

30 credit hours including the required applied project (research paper) course (CHM 593 or BCH 593).

A minimum of 30 credit hours are required, including coursework, seminars, research and an applied project consisting of a written research paper. Courses are selected by students in consultation with their supervisory committee based on the research area.

The Master of Science in biochemistry is awarded when the student has obtained a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in coursework, demonstrated quality performance in the laboratory and completion of the research project, completed and presented an approved research paper at an oral defense to the student's supervisory committee, and met all deadline dates and requirements set by the Graduate College.

A program fee in the amount of \$300 per semester is required in addition to the normal tuition.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants interested in pursuing the accelerated degree program should review the requirements and submit a pre-application found on the School of Molecular Sciences website prior to submitting a formal Graduate Admission Services application to the degree program.

### Contact Information:

Liberal Arts & Sciences, The College of  
School of Molecular Sciences

<https://sms.asu.edu/degrees/grad/biochemistry-ms>

PSD 102

smsgad@asu.edu

480-965-4664

## Biology, MS (LABIOMS)

**Online Degree Search Title:** Biology, MS

**Campus:** Tempe

### Program Description:

This MS in biology is a program based in research and around a student's individual research interests. It is flexible, allowing students to explore areas of biology that thrive outside of traditional boundaries. This master's program is designed to prepare students for careers in teaching and research in educational, medical, industrial and governmental institutions.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biological Sciences, BS

Biological Sciences (Biology and Society), BS

Biological Sciences (Biomedical Sciences), BS

Biological Sciences (Conservation Biology and Ecology), BS

Biological Sciences (Genetics, Cell and Developmental Biology), BS

Biological Sciences (Neurobiology, Physiology and Behavior), BS

Microbiology, BS

Microbiology (Medical Microbiology), BS

Molecular Biosciences and Biotechnology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

30 credit hours and a thesis.

Each student's plan is prepared in consultation with the supervisory committee, consisting of a professor in the major and two additional faculty members. A typical plan of study consists of:

research credit (8-14 credit hours)

coursework and additional seminars (9-15 credit hours)

seminar (1 credit hour)

thesis (6 credit hours)

The remainder of the plan of study usually consists of a mixture of coursework, readings, conferences and seminars in the student's primary and related fields, and research credits.

Courses and research credits can be distributed in any combination appropriate to the student's individual educational goals. A final oral examination covering the thesis and related subject matter is administered by the supervisory committee.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology or a related discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores

- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Desired Qualifications:

- GRE scores
- research experience

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/biology-ms>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

## Biology, PHD (LABIOPHD)

**Online Degree Search Title:** Biology, PhD

**Campus:** Tempe

#### Program Description:

The PhD program in biology offers individualized courses of study tailored to students interests that include laboratory, field and theoretical work. Flexibility in the program is achieved by requiring only one core class, which is a choice between two topics that cover the breadth of the research directions in this program.

Electives are also as flexible as possible and include areas outside of biology. The major goal is to provide opportunities to create an adaptable and general degree program that allows both traditional and interdisciplinary approaches in any area of biology.

#### Degree Requirements:

84 credit hours, a oral comprehensive exam, a prospectus and a dissertation.

Required Core (3-4 credit hours)

BIO 614 Biometry (4) or

BIO 620 Research Prospectus Writing (3)

Electives (68-69 credit hours)

Culminating Experience (12 credit hours)

BIO 799 Dissertation (12)

#### Additional Curriculum Information

The program is tailored to the needs of the individual student. The plan of study is developed by the student and a supervisory committee consisting of a major professor and three additional faculty members. The electives credit hours are comprised of coursework showing breadth in biology subdisciplines, seminars and research.

An oral comprehensive examination is required in order to advance to candidacy and a formal defense of the final written dissertation is required prior to graduation.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology or a related discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee

- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Desired Qualifications:

- GRE scores: We encourage you to apply even if your GRE results do not meet the desired scores. We consider all components of your application package before making a decision.
- research experience

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Life Sciences  
<https://sols.asu.edu/degrees/grad/biology-phd>  
 LSA 181  
 sols.grad@asu.edu  
 480-965-1768

## Biology (Biology and Society), MS (LABIOSMS)

**Online Degree Search Title:** Biology (Biology and Society), MS

**Campus:** Tempe

#### Program Description:

In the biology and society concentration of the MS program in biology, students examine topics where biology intersects with society. The concentration tailors individual plans of study to individual needs and interests, with a solid grounding in life and related sciences and with a rigorous analytical and interdisciplinary education. The program offers suggested courses for those wishing to focus on these areas: bioethics, policy and law; biology education research; ecology, economics and ethics of the environment; and history and philosophy of science.

The bioethics, policy and law area trains students in the pressing moral, policy and legal issues raised by the biosciences and biomedicine and in the disciplinary methods necessary to address these issues. The biology education research area focuses on using education research to identify ways to improve undergraduate biology education broadly. Ecology, economics and ethics of the environment trains students in the theory and empirical methods for understanding, analyzing and shaping policy for coupled human-natural systems. The history and philosophy of science area trains students in the conceptual foundations of science, especially the epistemological and methodological assumptions that shape science and its progress.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Conservation Biology and Ecology), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis.

An individual student plan is developed in consultation with the student's advisor and committee.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

Students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline (typically evolution, genetics and other courses appropriate to the student's particular interests). Students without an undergraduate-level competency in the sciences may be considered for conditional admission to the biology and society concentration.

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences

<https://sols.asu.edu/degrees/grad/biology-biology-society-ms>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## Biology (Biology and Society), PHD (LABIOSPHD)

**Online Degree Search Title:** Biology (Biology and Society), PhD

**Campus:** Tempe

**Program Description:**

In the biology and society concentration of the PhD program in biology, students examine topics with biological and social dimensions that are best understood together, rather than in isolation. The concentration provides plans of study tailored to individual needs and interests. It encompasses a solid foundation in life sciences and related sciences and provides a rigorous analytical and interdisciplinary education. Students may further specialize in one of four tracks:

Bioethics, policy and law -- This track focuses on pressing moral, policy and legal issues raised by biosciences and biomedicine and on the methods needed to address them.

History and philosophy of science -- This track focuses on the conceptual foundations of science, especially the epistemological and methodological assumptions that shape science and its progress.

Ecology, economics and ethics of the environment -- This track focuses on the theory and empirical methods for understanding, analyzing and shaping policy that steer society toward a more productive, equitable and sustainable ecological future.

Biology education research -- This track focuses on using education research to identify ways to broadly improve undergraduate biology education.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3-4 credit hours)

BIO 614 Biometry (4) or

BIO 620 Research Prospectus Writing (3)

Electives (68-69 credit hours)

Culminating Experience (12 credit hours)

BIO 799 Dissertation (12)

#### Additional Curriculum Information

An individual student program is developed in consultation with the student's advisor and committee.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline (typically evolution, genetics and other courses appropriate to the student's particular interests). Students without an undergraduate-level competency in the sciences may be considered for conditional admission to the biology and society concentration.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/degrees/grad/biology-biology-society-phd>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)

**Online Degree Search Title:** Biology (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

#### Program Description:

The PhD program in biology with a concentration in complex adaptive systems science trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and candidates typically will have a member of the complex adaptive systems science graduate faculty as a member of the doctoral supervisory committee.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Only students admitted to participating doctoral programs may apply for a complex adaptive systems concentration. A letter of application from the student must be sent to the chair of the complex adaptive systems science graduate faculty. The application will be reviewed by members of the graduate faculty who will make final admission recommendations to the Graduate College.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu>  
LSA 181  
[sols.grad@asu.edu](mailto:sols.grad@asu.edu)  
480-965-1768

## Biomimicry, MS (LABMYMS)

**Online Degree Search Title:** Biomimicry, MS

**Campus:** Online

**Program Description:**

The MS in biomimicry, the practice of emulating nature's strategies for human designs, is offered at ASU in conjunction with Biomimicry 3.8. Designed to empower change agents passionate about a world mentored by life's genius, graduates work toward innovative and sustainable solutions to pressing global challenges, exploring the way business is conducted, buildings and products are designed, governments are run, health care is provided, and goods are manufactured to how future generations will be educated ---all inspired by nature's time-tested sustainable solutions developed over the last 3.8 billion years.

The Master of Science program in biomimicry is designed to prepare students to facilitate the practice of biomimicry across corporate, government, education and nongovernment organization sectors. In addition to core content and electives, students will gain biomimicry experience in biome-based applications, business case studies, biological strategy research and in each participant's self-designed biomimicry project in the student's chosen career field. For more information, prospective students should visit <http://biomimicry.asu.edu/> (<http://biomimicry.asu.edu/>).

**Degree Requirements:**

30 credit hours and a portfolio.

Required Core (13 credit hours)

BMY 501 Essentials of Biomimicry (1)

BMY 502 Life's Principles (4)

BMY 503 Biology Taught Functionally (4)

BMY 504 Biomimicry Thinking (4)

Electives or Research (11 credit hours)

Other Requirements (6 credit hours; choose 3)

BMY 530 Virtual Design Lab Practicum (2)

BMY 580 Topic: BioBrainstorm Practicum (2)

BMY 580 Topic: Biomimicry Case Study Practicum (2)

BMY 580 Topic: Biomimicry Genius of Place Practicum (2)

Culminating Experience  
portfolio

Additional Curriculum Information

For electives or research, students should contact the academic unit for the approved course list.  
Academic Catalog Archive 2019-2020

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- questionnaire (to be filled out and uploaded)
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-biomimicry/>)

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## Biomimicry (Certificate), Certificate (LABMYGRCT)

**Online Degree Search Title:** Biomimicry (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate program in biomimicry, the practice of emulating nature's strategies for human designs, is offered at ASU in conjunction with Biomimicry 3.8.

The program is designed to introduce and delve into the core fundamentals of biomimicry, such as Biomimicry Thinking and Life's Principles with the intention to apply the knowledge and tools to one's specific interests or discipline. It is best suited for individuals with an established career who wish to bring biomimicry to that career. Participants will have the opportunity including mentorship to explore the application of these core fundamentals in their own discipline, field or area of interest during the biomimicry Virtual Design Lab as their culminating project.

Graduates will have the ability to work toward innovative and sustainable solutions within their discipline, emulating nature's time-tested sustainable solutions evolved over the last 3.8 billion years.

**Degree Requirements:**

15 credit hours including the required capstone course (BMY 530).

Required Core (13 credit hours)

BMY 501 Essentials of Biomimicry (1)

BMY 502 Life's Principles (4)

BMY 503 Biology Taught Functionally (4)

BMY 504 Biomimicry Thinking (4)

Culminating Experience (2 credit hours)

BMY 530 Virtual Design Lab Practicum (2)

**Admission Requirements:**



Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program

Applicants must submit the following:

- graduate admissions application and application fee
- official transcripts
- fill out and upload questionnaire
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-biomimicry/>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu>  
LSA 181  
[sols.grad@asu.edu](mailto:sols.grad@asu.edu)  
480-965-1768

## Chemistry, MS (LACHEMMS)

**Online Degree Search Title:** Chemistry, MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

Students earning an MS degree in chemistry in the School of Molecular Sciences are trained in the foundation disciplines of analytical, organic, physical, inorganic, and environmental chemistry and geochemistry, but most will also choose to learn by joining transdisciplinary research teams that work on larger, mission-based contemporary problems in areas such as:

- energy and sustainability
- frontiers of chemical measurement
- fundamental molecular science
- geologic and biospheric science
- materials and nanoscience
- medicine and health
- structure function and dynamics

The master's degree program in chemistry provides students with the training they need to solve molecular scale problems and to contribute to research in current challenging societal issues.

**Degree Requirements:**

30 credit hours and a thesis.

500-level or above courses as approved by the school (12)

BCH 501 or CHM 501 Seminar or other seminar course as approved by the school (4)

CHM 592 Research (8)

CHM 599 Thesis (6)

Additional Curriculum Information

The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on  
Academic Catalog Archive 2019-2020

the student's area of research. A written thesis is required and must be successfully defended during a public final oral defense. Students must maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Molecular Sciences

<https://sms.asu.edu/graduate-study>

PSD 102

[smsgad@asu.edu](mailto:smsgad@asu.edu)

480-965-4664

## Chemistry, PHD (LACHEMPHD)

**Online Degree Search Title:** Chemistry, PhD

**Campus:** Tempe

**Program Description:**

The PhD in chemistry in the School of Molecular Sciences provides students with the training they need to solve molecular scale problems and to be successful independent scientists who can contribute to current challenging societal issues. Students earning a doctorate in chemistry from the School of Molecular Sciences are trained in the foundation disciplines of analytical, organic, physical, inorganic, environmental or geological chemistry, but most also will choose to learn by joining transdisciplinary research teams that work on larger, mission-based contemporary problems in areas such as:

- energy and sustainability
- frontiers of chemical measurement
- fundamental molecular science
- geologic and biospheric science
- materials and nanoscience
- medicine and health
- structure function and dynamics

Students should visit the prospective student page (<https://sms.asu.edu/graduate-study> (<https://sms.asu.edu/graduate-study>)), to learn more about this doctoral program and the graduate research page (<https://sms.asu.edu/graduate-study/research> (<https://sms.asu.edu/graduate-study/research>)) to learn about the cutting-edge, transdisciplinary research being conducted in the school. The doctoral program in chemistry prepares students for professional careers in industry, government and academia.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

six graduate-level courses (12-18)

enrollment in a BCH 501 or CHM 501 seminar each semester (8)

CHM 792 Research (46-52)

CHM 799 Dissertation (12)

#### Additional Curriculum Information

The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research.

Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense.

Students must also maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

In addition to the admission application, applicants must complete an online supplemental application to the School of Molecular Sciences. The supplemental application will be available 24 to 48 hours after submission of the admission application. The personal statement and contact information for the letters of recommendation will be submitted as part of the supplemental application. Information about the supplemental application can be found on the School of Molecular Sciences website. Applications lacking a supplemental application will not be reviewed.

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu/degrees/grad/chemistry-phd>  
PSD 102  
smsgrad@asu.edu  
480-965-4664

## Communication, MA (LACOMMOMA)

**Online Degree Search Title:** Communication, MA

**Campus:** Online

#### Program Description:

The MA program in communication is designed to provide professionals with advanced training in the theory and practice of communication to prepare them for success in their careers and a dynamic job market.

The flexible delivery offers easy access to a rigorous education that delivers instruction in social influence, global communication, best workplaces practices, and more. The program includes a culminating experience that allows students to focus their training in their areas of interest.

#### Degree Requirements:

30 credit hours including the required capstone course (COM 550).

Required Core (9 credit hours)

COM 501 Research Methods in Communication (3)

COM 504 Theories and Models in Communication (3)

COM 540 Conducting Communication Research (3)

Other Requirements (18 credit hours)  
COM 598 Topic: Communication and Conflict Transformation (3)  
COM 598 Topic: Communication and Gender (3)  
COM 598 Topic: Communication in Global Contexts (3)  
COM 598 Topic: Communication in the Workplace (3)  
COM 598 Topic: Crisis Management and Communication (3)  
COM 598 Topic: Negotiation Theory and Practice (3)  
COM 598 Topic: Social Influence and Persuasion (3)  
COM 598 Topic: Training and Development (3)

Culminating Experience (3 credit hours)  
COM 550 Capstone (3)

#### Additional Curriculum Information

For the other requirements section, students must choose 18 credit hours of COM 598 topics.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in communication or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/communication-ma/>)

#### Contact Information:

Liberal Arts & Sciences, The College of  
Hugh Downs School of Human Communication  
<https://humancommunication.asu.edu/>  
STAUF A412  
MACOMAPP@asu.edu  
480-799-5000

## Communication, PHD (LACOMMOPHD)

**Online Degree Search Title:** Communication, PhD

**Campus:** Tempe

#### Program Description:

The Hugh Downs School of Human Communication offers a transdisciplinary graduate program leading to the PhD in communication. This program provides coursework and resources in interpersonal communication, intercultural communication, organizational communication, health communication, rhetoric and performance studies. Students receive training in communication theory, research methodology and multiple areas of emphasis, and they actively participate in one or more of the School's collaborative research initiatives. The program is designed to meet the needs of students whose interests transcend traditional disciplinary boundaries and to prepare scholars for research-oriented careers in universities and in the public or private sectors.

#### Degree Requirements:

96 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

COM 604 Theory Construction in Communication (3)

Choose two:

COM 607 Contemporary Rhetorical Methods (3)

COM 608 Multivariate Statistical Analysis of Data in Communication (3)

COM 609 Advanced Qualitative Research Methods in Communication (3)

Electives (45 credit hours)

Other Requirements (24 credit hours)

COM 691 Seminar (24)

Research (6 credit hours)

COM 792 Research (6)

Culminating Experience (12 credit hours)

COM 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree; 66 credit hours are required beyond an appropriate master's degree.

At least six elective credit hours must be coursework outside of the communication field.

Required are 24 credit hours of various COM 691 Seminar topics.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official GRE scores
- official transcripts
- resume or curriculum vitae
- statement of goals
- three letters of recommendation
- writing sample
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should visit the Hugh Downs School of Human Communication website for further details.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

Hugh Downs School of Human Communication

<https://humancommunication.asu.edu/degrees/communication-phd>

STAUF A412

PHDCOM@asu.edu

480-965-5096

## **Computer-Assisted Language Learning (Certificate), Certificate (LACALLGRCT)**

**Online Degree Search Title:** Computer-Assisted Language Learning (Graduate Certificate)

**Campus:** Tempe

#### **Program Description:**

The graduate certificate program in computer-assisted language learning focuses on the application of technology in foreign language teaching and

research. It teaches the practical, hands-on skills needed to create and evaluate learning and teaching materials with new computer-based technologies. The certificate program teaches students how to use technology effectively to facilitate instructed second-language acquisition and how to develop, manage and maintain a cutting-edge language computing facility. It also provides students with a solid theoretical and pedagogical framework for the integration of technology into the foreign language curriculum and provides them with the tools necessary to teach language courses in either a hybrid or distance-learning environment.

**Degree Requirements:**

15 credit hours including a capstone course (ENG 597).

Required Core (6 credit hours)

ENG 557 Computer-Assisted Language Learning (3)

SLC 510 Computer-Assisted Language Learning Praxis (3)

Restricted Electives (3 credit hours)

LIN 520 Second-Language Acquisition Theories (3) OR

SLC 515 Second-Language Acquisition (3)

Electives (6 credit hours)

Additional Curriculum Information

For restricted electives, students may select an approved second language acquisition course equivalent to LIN 520 or SLC 515 with department approval.

**Admission Requirements:**

All applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned from a regionally accredited institution a bachelor's or master's degree with a major or minor in foreign language study, English or English education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students may apply for admission to the certificate program once they have been accepted into a graduate degree program in the School of International Letters and Cultures or other school or department at ASU.

Applicants must have an undergraduate major in the language they will teach or be native speakers of the language they will teach, or they must have a minor or ASU minor equivalency as determined by SILC policies (18 upper-division credit hours, including at least three credit hours from the 400 level in their undergraduate program). Current graduate student applicants who do not meet the language requirements must be enrolled in a foreign language graduate program, the Teaching English to Speakers of Other Languages program, an applied linguistics graduate program, or a closely related field (determined by the directors). A teaching certification is not required as this certificate program is open to graduate students with an interest in computer-assisted language learning and who meet the admission requirements.

Applicants must have completed an introduction to linguistics or applied linguistics course at the time of application (to be verified by the certificate directors). The course does not count toward the 15 credit hours required for the certificate.

Applicants must complete a language teaching methods course, to be verified by the certificate directors. This course also may be taken at ASU prior to completion of the certificate program. The course does not count toward the 15 credit hours required for the certificate.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures

<https://silc.asu.edu/>  
LL 62A  
silc@asu.edu  
480-965-6281

## Creative Writing, MFA (LACWRITMFA)

**Online Degree Search Title:** Creative Writing, MFA

**Campus:** Tempe

### Program Description:

The MFA in creative writing at ASU has always been an unswervingly student-first program. Through small classes, intimate workshops or one-to-one mentoring, the centuries-old apprenticeship model thrives within the New American University. Poets and fiction writers work with outstanding faculty that have published more than 80 books and garnered national and international attention through awards that include:

- Guggenheim, Howard Foundation, and National Endowment for the Arts fellowships
- International Griffin Poetry Prize
- Pulitzer Prize
- two Medals of Achievement from the National Society of Arts and Letters
- Walt Whitman Award from the Academy of American Poets

Additionally, in concert with the Master of Fine Arts program, the Virginia G. Piper Center for Creative Writing offers students a variety of creative and global fellowship opportunities each year, including two teaching fellowships in Singapore; two creative research fellowships to provide support for summer writing projects; and other generous forms of support that include graduate assistantships, travel scholarships, professional development support, and other teaching and leadership opportunities.

Furthermore, students have access to a variety of professional development opportunities, including serving on the editorial board of an international literary journal, Hayden's Ferry Review and internships with Four Way Books.

### Degree Requirements:

48 credit hours, a written comprehensive exam, and an applied project (ENG 593).

Coursework (39 credit hours)

Other Requirement (6 credit hours)

ENG 592 Research (6)

Culminating Experience (3 credit hours)

ENG 593 Applied Project (3)

Additional Curriculum Information

The creative writing program requires 48 credit hours of study evenly divided between writing courses and literature courses designed to inform that writing.

While students are expected to satisfy these requirements in the genre in which they were accepted, the program encourages cross-genre study and electives can include courses taken outside of the creative writing program, even outside the English department.

A written comprehensive exam and an applied project are required.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants should have an undergraduate major in English or creative writing; however, exceptional students who do not have either of these undergraduate majors may be admitted on the basis of writing excellence.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose

- resume or curriculum vitae
- three letters of recommendation
- creative manuscript
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

Students applying for funding must submit a statement of teaching philosophy. Students should see the Department of English website for specific details. Applicants for teaching assistantships also must submit an academic writing sample.

The personal statement should include the applicant's writing background, intended area of specialization, a brief self-evaluation of recent work and the applicant's goals. The statement should be single-spaced, up to 1000 words.

Applicants must also submit three copies of the creative manuscript, up to 20 pages of poetry or up to 30 pages of prose.

The three letters of recommendation must consist of one copy of each letter from three recommenders.

The personal statement, the creative manuscript copies, and the letters of recommendation must be sent directly to:

Creative Writing Program  
ASU Department of English  
PO Box 1401  
Tempe, AZ 85287-1401

#### Contact Information:

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/creative-writing-masters-fine-arts>  
RBHL 152  
enggrad@asu.edu  
480-727-9130

## Critical Theory (certificate), Certificate (LACRTGRCT)

**Online Degree Search Title:** Critical Theory (Graduate Certificate)

**Campus:** Tempe, West

#### Program Description:

The certificate in critical theory provides students with historical and thematic approaches to critical theory and promotes the skills required for the interpretation and production of concepts based in continental philosophy and used broadly in the arts, humanities and social sciences. Students learn about key thinkers and movements in critical theory. Such theory offers tools for creating a critical engagement with society and culture, for interpreting social and cultural objects and texts and for the production of new theoretical ideas.

This transdisciplinary certificate program provides opportunities to study theoretical approaches as applied across a wide range of arts, humanities and social science disciplines.

#### Degree Requirements:

15 credit hours and a Portfolio.

Required Core (3 credit hours)  
ENG 502 Contemporary Critical Theories (3)

Electives (12 credit hours)

Culminating Experience (0 credit hours)  
portfolio (0)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.



Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

The graduate certificate in critical theory is available to all ASU graduate students irrespective of their major and to nondegree graduate students and working professionals provided they meet eligibility criteria. Sample majors include English; women and gender studies; art history; and, arts, media and engineering.

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Specific details about English proficiency requirements are available on the Department of English website.

Eligible applicants must have taken two courses in critical theory or related field at the upper-division undergraduate level (such as ENG 401 Topics in Critical Theory) or at the graduate level (such as ENG 502 Contemporary Critical Theories).

After submitting the online application, applicants must email unofficial transcripts, a brief statement of purpose explaining the student's areas of interest in critical theory, and a resume to the graduate program manager in the Department of English, with this subject line: Critical Theory Certificate Application.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/node/249>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## Digital Humanities (Certificate), Certificate (LACDHGRCT)

**Online Degree Search Title:** Digital Humanities (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate program in digital humanities provides students with methods and skills central to conducting humanities research that employs both qualitative and quantitative approaches.

The program is designed to promote cross-disciplinary study in humanities and social and computational sciences, and it is open to students in all disciplines. The program features training in transdisciplinary collaboration, project-based communication skills, critical theory and the simultaneous application of quantitative and qualitative problem-solving skills.

This certificate highlights an area of excellence within ASU that has emerged across its colleges, schools and departments and is integral to the effort of transforming the humanities at ASU into new transdisciplinary configurations.

**Degree Requirements:**

15 credit hours including an applied project course (CDH 593).

Required Core (3 credit hours)

CDH 501 Digital Humanities: Critical Theory and Methods (3)

Electives (6 credit hours)

Other Requirement (3 credit hours)

CDH 580 Practicum (3)

Culminating Experience (3 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students enrolled in an existing master's or doctoral program and in good standing. Students who are interested in transdisciplinary work are particularly well-suited for this certificate program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The program requires a TOEFL score of at least 600 (PBT) or 100 (iBT).

Students will be asked to outline a desired transdisciplinary area of inquiry. For example, a student who works on digital rhetoric and literacy may want to understand how to create and manage social media data sets or how to create a social media application. Alternatively, a student in School of International Letters and Cultures may want to study digital archives of Slavic literature and may need to understand how digital archives are enmeshed in national and capitalist networks.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad>  
LL 440  
silc@asu.edu  
480-965-2715

## East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)

**Online Degree Search Title:** East Asian Languages and Civilization, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in East Asian languages and civilizations is a research-intensive, transdisciplinary, area-based degree in the study of traditional and modern languages and cultures of China and Japan. Students may focus on:

- comparative cultural studies
- cultural history or linguistics
- literary criticism
- literature
- thoughts

In every case, students will be expected to acquire a solid grounding in the classical and modern versions of the primary language of their area.

**Degree Requirements:**

84 credit hours, two foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program requires a minimum of 84 credit hours, of which 30 credit hours from an earned master's degree program that is directly relevant to the doctoral program may be counted toward that requirement. A minimum of 30 credit hours of coursework and 24 credit hours of research are required beyond the master's degree level. If a student already has a master's degree, it will not be necessary to complete the existing School of International Letters and Cultures master's degree program in Asian languages and civilizations. However, the student will be required to satisfy all course requirements for the master's degree.

All students, whether specializing in Chinese or Japanese, must comply with the following requirements:

- complete a minimum of six courses selected from advanced courses in literature, religions or intellectual history

- complete five seminars
- complete SLC 500 Theory and Methodology in East Asian Literature and Culture
- complete 12 credit hours of core requirements
- submit a dissertation and pass an oral defense of that dissertation
- demonstrate reading knowledge of a second pertinent Asian language and one pertinent European language, aside from English
- pass written and oral comprehensive examinations in four fields, three of which must be selected from areas that are well-represented within the East Asian languages and civilizations doctoral graduate curriculum

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants specializing in Chinese should have completed at least three years of modern Chinese and one year of classical Chinese. Applicants specializing in Japanese should have completed at least three years of modern Japanese and one semester of classical Japanese.

Applicants must have a minimum of a 3.30 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.30 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- speech sample in Chinese or Japanese
- resume or curriculum vitae
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The writing sample, which should be no more than 15 pages, should represent the applicant's thinking as well as writing skills, and it should be on a topic connected with Chinese, Japanese or East Asian culture.

The speech sample is required if the applicant is applying for teaching assistantship funding. The speech sample should be a recorded message approximately four minutes in length, in Chinese or Japanese, on a topic of the applicant's choosing. (Applicants are asked to not read the message. This is to help the committee evaluate the level of proficiency, and the message should realistically reflect the applicant's spoken Chinese or Japanese). Recordings should be emailed to [SILC@asu.edu](mailto:SILC@asu.edu) (mailto:SILC@asu.edu).

Applicants should see the department website for more information.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
 School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/east-asian-languages-and-civilization-phd>  
 LL 440  
[silc@asu.edu](mailto:silc@asu.edu)  
 480-965-2715

## **English, MA (LAENGLMA)**

**Online Degree Search Title:** English, MA

**Campus:** Tempe, Online

#### **Program Description:**

The MA program in English allows for a variety of transdisciplinary studies within four distinct tracks:

Comparative literature --- Students interpret cultural productions in English and at least one other language, and they explore approaches ranging from textual criticism, critical theory and translation to cultural studies and the social sciences.

English studies --- Students in this track learn how to interpret and articulate complex cultural, historical, literary and language related ideas into accessible material for general audiences through a series of courses from across disciplinary areas of study.

Literature --- Students develop and hone skills in oral presentation, writing and critical thinking while exploring social, historical and cultural contexts.

Writing, rhetorics and literacies --- This program offers a wide array of courses encompassing the history, theory and practice of rhetoric and pedagogy of writing.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English (Creative Writing), BA

English (Literature), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours including the required applied project course (ENG 593) and a foreign language exam, or 30 credit hours including the required capstone course (ENG 597) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.

Required Core (3 credit hours)

ENG 501 Approaches to Research (3)

A student may pursue a track in comparative literature, English studies, literature, or writing, rhetorics and literacies. All tracks have a foreign language requirement.

#### Comparative Literature Track

one course in concept and methods (course in comparative literature, criticism, or translation)

four courses in a language other than English

electives

#### English Studies Track

one course in linguistics

one course in literature

one course in writing, rhetorics and literacies

one course in English education

electives or research courses

#### Literature Track

one course in literary theory

a distribution requirement

electives

two courses selected must be graduate seminars at the 600 level

#### Writing, Rhetorics, and Literacies Track

one course in composition theory

one course in rhetoric theory

electives, which must include six credit hours of graduate seminars at the 600 level

Culminating Experience (3 or 6 credit hours)

ENG 593 Applied Project (3) or

ENG 597 Graduate Capstone Seminar (3) or

ENG 599 Thesis (6)

#### Additional Curriculum Information

Students should see the academic unit for an approved course list.

The capstone culminating experience option is available to students in the English studies track only. Students in this track must take the capstone. Students in one of the other tracks may select an applied project or thesis for the culminating experience.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

Applicants for the master's degree program in English with a track in comparative literature must prove fluency in a foreign language to a level sufficient for graduate study. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in comparative literature, and plans for the future.

Applicants for the master's degree program in English with a track in English studies (online program) are required to submit two academic or professional letters of recommendation (a third is optional). An academic writing sample is not required. The two-page, single-spaced statement of purpose should explain how the applicant's academic and professional interests fit with the English studies track of the Master of Arts in English. Applicants with undergraduate majors in English, foreign language, history, philosophy, liberal studies, or other areas in humanities will be considered.

Applicants for the master's degree program in English with a track in literature are required to have an undergraduate major in English. Those who do not have a major in English are encouraged to register as nondegree students while they take supplementary courses, as identified by the advisor. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in literature, and plans for the future.

Applicants for the master's degree program in English with a track in writing, rhetorics, and literacies may have undergraduate majors in fields such as, but not limited to anthropology, cognitive science, communication, comparative languages and literatures, education, English literature, history, law, modern languages, philosophy, political science, psychology, religion, rhetoric or composition, sociology, or speech and hearing science. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in writing, rhetorics and literacies, and plans for the future.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-english/>)

#### Contact Information:

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/masters-english>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## English (English Education), PHD (LAENEDPHD)

**Online Degree Search Title:** English (English Education), PhD

**Campus:** Tempe

#### Program Description:

The PhD program in English with a concentration in English education prepares students to examine the writing and reading practices of secondary students as well as the instructional practices of secondary English language arts teachers by emphasizing the relationship between pedagogy and research methodologies used to study the teaching of secondary English.

Possible areas for research focus within this program include young adult literature, secondary reading and writing practices, new literacies, English language learning, critical literacy and secondary English language arts curriculum and instruction development. The program encourages students to pursue coursework in other sub-disciplines within the Department of English, such as rhetoric and composition, applied linguistics and literature, and coursework in the ASU Mary Lou Fulton Teachers College, such as literacy and educational research methodology.

Students benefit from the program's links to the Central Arizona Writing Project, and this relationship offers opportunities for related coursework, research, community outreach and teacher in-service programs. The doctorate in English education prepares students to become professors of English education or to pursue other relevant opportunities in research and administration.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ENG 501 Approaches to Research (3)

Foundational Distribution (12 credit hours)

Advanced Studies Distribution (12 credit hours)

Internships (9 credit hours)

ENG 784 Internship (9)

Specialization (6 credit hours)

Culminating Experience (12 credit hours)

ENG 799 Dissertation (12)

Additional Curriculum Information

Students must take 12 credit hours at the 500 level, selected from a list of approved courses in education, English, linguistics and applied linguistics for the foundational distribution.

Students must take at least two courses in the area of specialization.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If not approved, the 30 credit hours of coursework will be made up of electives and research.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree from a regionally accredited institution. Applicants with master's degrees in English education and related fields, such as English literature, applied linguistics, education, and rhetoric and composition will be considered. A minimum of three years of full-time teaching or volunteer work in secondary English language arts classrooms or in literate-rich settings is required.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample
- GRE general test scores

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the Department of English website for specific details about English proficiency requirements.

The one- to two-page statement should explain the applicant's interest in the program and how the applicant's background and preparation led to the specific career and research goals. The three letters of recommendation should be from individuals familiar with the applicant's promise in English education, including one letter from a school principal and two letters from university professors. Applicants applying for funding must also submit a statement of teaching philosophy.

Applicants should see the Department of English website for specific details.

#### Contact Information:

Liberal Arts & Sciences, The College of

Department of English

<https://english.asu.edu/degrees/grad/doctor-philosophy-english-education>

RBHL 130

enggrad@asu.edu

480-965-3194

## English (Literature), PHD (LAENLITPHD)

**Online Degree Search Title:** English (Literature), PhD

**Campus:** Tempe

#### Program Description:

The PhD program in English with a concentration in literature promotes the study of the production, distribution and reception of texts; of their linguistic, rhetorical and literary structures and functions; and of the internal and external forces shaping literature. The program offers courses that examine chronology and genre while also considering the importance of embodiment. Many courses explore issues relating to gender, class, race and ethnicity. The program prepares students for entrance into the profession as teachers and scholars.

#### Degree Requirements:

84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

A student with an appropriate master's degree must complete a minimum of 54 credit hours of approved graduate work, which includes 12 credit hours of dissertation, provided the student's master's degree is accepted by the supervisory committee and the academic unit. Research hours may be used toward coursework in consultation with the advisor.

A student without an appropriate master's degree must complete 84 credit hours of work at ASU. At the advisor's discretion, students may include up to 12 credit hours of appropriate, graduate-level coursework undertaken at another university and not previously counted toward any other degree.

Specifically required are six credit hours in theory courses and ENG 501 Approaches to Research. Students must complete eight graduate courses in any of the following categories:

- cultural studies
- ethnic studies
- gender studies
- genre
- history and structure of the English language
- literature 1500-1660
- literature 1660-1900
- literature since 1900
- literature to 1500
- postcolonial or anglophone literatures

Students must take at least five graduate seminars at the 600 level en route to the doctorate, at least three of which must be taken in the doctoral program. Up to 12 credit hours taken outside the department may be counted toward the degree. Students should consult with their supervisory committees when choosing electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- GRE general test scores
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements. <https://english.clas.asu.edu/admission/graduate-admission/how-to-apply/information-international-students> (<https://english.clas.asu.edu/admission/graduate-admission/how-to-apply/information-international-students>)

The well-considered, one- to two-page, single-spaced statement of purpose should explain how the applicant's experience and training have prepared him or her for the program as well as the purpose for pursuing the doctorate. Applicants applying for funding must also submit a statement of teaching philosophy. Students should see the Department of English website for specific details.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/doctor-philosophy-english-literature>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## English (Writing, Rhetorics, and Literacies), PHD (LAENRHTPHD)

**Online Degree Search Title:** English (Writing, Rhetorics and Literacies), PhD

**Campus:** Tempe

**Program Description:**

The PhD in English with a concentration in writing, rhetorics and literacies promotes the study of rhetorical strategies, production, distribution and interpretation of oral, written, digital, visual, discursive, material and symbolic texts.

Students study the history, theories and methods of inquiry as well as pragmatic and social actions of writing, rhetoric and literacies. With theories and methods from both historical and contemporary contexts, students learn strategies for inquiry; the ways in which communication creates knowledge and action; and how communication is constructed, circulated, reacted to and repurposed over time and across space. Program requirements are designed to encourage a full understanding of theoretical and applied aspects of writing studies, rhetorical studies and literacy studies. Students also will be provided many opportunities to explore the intersections and tensions that exist within and between the three different areas of inquiry.

The program encourages transdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for entrance into the field as teachers, scholars and professionals.

**Degree Requirements:**

84 credit hours, a foreign language exam, a written comprehensive exam, a prospectus and a dissertation, or 84 credit hours, a foreign language exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ENG 501 Approaches to Research (3)



Concentration (9 credit hours)  
ENG 551 Rhetorical Traditions (3)  
ENG 552 Composition Studies (3)  
ENG 556 Theories of Literacy (3)

Focus Area (9 credit hours)

Electives or Research (18 credit hours)  
research methods (3)  
electives (15)

Other Requirements (3 credit hours)  
writing for publication/scholarly writing coursework (3)

Culminating Experience (12 credit hours)  
dissertation (12)

#### Additional Curriculum Information

Students may be allowed 30 credit hours from a previously awarded master's degree as approved by the academic unit and the Graduate College. Student who do not hold a master's degree are required to take additional elective and research credit hours to reach the 84 credit hours required for this program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants with bachelor's or master's degrees in fields such as anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, English literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religion, rhetoric, composition, sociology, and speech and hearing science will be considered.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- GRE general test scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the Department of English website for specific details about English proficiency requirements.

In the well-considered, one- to two-page, single-spaced statement of purpose, applicants should explain how their experience and training have prepared them for the program. Applicants should indicate their career goals and explain how these goals relate to the program in writing, rhetorics and literacies. Applicants applying for funding must also submit a statement of teaching philosophy. Applicants should see the Department of English website for specific details.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/doctor-philosophy-writing-rhetorics-literacies>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## English Education, MA (LAENEDMA)

Online Degree Search Title: English Education, MA

**Campus:** Tempe

**Program Description:**

The MA in English education is a one-year, intensive program designed to prepare practicing and transitioning teachers for careers as exemplary educators, teacher-researchers and leaders in English language arts instruction. Students in the program develop a deep understanding of the English language arts by learning how to access, analyze and apply research and best practices for teaching secondary students (grades 7-12). This program balances the refining of disciplinary knowledge with pedagogical application of that knowledge in classrooms. Students take a variety of dynamic, cutting-edge methods courses, including advanced methods courses in research in English education, methods of teaching writing and text, teaching postcolonial young adult literature, and teaching writing in an era of standardization.

This innovative course of study culminates with an inquiry project related to English language arts instruction in secondary classrooms. The program empowers students to employ teacher research and inquiry to address questions they have about their own students' learning and their own teaching practice.

**Degree Requirements:**

30 credit hours including the required applied project course (ENG 593).

Required Core (12 credit hours)

ENG 501 Approaches to Research (3)

ENG 506 Methods and Issues in Teaching Language (3)

ENG 507 Methods and Issues in Teaching Composition (3)

ENG 606 Advanced Studies in English Education (3)

Electives or Research (12 credit hours)

Other Requirements (3 credit hours)

ENG 594 Conference and Workshop (3)

Culminating Experience (3 credit hours)

ENG 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in English, creative writing, English education, secondary education or secondary curriculum and instruction, or a master's degree in education or a closely related field from a regionally accredited institution. Current certification in secondary English language arts (grades 6-12), or equivalent certification, or a minimum of two years teaching English language arts in a school setting is required.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

The one- to two-page statement of purpose should explain the applicant's background, reasons for wanting to do graduate work in English education, and goals. Three academic or professional letters of recommendation are required, and at least one must be from a faculty member familiar with the applicant's academic work.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English

<https://english.asu.edu/degrees/grad/masters-english-education>  
RBHL 130  
enggrad@asu.edu  
480-965-3224

## Environmental Communication and Leadership (Certificate), Certificate (LAECLGRCT)

**Online Degree Search Title:** Environmental Communication and Leadership (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

### Program Description:

Scientists must go beyond publishing in journals if they want their research to be relevant to society. However, academic training rarely covers how to communicate with the press, the public, policy makers and other relevant stakeholders. This certificate program in environmental communication and leadership gives graduate students in environmental disciplines the important leadership and communication skills needed to increase their influence and reach above and beyond academia.

### Degree Requirements:

15 credit hours.

Required Core (3)

BIO 578 Environmental Leadership and Communication (3)

Electives (12)

Policy and Management (3)

Communication (3)

Leadership (3)

Open Elective (3)

### Additional Curriculum Information

Students must choose three credit hours from each of the three categories with approval of the School of Life Sciences. If a student takes a course for fewer than three credit hours, the student must take more than one course in that category to meet the three credit hour requirement. Students should contact the School of Life Sciences for a complete list of courses.

Students choose one three credit hour elective course from any of the three categories above. Students should note that only three credit hours of approved 400 level coursework can appear on the plan of study.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Sample related fields include business, education, biology, geosciences, political science and English.

Applicants must have completed 12 undergraduate credit hours of natural science or social science coursework related to the environment at the time of application to the graduate certificate program. They must meet all other graduate admissions requirements. Courses will be reviewed by the School of Life Sciences graduate committee to ensure that they fulfill this requirement.

### Contact Information:

Liberal Arts & Sciences, The College of

School of Life Sciences  
https://sols.asu.edu  
LSA 212  
sols.grad@asu.edu  
480-727-3109

## Environmental Life Sciences, PHD (LAELSPHD)

**Online Degree Search Title:** Environmental Life Sciences, PhD

**Campus:** Tempe

### Program Description:

The PhD in environmental life sciences is a novel graduate degree program that provides doctorate-level training in several complementary fields focused on the interactions between organisms (e.g., plant, microbe, people and other animals) and the environment.

This unique program provides opportunities to train across many fields of study, including:

- biology
- biochemistry and chemistry
- conservation science
- ecology
- evolution
- environmental engineering
- geosciences
- mathematics and statistics
- spatial sciences
- social sciences
- sustainability

Graduate students are trained by means of a core class, taught by environmental life science faculty members, hands-on experiences in the lab and field, guidance from committee members across multiple disciplines, and research seminars.

The focus is on collaborative, interdisciplinary and integrative study of the causes and consequences of environmental variation across scales ranging from the organism to the globe. The overall goal is to provide a unique, interdisciplinary doctoral program that encourages students to explore and solve complex problems in the context of natural and anthropogenic environmental change.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ELS 501 Environmental Life Sciences: Grand Challenge: Global Climate Change (3)

Electives (69 credit hours)

Culminating Experience (12 credit hours)

ELS 799 Dissertation (12)

Addition Curriculum Information

ELS 501 is required for students to take during their first semester at ASU.

For electives, students should see the academic unit for approved coursework. Students also may take ELS omnibus courses to fulfill some of the elective requirements.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework are made up of electives and research.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/degrees/grad/environmental-life-sciences-phd>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## Environmental Social Science, PHD (LAESSPHD)

**Online Degree Search Title:** Environmental Social Science, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices is difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

This is the basis for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry or nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental

issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree program. This leaves 30 credit hours of coursework, 12 credit hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate degree program.

All students must maintain a 3.20 average GPA (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in the application materials.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/environmental-social-science-phd>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

**Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)**

**Online Degree Search Title:** Environmental Social Science (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

**Program Description:**

The PhD program in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry and nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

Concentration (12 credit hours)

Electives or Research (21 credit hours)

Culminating Experience (12 credit hours)

#### **Additional Curriculum Information**

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (scale is 4.00 = "A") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study and typically will have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

Students should see the academic unit for a complete list of approved electives and concentration courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/environmental-social-science-phd/cass>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## Environmental Social Science (Urbanism), PHD (LAESSURPHD)

**Online Degree Search Title:** Environmental Social Science (Urbanism), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The PhD in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology



- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry or in nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students are able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post admission.

Students entering without a master's degree must earn an additional 30 credit hours of graduate coursework, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate degree program.

All students must maintain a 3.20 average GPA (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

All students entering the program complete 18 credit hours of core classes in conceptual domains and topical foci. For the concentration in urbanism, 15 credit hours are to be selected from an approved list of applicable courses related to urbanism. Some of the environmental social science core courses also count toward the concentration in urbanism. These courses include the core urbanism course GCU 516 as well as one course from each of the four urbanism clusters:

- built form
- culture and society
- institutions and governance
- natural environment

Additional credit hours come from courses in research design, technical expertise and electives. Students may select from a substantial range of courses to satisfy noncore requirements.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores

- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
 SHESC 233  
[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)  
 480-965-6215

## Evolutionary Biology, PHD (LAEVOPHD)

**Online Degree Search Title:** Evolutionary Biology, PhD

**Campus:** Tempe

#### Program Description:

The evolutionary biology PhD is a transdisciplinary graduate degree program that provides doctorate-level training in the historical, conceptual, empirical and quantitative aspects of biological evolution.

Evolution is a fundamental scientific concept underlying all aspects of modern biological, environmental and health-related research. It cuts across biological sciences in ways that few other foci do and informs the theoretical foundations of subfields like population genetics and ecosystem ecology. It allows integration of information and patterns across levels of organization, informs the theoretical foundations of subfields ranging from population genetics to systematics to ecosystem ecology, and provides bridges between temporal and spatial scales.

Forgoing emphases on particular taxa or methods, the program focuses on understanding the patterns and processes that have and continue to shape life on Earth, training the next generation of scientists to use this knowledge to meet present and future challenges to the biosphere and human health in the face of increasing environmental perturbation.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

BIO 614 Biometry (4)

EVO 601 Principles of Evolution (3)

EVO 610 Research Areas of Evolution (2)

Electives (9 credit hours)

The program advisor as well as the student's advisor will determine these courses in conjunction with the student.

Other Requirements (54 credit hours)

research, coursework or 30 credit hours from a previously awarded master's degree

Dissertation (12 credit hours)

EVO 799 Dissertation (12)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Life Sciences  
<https://sols.asu.edu/degrees/grad/evolutionary-biology-phd>  
 LSA 181  
 sols.grad@asu.edu  
 480-965-1768

## Exploration Systems Design, PHD (LAESDPHD)

**Online Degree Search Title:** Exploration Systems Design, PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The PhD program in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering and sensor networks.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (70 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

#### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students will take two science courses selected from the SESE graduate catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

Instrumentation concentration:

An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Systems engineering concentration:

Successful completion of a senior capstone or design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Systems Engineering as a deficiency course.

Sensor networks concentration:

An undergraduate degree in electrical engineering or computer science is preferred.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Earth and Space Exploration

<https://sese.asu.edu>

ISTB4 795

[sese-grad@asu.edu](mailto:sese-grad@asu.edu)

480-965-5081

## Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)

**Online Degree Search Title:** Exploration Systems Design (Instrumentation), PhD

**Campus:** Tempe

**Program Description:**

The PhD program in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering and sensor networks. The instrumentation concentration prepares students interested in the development of state of the art sensors and systems for remote and in-situ sensing related to planetary science, Earth science and astronomy.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Concentration (9 credit hours)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students will take two science courses selected from the SESE graduate catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

Instrumentation concentration: An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

School of Earth and Space Exploration

<https://sese.asu.edu/degrees/graduate/exploration-systems-design-instrumentation-phd>

ISTB4 795

sese-grad@asu.edu

480-965-5081

## **Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)**

**Online Degree Search Title:** Exploration Systems Design (Sensor Networks), PhD

**Campus:** Tempe

#### **Program Description:**

The PhD in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and

Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum will integrate the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering and sensor networks. The sensor networks concentration prepares students interested in the development of networked software and hardware systems related to Earth and Space exploration, including robotics, data science and high-performance computing.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium

Concentration (9 credit hours)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students will take two science courses selected from the SESE graduate catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

Sensor networks concentration: An undergraduate degree in electrical engineering or computer science is preferred.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate/exploration-systems-design-sensor-networks-phd>  
ISTB4 795  
sese-grad@asu.edu  
480-965-5081

## Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)

**Online Degree Search Title:** Exploration Systems Design (Systems Engineering), PhD

**Campus:** Tempe

### Program Description:

The PhD in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering and sensor networks. The systems engineering concentration prepares students in the design, planning, creation and operation of complex exploration systems, including spaceflight and missions and large, multidisciplinary experiments.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Concentration (9 credit hours)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students will take two science courses selected from the SESE graduate course catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores

- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Systems engineering concentration: Successful completion of a senior capstone or design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Exploration Systems Engineering as a deficiency course.

#### Contact Information:

Liberal Arts & Sciences, The College of

School of Earth and Space Exploration

<https://sese.asu.edu/degrees/graduate/exploration-systems-design-systems-engineering-phd>

ISTB4 795

sese-grad@asu.edu

480-965-5081

## Family and Human Development, MS (LAFAMHDMS)

**Online Degree Search Title:** Family and Human Development, MS

**Campus:** Online

#### Program Description:

The MS in family and human development provides practitioner-oriented professionals with an understanding of relationships and developmental dynamics. Students learn how to effectively evaluate and consume research, translate research into best practices, and apply these principles at work.

The online format provides easy access to rigorous and valuable information that informs best practices in improving the lives of families and family members. The program also includes a customizable culminating experience that allows students to focus their training in their areas of interest and work.

#### Degree Requirements:

30 credit hours including the required capstone course (FAS 588).

Required Core (9 credit hours)

CDE 531 Theoretical Issues in Child Development (3)

FAS 586 or SOC 586 Capstone I (3)

FAS 587 or SOC 587 Capstone II (3)

Electives or Research (18 credit hours)

FAS 500 Research Methods (3)

CDE 501 Social Statistics (3)

diversity course (3)

other elective coursework (9)

Culminating Experience (3 credit hours)

FAS 588 Capstone III (3)

#### Additional Curriculum Information

Students complete the coursework and culminating experience courses in consultation with the assigned faculty advisor. The plan of study should be completed and approved by the faculty advisor once completing 50 percent of the minimum required credit hours for the degree. Acceptance of the proposed plan of study must be verified by the signature of the chair and faculty advisor. After approval from the program or college, the plan of study is submitted to the Graduate College for final approval.



FAS 500 and CDE 501 may be replaced by equivalent courses with approval by the academic advisor.

The diversity course and other elective coursework are chosen with approval by the academic advisor. The remaining elective credits must be from the FAS, CDE or SOC prefixes.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- current resume or curriculum vitae
- personal statement of goals relevant to the master's degree program
- two letters of recommendation from professional or academic backgrounds
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement must be four to five pages, double-spaced, and must address the applicant's professional goals, the applicant's strengths that will enable the applicant to succeed in the program, and relevant professional experience or responsibilities to the program.

Letters of recommendation must be from at least two academic or professional sources. Family members or friends do not meet this criterion. Applicants should see the program website for full application deadlines and admission terms and details.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-family-and-human-development/>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanforsschool.asu.edu/degree-programs/graduate-programs/family-and-human-development-ms>  
SS 144  
graduatesanford@asu.edu  
480-965-6978

## Family and Human Development, PHD (LAFAMSCPHD)

**Online Degree Search Title:** Family and Human Development, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in family and human development is devoted to the study of families, children and youth. The program's research, teaching and service have direct meaning in the lives of children and adults, and for the families and communities in which they live.

The faculty share a common commitment to high-quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

**Degree Requirements:**

85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

FAS 503 Academic Professional Development (3)

Electives (40 credit hours)

Other Requirements (26 credit hours)

CDE 531 Theoretical Issues in Child Development (3)

FAS 500 Research Methods (3)

FAS 531 Theoretical Issues in Family Sciences (3)

FAS or CDE 598 Quantitative Methods in the Social Sciences I (3)

FAS or CDE 598 Quantitative Methods in the Social Sciences II (3)

FAS or CDE 598 Quantitative Methods I Lab (1)

FAS or CDE 598 Quantitative Methods II Lab (1)

two graduate level courses in advanced methods or statistics (6)

one graduate level diversity course (3)

Research (6 credit hours)

FAS or CDE 592 Research (6)

Culminating Experience (12 credit hours)

FAS or CDE 799 Dissertation (12)

Additional Curriculum Information

Postbaccalaureate (for students entering after the bachelor's degree): Of the 85 credit hours for a postbaccalaureate program, six credit hours are dedicated to an empirical project and 12 credit hours are for the dissertation.

Post-master's (for students entering after the master's degree): When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. Of the 55 credit hours of the post-master's degree program, 12 credit hours are for the dissertation.

Electives should be chosen in consultation with and approval of the advisor. Electives may be selected within or outside of the Sanford School. All elective courses must be 500 level or higher.

Substitutions for all courses listed under other requirements may be made per department approval.

For the diversity course requirement, students should refer to the department for a list of approved courses.

For the advanced methods or statistics requirement, students will take two courses with content that advances beyond Quantitative Methods I and II.

**Admission Requirements:**

Applicants must fulfill the requirements of both the the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a resume or curriculum vitae
- statement of goals relevant to the doctoral program
- three letters of recommendation
- verbal, quantitative and analytical GRE scores
- proof of English proficiency

Additional Application Information:

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score of at least 600.

The personal statement must be four to six pages, double-spaced, and address the applicant's professional goals, the applicant's strengths that will enable the applicant to succeed in the program, a detailed description of past research experience, relevant professional experiences or responsibilities, and specific personal research interests. The applicant also must identify two or three faculty members whose research interests match their own and explain why they are good matches.

Three letters of recommendation are required. These must include at least one from an instructor at the applicant's institution where undergraduate or graduate work was completed. The letters should be from people who know the applicant in a professional or academic capacity. Letters from family members or friends do not meet this criterion.

Students should see the program website for full application deadlines.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanforsschool.asu.edu/degree-programs/graduate-programs/family-and-human-development-phd>  
SS 144  
graduatesanford@asu.edu  
480-965-6978

## French (Comparative Literature), MA (LAFRECLMA)

**Online Degree Search Title:** French Comparative Literature, MA

**Campus:** Tempe

**Program Description:**

The School of International Letters and Cultures offers a graduate program in French leading to the MA in French with concentration in comparative literature.

**Degree Requirements:**

30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

Graduate students may take only 500-level courses for graduate credit. At least nine credit hours must be selected from those courses listed exclusively for graduate students. The program must include:

- FRE 500 Bibliography and Research Methods (3)
- two courses in linguistics, civilization or translation, of which one course must be in linguistics
- one course in critical or cultural theory

It is recommended that the candidate enroll in FRE 500 as early as possible.

A minimum of four core courses offered by the French section must be selected from any combination of the following categories:  
Academic Catalog Archive 2019-2020

- Francophone studies courses
- genre courses
- period courses

When approved by the graduate committee, up to six credit hours of related coursework may be taken outside of French.

A student must achieve a GPA of "B" (3.00 on a 4.00 scale) or higher in all work specifically included in the plan of study. Grades below a "C" (2.00) cannot be used to meet the requirements of a graduate degree. No student may accumulate more than one incomplete at any one time.

Independent study courses will be given only under exceptional circumstances and will not duplicate courses which are available. The French graduate committee is responsible for authorizing such work in cooperation with the individual professor. No more than three credit hours of independent study will be permitted.

Students must complete an applied project.

The written examination for the concentration in comparative literature will be administered by the interdepartmental committee for comparative literature and will consist of two essay-based components: general concepts of comparative literature and problems of comparative literature.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The writing sample should represent the applicant's thinking as well as writing skills, and it should be written in French on a topic connected with the language or French culture. The writing sample should be approximately five to 10 pages in length.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
 School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/french-comparative-literature-ma>  
 LL 440  
 silc@asu.edu  
 480-965-6281

## **French (Linguistics), MA (LAFRELINMA)**

**Online Degree Search Title:** French Linguistics, MA

**Campus:** Tempe

#### **Program Description:**

The School of International Letters and Cultures offers a graduate program in French leading to an MA degree in French with concentrations in literature, linguistics or comparative literature.

**Degree Requirements:**

30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

The plan of study for the master's degree includes:

- an applied project
- a minimum of 30 credit hours of graduate-level work as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department
- in some programs, six credit hours in another language or in closely related courses (when approved by the candidate's supervisory committee)

All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list as agreed upon serves as a guide to prepare for this examination.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in French on a topic connected with the language or French culture; it should be approximately five to 10 pages in length.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/french-linguistics-ma>  
LL 440  
silc@asu.edu  
480-965-6281

**French (Literature), MA (LAFRELITMA)**

**Online Degree Search Title:** French Literature, MA

**Campus:** Tempe

**Program Description:**

The School of International Letters and Cultures offers an MA in French with concentrations in literature, linguistics or comparative literature.

**Degree Requirements:**

30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

The plan of study for the master's degree includes:

- an applied project
- a minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department

When approved by the candidate's supervisory committee, six credit hours in another language or in closely related courses may be included in the program.

All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in French on a topic connected with the language or French culture; it should be approximately five to 10 pages in length.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/french-literature-ma>  
LL 440  
silc@asu.edu  
480-965-6281

## Gender Studies, PHD (LAGSTPHD)

**Online Degree Search Title:** Gender Studies, PhD

**Campus:** Tempe

**Program Description:**

The gender studies PhD program is part of the nation's first School of Social Transformation. The diverse community of scholars takes an innovative approach to the study of social justice by uniting multiple academic disciplines to strategically create social change that is democratic, inclusive and just.

The inclusive gender studies doctoral program empowers tomorrow's community leaders and shapers by immersing them in:

- ASU's on-campus Digital Humanities research lab
- creative and critical knowledge production
- deep fluency in feminist theory and practical applications
- publicly engaged academic research
- socially embedded community partnerships

The connections between social locations, community and lived experience are the foundation of the research, teaching and community engagement. Faculty and students explore these intersections from a holistic perspective that goes beyond the classroom.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

WST 601 Critical Concepts of Gender (3)

WST 602 Mapping the Intersections of Gender (3)

WST 603 Engendering Methodology (3)

WST 701 Research Design and Proposal Development in Gender Studies (3)

Elective Coursework in Methodology (6 credit hours)

Elective Coursework in Specialization (12 credit hours)

General Electives (30 credit hours)

Research and Dissertation (24 credit hours)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives to reach the required 84 credit hours.

Students should see the academic unit for a complete list of approved electives.

The gender studies doctoral program is designed to provide students with the transdisciplinary training in theory and methods needed to conduct original research and scholarship about gender.

Students also take two research methods courses relevant to their dissertation, plus additional courses chosen from three areas of specialization: gender, justice and social change; health, science and technology; and visual and narrative culture.

Students must maintain a 3.50 average GPA (scale is 4.00 = "A") in their courses.

Gender, Justice and Social Change --- Courses in this area explore the gender dimension of social structures, institutions and organizations; the processes of social change and community development; and the ways policies and laws can change gender relations. Faculty have expertise in:

- child welfare
- domestic violence
- gender and the biophysical environment
- globalization
- immigration
- labor and employment
- social policy
- sustainability
- transnational feminisms

- women's rights and gender equality in the developing world

Health, Science and Technology --- Courses in this area explore the impact of gender on:

- health care
- health occupations
- science and technology

Faculty have expertise in:

- bioethics
- gender and technology
- health and sexuality
- HIV and AIDS prevention
- the participation of women in math and science in the developing world
- women's roles as healers and caregivers

Visual and Narrative Culture --- Courses in this area explore historical and contemporary representations of gender in all genres, including:

- art
- literature
- popular culture
- scientific, medical, historical and legal discourse
- theater

The faculty focus especially on the intersections of gender representations with representations of race, sexuality and class, and the ways in which representations produce rather than simply mimic gender inequality and polarized identities.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

The gender studies program welcomes applications from qualified students without regard to race, creed, color, religion, sex or national origin. Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official copies of all undergraduate and graduate transcripts
- resume or curriculum vitae



- statement of purpose
- three letters of reference, preferably from faculty or other researchers
- writing sample (10-15 pages)
- proof of English language proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the ASU Graduate Admission Services website for mailing addresses and further admission information.

For additional financial information, students should consult the Financial Aid website at <https://students.asu.edu/financial-aid> (<https://students.asu.edu/financial-aid>).

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Social Transformation  
<https://sst.asu.edu/degrees/grad/gender-studies-phd>  
 WILSN 125  
 SSTgraduate@asu.edu  
 480-965-7682

## Gender Studies (certificate), Certificate (LAWSTGRCT)

**Online Degree Search Title:** Gender Studies (Graduate Certificate)

**Campus:** Tempe

#### Program Description:

The graduate certificate program in gender studies offers graduate students the opportunity to enhance their advanced degrees with demonstrated proficiency and knowledge about gender research and theories that they may apply in their own fields. The certificate is pursued in tandem with any graduate degree program at ASU.

#### Degree Requirements:

15 credit hours.

Required Core (6 credit hours)

WST 601 Critical Concepts in Gender (3)

WST 602 Mapping the Intersections of Gender (3)

Electives (9 credit hours)

#### Additional Curriculum Information

Elective courses may be chosen from other WST graduate courses or from more than 30 approved courses from other departments throughout the university. Other courses may also be used with the graduate director's approval.

Up to six credit hours not used for another ASU degree or certificate can be transferred from another university, with the graduate director's approval. Courses should be recorded on the transfer section of the student's interactive program of study.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The certificate is not offered as a stand-alone, certificate-only program. It is open only for degree-seeking students. However, up to nine credit hours of ASU nondegree credit can be transferred into the program for those who eventually gain admission into an ASU graduate degree program.

Students should see the program website for more information about the certificate and to design coursework.

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/content/gender-studies-grad-certificate>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## Geographic Education, MAS (LAGEOEDMAS)

**Online Degree Search Title:** Geographic Education, MAS

**Campus:** Tempe, Online

ASU is not currently accepting applications for this program.

#### Program Description:

The MAS program in geographic education provides teachers with the opportunity to obtain a highly qualified status in geographic education. The degree program is intended for K-12 teachers and is appropriate for both elementary and secondary school teachers.

#### Degree Requirements:

30 credit hours and an applied project.

Required Core (3 credit hours)

COE 501 Introduction to Research and Evaluation in Education (3)

Geography Coursework (24 credit hours)

Culminating Experience (3 credit hours)

DCI 593 Applied Project (3) or

SED 593 Applied Project (3)

Additional Curriculum Information

Students should see the academic unit for an approved course list.

Students are required to have access to a computer with an Internet connection and the capability to view video and animated files with sound, access to email, and access to a word processing program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in education, geography or related area from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. One letter must be from a former instructor.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Geographic Information Science (certificate), Certificate (LAGEOGISCE)

**Online Degree Search Title:** Geographic Information Science (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The geographic information sciences certificate program teaches students the theoretical aspects of GIS, the technical side of the discipline, and applications of the science. Students learn how to analyze policy problems and research questions from a spatial lens, acquire and analyze remotely sensed data, and model spatial phenomenon.

Skills in geographic information science and geospatial data analytics offer students market-ready tools for turning novel sources of spatial data into informed practice and prepare students to address issues such as climate change, population growth and aging and active transportation. The certificate program enables ASU graduate students from all disciplines and GIS professionals to learn how to apply GIS concepts and technology to build invaluable problem-solving skills.

The certificate is intended as either a specialization within an existing master's degree or a stand-alone nondegree program for practicing professionals with a previously earned graduate degree.

**Degree Requirements:**

16 credit hours including the required capstone course (GPH 591 or GIS 591).

- a capstone seminar (1)
- three required courses (9)
- two elective courses (6)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they are currently pursuing a master's degree at ASU or have earned a master's degree and are currently practicing professionals.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement must be a one-page letter describing the applicant's overall objective for the GIS certificate program. It should clearly state the applicant's interest in GIS and provide evidence that the certificate will enhance the applicant's education or current employment.

For currently practicing professionals, a final transcript from the master's degree-granting institution must be submitted.

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/giscert>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Geographic Information Systems, MAS (LAGISMAS)

**Online Degree Search Title:** Geographic Information Systems, MAS

**Campus:** Tempe

#### Program Description:

The MAS in geographic information systems is a compact, one-year nonthesis degree program fostering advanced study in the management and use of GIS technology in public and corporate environments. The degree program meets important educational needs of working professionals and recent college graduates seeking to improve their career standing.

The program provides a comprehensive professional degree that balances work in the theoretical aspects of GIS, the technical side of the discipline, and the applications domain. Students are exposed to cutting-edge technology, with a focus on building invaluable problem-solving skills, and the opportunity to work on real-world GIS projects.

Courses are held in the evenings during the week, so the curriculum is highly adaptable to the work environment, and the master's degree is achievable in a one-year time period. A new group of students begins the program each August, attending evening classes during the fall and spring semesters. Upon completion of the spring semester, students select a capstone project they complete during a summer eight-week session. Final presentations take place in mid-July, and in fewer than 11 months the degree program is complete.

#### Degree Requirements:

30 credit hours including the required applied project course (GPH 693 or GIS 693).

Enrolled students must complete three sequential semesters of coursework:

##### First Semester

Offered during the fall, this semester is composed of six two-credit hour modules that are not transferable.

##### Spring Semester

Students in this semester must complete four three-credit hour courses.

##### Final Semester

Students must complete a three-credit hour GIS internship and a three-credit hour applied project course during the final semester, which is offered in the eight-week summer session.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field from a regionally accredited institution or if they demonstrate a minimum of three years related professional experience with a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- personal statement
- resume
- two letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must prepare a formal, written personal statement regarding relevant academic experience, professional experience and overall interest in GIS.

Letters of recommendation must be from two people who can attest to the applicant's academic and professional achievements. Letters can be from any combination of current or former instructors, supervisors or professionals currently employed within the GIS or related discipline.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees/master-gis>  
 COOR 5671  
 SGSUP.gradprograms@asu.edu  
 480-965-7533

## Geography, MA (LAGEOGMA)

**Online Degree Search Title:** Geography, MA

**Campus:** Tempe

#### Program Description:

The MA program in geography is designed to offer specialized academic and professional training in geography so students may secure a sound graduate background for further specialization or for immediate employment. The program has sufficient flexibility to allow for individual needs and interests, allowing students to create a plan of study that fits their personal and professional goals.

Students in the master's degree program have the ability to build a path of knowledge that reflects their personal interests within the realms of geography. Students work alongside esteemed faculty members to conduct research in one of four broad interdisciplinary themes: computational spatial science; earth systems and climate science; place, identities and culture; or sustainability science and studies.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Geography, BS
- Geography, BA
- Geography (Meteorology-Climatology), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis.

Required Core (6 credit hours)

GCU 529 Contemporary Geographic Thought (3)

GCU 585 Geographic Research Design and Proposal Writing (3)

Electives or Research (18 credit hours)

Culminating Experience (6 credit hours)

thesis (6)

Additional Curriculum Information

Students select additional elective or research coursework in consultation with their advisory committee.

The School of Geographical Sciences may consider a student for a traditional master's degree program that includes the successful defense of a thesis. Master's degree students must complete the coursework at ASU.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement must address four items:

- What specialty in geography does the applicant wish to pursue, and why?
- What aspects of the applicant's education (a description is needed) will enable the student to pursue this specialty?
- What additional training does the applicant believe can be obtained at Arizona State University to realize the applicant's educational and career goals?
- Applicants should provide any other information they feel should be considered in their application for admission (e.g., research experience or information which might be drawn from the applicant's resume).

Letters of recommendation must be from three faculty members who can attest to the applicant's academic achievements.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees/master-geography>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

**Geography, PHD (LAGEOPHD)**

**Online Degree Search Title:** Geography, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in geography provides specialized academic and professional training in geographical sciences to enable graduates to secure a sound background for further research and teaching and for immediate employment.

Students in the program have the ability to build a path of knowledge that reflects their personal interests within the realms of geography. Students work alongside esteemed faculty on research in one of four broad interdisciplinary themes: computational spatial science; earth systems and climate science; place, identities and culture; or sustainability science and studies.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

GCU 585 Geographic Research Design and Proposal Writing (3)

Electives or Research (30-60 credit hours)

Other Requirement (9 credit hours)

GCU 529 Contemporary Geographic Thought (3)

GCU 591 Seminar (3)

GPH 591 Seminar (3)

Culminating Experience (12 credit hours)

GCU 799 Dissertation (12)

Additional Curriculum Information

Doctoral students entering with a bachelor's degree must complete 84 credit hours. These hours include 72 credit hours of coursework and research at ASU and 12 dissertation credit hours.

Doctoral students entering with a master's degree must complete 54 credit hours. These include 42 credit hours of combined coursework and research hours at ASU and 12 dissertation credit hours.

Coursework and research hours are selected by the student in consultation with an advisory committee.

Up to six credit hours of 400-level coursework may be applied toward the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores

- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Incoming students must demonstrate or attain competence in cartography and quantitative methods and complete other basic coursework that will enable them to pursue graduate studies in their area of specialization.

The personal statement must address four items:

- What specialty in geography does the applicant wish to pursue, and why?
- What aspects of the applicant's education (a description is needed) will enable the student to pursue this specialty?
- What additional training does the applicant believe can be obtained at Arizona State University to realize the applicant's educational and career goals?
- Applicants should provide any other information they feel should be considered in their application for admission (e.g., research experience or information which might be drawn from the applicant's resume).

Letters of recommendation must be from three faculty members who can attest to the applicant's academic achievements.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees/phd-geography>  
 COOR 5671  
 SGSUP.gradprograms@asu.edu  
 480-965-7533

## Geological Sciences, MS (LAGEOSCMS)

**Online Degree Search Title:** Geological Sciences, MS

**Campus:** Tempe

#### Program Description:

The MS program in geological sciences is designed to provide fundamental graduate training in geology. Students are encouraged to cross subject boundaries and pursue new understandings of Earth and the solar system.

Graduates of the program are prepared for further graduate study or for careers in geochemistry, geology, geophysics, planetary geology, hydrology and related areas.

#### Degree Requirements:

30 credit hours and a thesis.

Required Core (1 credit hour)  
 SES 502 Exploring SESE Research (1)

Electives or Research (22 credit hours)

Other Requirements (1 credit hour)  
 SES 501 SESE Colloquium (1)

Culminating Experience (6 credit hours)  
 SES 599 Thesis (6)

#### Additional Curriculum Information

Substitutions for Other Requirements may be made per department approval.



**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should see the program website for application deadlines.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate/geological-sciences-ms>  
ISTB4 795  
sese-grad@asu.edu  
480-965-5081

## Geological Sciences, PHD (LAGEOSCPHD)

**Online Degree Search Title:** Geological Sciences, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in geological sciences is designed to develop creative scholarship and to prepare students for professional careers in geological science fields such as geochemistry, geology, geophysics, planetary geology, hydrology and related areas.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (70 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

Additional Curriculum Information

When approved by the students supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Substitutions for Other Requirements may be made per department approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate/geological-sciences-phd>  
ISTB4 795  
sese-grad@asu.edu  
480-965-5081

## German, MA (LAGERMMA)

**Online Degree Search Title:** German, MA

**Campus:** Tempe

**Program Description:**

The faculty in the School of International Letters and Cultures offer graduate programs leading to the MA degree with a major in German. Students admitted to the master's degree program with a major in secondary education may select German as their subject matter field.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (GER 593).

The plan of study for the master's degree includes a minimum of 30 credit hours of graduate-level work and a thesis or an applied project, as approved by the candidate's supervisory committee. The program must include a 500-level bibliography and research methods course offered by the school. When approved by the candidate's supervisory committee, nine credit hours in another language or in closely related courses may be included in the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in German, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Those who lack this background but who show strong potential and meet the Graduate College admission requirements may be admitted to a

graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in German on a topic connected with the language or German culture.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/german-ma>  
LL 440  
silc@asu.edu  
480-965-6281

## Global Health, MA (LASSHMA)

**Online Degree Search Title:** Global Health, MA

**Campus:** Tempe

**Program Description:**

In this MA program, global health is considered to be much more than and very different from international public health. It emphasizes that major health challenges stem from many factors well beyond disease itself --- factors that are:

- cultural
- ecological
- evolutionary
- historical
- institutional
- social
- technological

Any effective, sustainable solutions to the most pressing global health challenges need to take all of these factors into account, including the complex ways in which they relate to each other. In this manner, this degree program teaches students to understand health as not simply a product of disease, but rather emerging in the contexts of complex and interrelated ecology, politics, history, culture, social institutions and evolutionary biology. It also places primacy on how to address the broader (i.e., structural, cultural) bases of ill health in complicated, ever-changing health challenges in low-resource community settings and a globalizing world. To do this, the program combines both social and life science theories with on-the-ground research and its application. There is a strong emphasis on collaborative action as key to identifying and addressing global health problems in a sustainable and meaningful way.

Students accepted into the program are tied to ongoing transdisciplinary global health projects that address complicated, multifaceted health challenges that defy easy fixes, such as:

- climate change-related diseases
- emerging infectious diseases
- obesity

By applying a collaborative, problem-solving format, the master's degree program in global health is intended to provide those planning to enter health or related fields (i.e., environmental, social) with the transdisciplinary orientation, team skills and social and cultural acuity that the Pew Health Professions Commission *inter alia* has identified as critical but lacking in current health workforce training. The program also emphasizes experiential learning as a way to gain mastery and requires participation in a global internship program based in one of the international partnering communities.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Health, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 Credit Hours including the required applied project course (SSH 593).

Required Core (3 credit hours)

ASB 510 Health: Social and Biocultural Theories (3)

Open Electives (6 credit hours)

Restricted Electives (6 credit hours)

ASB 580 Practicum (1-6)

ASB 583 Fieldwork (1-6)

ASB 584 Internship (1-6)

Other Requirements (9 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 503 Medical Anthropology (3)

SSH 591 Seminar: Principles of Epidemiology for Global Health (3)

Culminating Experience (6 credit hours)

SSH 593 Applied Project (6)

Additional Curriculum Information

For restricted electives, students complete at least six credit hours from the list above.

Substitutes may be permitted by the graduate director for other requirement and restricted elective coursework. Additional methods-focused courses or graduate-level epidemiology courses can count toward these requirements.

Applied projects are completed in consultation with a faculty advisor. Students may use the fieldwork, internship or practicum experience as part of the research for the applied project.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the social or life sciences (i.e., anthropology, sociology, gender studies, geography, political science), public health or related fields (i.e., nutrition, human biology) from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

Admission is competitive and based on student academic excellence, additional relevant experience, and fit with available faculty. Value will be placed on foreign language skills; practical, cross-cultural and international experiences; and prior social science and life science research.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/global-health-ma>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## Global Health, PHD (LASSHPHD)

**Online Degree Search Title:** Global Health , PhD

**Campus:** Tempe

**Program Description:**

The PhD in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU, including the 15 medical anthropologists on campus, it also takes advantage of a much wider set of skills offered by experts in such fields as medical sociology, demography, human geography and epidemiology. The program is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as the commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from throughout the university to consider how cutting-edge social science can be applied to understand and substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

SSH 510 Health: Social and Biocultural Theories (3)

Electives (41 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 591 Topic: Professionalism (1)

ASM 579 Proposal Writing (3)

SSH 591 Topic: Principles of Epidemiology for Global Health (3)

systematic methods courses (6)

Research (12 credit hours)

SSH 792 Research (12)

Culminating Experience (12 credit hours)

SSH 799 Dissertation (12)

Additional Curriculum Information

For electives, students should see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology or biostatistics and ethnography (such as nutrition, survey, archival analysis, demography or geographic information systems) should be selected.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework will be made up of electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology (or equivalent) at the senior level, and also should have some background in statistics or epidemiology.

Applicants may submit with their application materials an optional scholarly writing sample of at least 20 but no more than 30 double-spaced pages.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/global-health-phd>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## **Global Health (Complex Adaptive Systems Science), PHD (LASSHCPHD)**

**Online Degree Search Title:** Global Health (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

#### **Program Description:**

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

This transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU, including the 15 medical anthropologists on campus, it also takes advantage of a much wider set of skills offered by faculty from such fields as medical sociology, demography, human geography and epidemiology. The program is

designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as the commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws together some 80 faculty members from across the university to consider how cutting-edge social science can be applied to understand and substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems perspective at Arizona State University and emphasizes the value of a complex adaptive systems science perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

SSH 510 Health: Social and Biocultural Theories (3)

Concentration (15 credit hours) ASM 570 Fundamentals of Complex Adaptive Systems Science (3)

Complex Adaptive Systems Science Mathematics Course (3)

Complex Adaptive Systems Science Modeling Course (3)

Complex Adaptive Systems Science Application Course (3)

Complex Adaptive Systems Science Related Research Course (3)

Electives (26 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 591 Topic: Professionalism (1)

ASM 579 Proposal Writing (3)

SSH 591 Topic: Principles of Epidemiology (3)

Systematic Methods Courses (6)

Research (12 credit hours)

SSH 792 Research (12)

Culminating Experience (12 credit hours)

SSH 799 Dissertation (12)

Additional Curriculum Information

Students should see the academic unit for approved concentration coursework.

For electives, students should see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology/biostatistics and ethnography, such as nutrition, survey, archival analysis, demography, or geographic information system, should be selected.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework will be made up of electives.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and students typically will have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should already have completed at least 15 credit hours of social science and six credit hours of human biology, or equivalent, at the senior level and should also have some background in statistics or epidemiology.

Applicants may submit with their application materials an optional scholarly writing sample of at least 20 but no more than 30 double-spaced pages.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/global-health-phd/cass>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## Global Health (Culture and Health), PHD (LASSHCHPHD)

**Online Degree Search Title:** Global Health (Culture and Health), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The PhD in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as the commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:



- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws together some 80 faculty members from across the university to consider how cutting-edge social science can be applied not only to understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The concentration in culture and health provides focused, specialized training in theories and methods for researching the relationship between culture and health. This concentration utilizes the perspectives of medical anthropology and sophisticated ethnographic methods to study and interpret the role of cultural and social differences in shaping health. Students investigate these methods in the context of the community-based, participatory approaches that tend to promote the most mutually meaningful and lasting health solutions. Graduates are thus particularly prepared for leadership in addressing health disparities in cross-cultural settings and with the most vulnerable populations. This includes very complex, difficult settings where particularly nuanced and sophisticated (often anthropological) understandings of health-related challenges are needed.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

SSH 510 Health: Social and Biocultural Theories (3)

Concentration (12 credit hours)

ASB 503 Advanced Medical Anthropology (3)

ESS 513 Institutions (3), or ESS 514 Urban and Environmental Health (3)

SSH 503 Instructional Internship in Global Health (3)

SSH 511 Ethics in Health Social Science (3), or SSH 512 Social Science Applications in Community Health (3), or ASB 502 Applied Medical Anthropology (3)

Electives (26 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 591 Topic: Professionalism (1)

ASM 579 Proposal Writing (3)

SSH 591 Topic: Principles of Epidemiology (3)

Systematic Methods Courses (6)

Research (15 credit hours)

ASB 500 Ethnographic Research Methods (3)

SSH 792 Research (12)

Dissertation (12 credit hours)

SSH 799 Dissertation (12)

Additional Curriculum Information

For the concentration coursework, students select ESS 513 or ESS 514, and they also choose one course from SSH 511, SSH 512 or ASB 502.

For electives, please see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology/biostatistics and ethnography (such as nutrition, survey, archival analysis, demography, or geographic information system should be selected.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework will

be made up of electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology (or equivalent) at the senior level, and should also have some background in statistics or epidemiology.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)  
480-965-6215

## Global Health (Evolutionary Global Health Sciences), PHD (LASSHEPHD)

**Online Degree Search Title:** Global Health (Evolutionary Global Health Sciences), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings such as commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology

- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws together some 80 faculty members from throughout the university to consider how cutting-edge social science can be applied not only to understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The concentration in evolutionary global health sciences requires training in universal principles of research design (from experiments to systematic qualitative and quantitative description), data analyses, methods (quantitative and qualitative) and anthropological interpretation (or the identification of determinants of the origins and distribution of health phenotypes in past and present human populations). Students choose from a wide range of data collection and inferential tools in order to address specific questions, through a combination of lecture and guided reading courses designed to master the highly diverse literature in evolutionary global health sciences that best pertains to their career goals.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

SSH 510 Health: Social and Biocultural Theories (3)

Concentration (12 credit hours)

ASB 503 Medical Anthropology (3)

ASM 560 Human Growth and Development (3)

ESS 513 Institutions (3)

ASM 456 Infectious Disease and Human Evolution (3), ESS 514 Urban and Environmental Health (3), or SSH 514 Urban and Environmental Health, or SSH 591 Topic Principles of Epidemiology for Global Health (3)

Electives (26 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 591 Topic: Professionalism (1)

ASM 579 Proposal Writing (3)

SSH 591 Topic: Principles of Epidemiology (3)

Systematic Methods Courses (6)

Research (15 credit hours)

ASB 500 Ethnographic Research Methods (3)

SSH 792 Research (12)

Culminating Experience (12 credit hours)

SSH 799 Dissertation (12)

Additional Curriculum Information

For the concentration coursework, students choose one course from ASM 456, ESS 514, SSH 514, or SSH 591 Topic Principles of Epidemiology for Global Health.

For electives, please see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology/biostatistics and ethnography (such as nutrition, survey, archival analysis, demography, or geographic information system) should be selected.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework will be made up of electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology (or equivalent) at the senior level, and also should have some background in statistics or epidemiology.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## Global Health (Urbanism), PHD (LASSHURPHD)

**Online Degree Search Title:** Global Health (Urbanism), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The PhD in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings such as the commercial sector, government agencies and nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from all across the university to consider how cutting-edge social science can be applied not only to

understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research into societies --- from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The concentration in urbanism will leverage the varied interests in urbanism and help emerging scholars as they attempt to compare, contrast and take stock of urbanism as it pertains to the thematic foci of the program. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

SSH 510 Health: Social and Biocultural Theories (3)

Concentration (15 credit hours)

GCU 516 Principles of Urbanism (3)

Built Form Course (3)

Culture and Society Course (3)

Institutions and Governance Course (3)

Natural Environment Course (3)

Electives (26 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 591 Topic: Professionalism (1)

ASM 579 Proposal Writing (3)

SSH 591 Topic: Principles of Epidemiology (3)

Systematic Methods Courses (6)

Research (12 credit hours)

SSH 792 Research (12)

Culminating Experience (12 credit hours)

SSH 799 Dissertation (12)

Additional Curriculum Information

Students should see the academic unit for approved concentration coursework.

For electives, students should see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology/biostatistics and ethnography (such as nutrition, survey, archival analysis, demography, or geographic information system) should be selected.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework will be made up of electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals

- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology (or equivalent) at the senior level, and also should have some background in statistics or epidemiology.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
 SHESC 233  
[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)  
 480-965-6215

## Global Security, MA (LAGSCMA)

**Online Degree Search Title:** Global Security, MA

**Campus:** Online

#### Program Description:

The MA in global security is an interdisciplinary, fully online program designed to aid professional advancement in government, military, nonprofit and private sector careers. Students are trained to critically engage international security issues in a comprehensive manner.

The program is based on four key pillars: enabling innovative strategic thinking; developing analytic tools; supporting critical interdisciplinary engagement; and encouraging flexible and resilient approaches to the inherently complex challenges of current and future global security.

Students may pursue the master's degree from anywhere in the world, study while working full-time or part-time, and may advance at their own pace. The program assists students in gaining a grounded and relevant understanding of major global trends while developing critical analytic skills to improve their capacity to succeed in multiple career paths related to domestic and international security.

#### Degree Requirements:

30 credit hours including the required capstone course (GSC 550).

Required Core (3 credit hours)

GSC 501 War, Conflict and Security (3)

Electives or Research (24 credit hours)

Culminating Experience (3 credit hours)

GSC 550 Capstone (3)

#### Additional Curriculum Information

For electives or research, students take eight courses from a restricted list for a total of 24 credit hours. Students should contact the academic unit for the approved course list. Other coursework may be used with approval of the academic unit.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the humanities (English, history, etc.); social sciences (anthropology, sociology, political science, etc.); sciences (biology, chemistry, etc.); policy (public administration, etc.); computer science; engineering (all subfields); or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must submit at least one letter of recommendation for admission. Applicants may submit additional letters.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-global-security/>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/global-security-ma>  
COOR 6675  
spgs@asu.edu  
480-965-8563

## Global Security (Cybersecurity), MA (LAGSCSECMA)

**Online Degree Search Title:** Global Security (Cybersecurity), MA

**Campus:** Online

**Program Description:**

The cybersecurity concentration is a unique element within the MA program in global security, engaging cyber issues from an interdisciplinary perspective with a focus on global security. The program is practically-oriented, and it provides students with relevant and continually updated understanding of the complex risks, threats and modes of protection and response associated with cybersecurity. Students progress at their own pace; it can be completed in one year or in a six-year period. Students may pursue the degree while working full-time or part-time.

The program is a non-technical degree designed to prepare students for a rapidly expanding field with a focus on the complex relationship between cybersecurity and global politics. Students learn from top faculty including scholars, leaders and skilled practitioners with classes integrating case studies, policy exercises and critical thinking to prepare students for career advancement.

**Degree Requirements:**

Required Core (3 credit hours)

GSC 501 War, Conflict and Security (3)

Concentration (12 credit hours)

GSC 560 Overview of Cybersecurity (3)

GSC 561 Cybersecurity Threats and Trends (3)

GSC 562 Cybersecurity, Global Politics and Resiliency (3)

GSC 563 Cybersecurity Planning and Strategy (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)

#### Additional Curriculum Information

For electives or research, students will take coursework from a restricted list for a total of 12 credit hours. Students should contact the academic unit for the approved course list. Other coursework may be used with approval of the academic unit.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the humanities (English, history, etc.); social sciences (anthropology, sociology, political science, etc.); sciences (biology, chemistry, etc.); policy (public administration, etc.); computer science; engineering (all subfields) or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- one letter of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must submit at least one letter of recommendation for admission but may submit additional letters.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies

<https://spgs.asu.edu/>

COOR 6801

[spgs@asu.edu](mailto:spgs@asu.edu)

480-965-8563

## History, MA (LAHISTMA)

**Online Degree Search Title:** History, MA

**Campus:** Tempe, Online

#### Program Description:

The MA program in history provides students the fundamental training needed for careers in research, teaching, public history, government service and a host of other positions in the public, private and nonprofit sectors. Program graduates serve as first-rate historians, highly qualified teachers at the elementary and secondary level, researchers and consultants, archivists, foreign service officers, management professionals, community organizers and public servants.

The master's degree program offers studies in North American, European, public and global-comparative history, and it provides students with opportunities for professional development through colloquia, internship experiences and conference attendance. Courses emphasize the development of skills in research, writing, critical thinking and communication.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and



master's degree with:

History, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (HST 593), or 30 credit hours including the required capstone course (HST 597).

Required Core (9 credit hours)

HST 640 Historical Methods (3)

Pick two from the following:

HST 502 Public History Methodology (3)

HST 641 North American History (3)

HST 642 European History (3)

HST 643 Global History (3)

Electives (12 credit hours)

Other Requirements (3 or 6 credit hours)

HST 591 Seminar (3) or (6)

Culminating Experience (3 or 6 credit hours)

HST 593 Applied Project (3) or

HST 597 Capstone (3) or

HST 599 Thesis (6)

Additional Curriculum Information

There are two options for the master's degree program in history, the thesis option (for in-person students only) and the nonthesis option. The thesis option requires 30 total credit hours of coursework, including six credit hours of HST 599 Thesis, three credit hours of HST 591 Seminar and 21 credit hours of coursework. The nonthesis option requires 30 total credit hours, including three credit hours of HST 593 Applied Project or HST 597 Capstone, six credit hours of HST 591 Seminar and an additional 21 credit hours of coursework.

For elective coursework, students should refer to the unit for a list of approved courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program. The most competitive applicants will have a GPA of 3.30 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The history program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in history.

The statement of purpose should be addressed to the history admission committee and should explain the applicant's scholarly background and

training, career goals, the primary field the applicant wishes to pursue, and why the applicant wants to pursue graduate study at ASU (about 500 words in length). It is not necessary to specify a research topic, but if an applicant has one in mind, they should include it in the statement of purpose.

The writing sample may be an article (published or unpublished), a research paper or any other extended sample of expository writing no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-history/>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/grad/history-ma>  
COOR 4595  
SHPRSGradInfo@asu.edu  
480-965-5778

## History, PHD (LAHISTPHD)

**Online Degree Search Title:** History, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in history offers outstanding opportunities for graduate study in North American, European, public and global-comparative history. The School of Historical, Philosophical and Religious Studies' world-class faculty members deliver courses and individualized mentoring in a wide range of historical topics. Moreover, doctoral history students are strongly encouraged to take advantage of the numerous collaborative opportunities that exist throughout the university in ASU's many innovative schools and centers.

Students pursuing the doctorate cultivate a strong background in the historical research methodology and scholarly analysis needed to develop expertise in a chosen historical subject area and receive preparation for competitive careers. By emphasizing foundational skills in research, writing and communication, the doctoral program in history prepares students for diverse career opportunities, including leading academic institutions, private industry and the public sector.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a oral comprehensive exam, a prospectus and a dissertation.

Required Core (16 credit hours)

HST 502 Public History Methodology (3)

HST 640 Historical Methods (3)

HST 641 North American History (3)

HST 642 European History (3)

HST 643 Global History (3)

HST 682 Advanced Research Skill (1)

Electives and Research (44 credit hours)

Other Requirement (12 credit hours)

HST 591 Seminar (6)

HST 792 Research (6)

Culminating Experience (12 credit hours)

HST 799 Dissertation (12)

Additional Curriculum Information

In general, all credit hours must be at the 500 level or above (graduate credit for 400-level courses must be approved in advance and documented in the student's file).

The doctoral program requires a minimum of 84 credit hours and may be completed in four to five years. Students with a master's degree may apply 30 credit hours toward the 84 required credit hours with approval of the academic unit and the Graduate College. If the student does not already have a master's degree in a related field, then the remaining 30 credit hours are made up of electives and research to reach the 84 credit hours required for the doctoral program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program. The most competitive applicants will have a GPA of 3.30 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- statement of purpose
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The history program requires a TOEFL score of at least 600 (PBT) or 90 (iBT). A student whose native language is not English also must submit a copy of an article or research paper in the student's native or principal research language in addition to the English writing sample required of all students.

Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in history. Letters of reference should be submitted by the recommenders in addition to the electronic reference form they are asked to complete.

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007; the department code may be left blank or entered as 0000.

The statement of purpose is to be addressed to the history admission committee and should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, the proposed research specialization, and why the applicant wants to pursue graduate study at ASU (about 500 words in length).

The writing sample may be an article (published or unpublished), a research paper, or any other extended sample of expository skill no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/grad/history-phd>  
COOR 4595  
SHPRSGradInfo@asu.edu  
480-965-5778

## History and Philosophy of Science, PHD (LAHPSCIPHD)

**Online Degree Search Title:** History and Philosophy of Science, PhD

**Campus:** Tempe

**Program Description:**

The history and philosophy of science is an interdisciplinary field that traces its origin to foundational works such as Thomas Kuhn's "Structure of Scientific Revolutions". The field is based on the idea that the best way to understand science is to study how it changes over time, along with careful analysis of its concepts and fundamental principles.

The PhD program in history and philosophy of science combines training in the core areas of history and philosophy of science with an emphasis on interdisciplinary studies of the sciences, including:

- computational history and philosophy of science

- foundations of evolutionary theory
- general philosophy of science and epistemology
- history and philosophy of applied ethics and science policy
- history of 19th and 20th century biology

The program is especially appropriate for students with an undergraduate or master's degree in philosophy history or the sciences and for those who seek to broaden their disciplinary studies. Science students who have not taken relevant undergraduate humanistic core courses can make these up during their first years in the program.

Graduates go on to careers in higher education, including research, teaching and administration; science communication; and other professions related to the life sciences.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

HPS 615 Biology and Society Lab (3)

HPS 620 Research Prospectus Writing (3)

Restricted Program Electives (30 credit hours)

Program Electives (24 credit hours)

Research (12 credit hours)

HPS 792 Research (12)

Dissertation (12 credit hours)

HPS 799 Dissertation (12)

Additional Curriculum Information

An individual student program is developed in consultation with the student's advisor and committee.

HPS 615 Biology and Society Lab is a one-credit hour course focused on student presentations of works-in-progress. Students must register for it three times during their graduate study.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution of recognized standing in a related field such as history, philosophy, or history and philosophy of science as well as a demonstrated background and interest in one or more sciences.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

#### **Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences  
https://sols.asu.edu/degrees/grad/history-philosophy-science-phd  
LSA 181  
sols.grad@asu.edu  
480-965-1768

## Immigration Studies (certificate), Certificate (LAIMMSTUCE)

**Online Degree Search Title:** Immigration Studies (Graduate Certificate)

**Campus:** Tempe

### **Program Description:**

The immigration studies graduate certificate program provides students with a holistic understanding of the historical, current and long-term causes and consequences of international migration as well as relevant professional and research training opportunities.

The objective of the certificate program is to offer traditional academic training through coursework, research and the practical experience of working with local immigrant and refugee communities.

The program prepares graduates for future study in graduate and professional schools or for careers as immigration practitioners and advocates in nongovernmental organizations, local and federal government agencies as well as in other private and public institutions serving immigrant and refugee communities.

### **Degree Requirements:**

15 credit hours.

All students are required to take one core course, three approved elective courses on immigration, and three hours of a culminating experience (either an internship or a research project). Students are to contact the school for a list of approved courses.

Students may do an internship with Phoenix-based, nongovernmental organizations or government agencies that provide services to immigrants and refugees. Such internships give students professional training and actual experience working with immigrant and refugee communities. Students are required to write a report describing the organization and their experience as interns.

Students may enroll in three credit hours of research with a faculty member in order to do an independent research project. They must write a substantial research paper based on field research in a local immigrant community, on library and archival research or on readings on an immigration topic.

Certificate students may choose to specialize in humanities, Mexican and Latino immigrants in the U.S., or social sciences.

Given the nature of the immigration courses offered at ASU and the preponderance of Latino immigrant communities in the Phoenix area, the program emphasizes Latino immigration. However, students have the opportunity to take broader courses focusing on global migration and other immigrant groups as well as work with local Asian or Southeast Asian immigrants and refugee communities.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count toward their master's degree, with the approval and consent of the degree-granting program.

All requirements for the certificate program should be completed within a three year time limit with a cumulative GPA of at least 3.00 (scale is 4.00 = "A"). Students who require more time to finish the program, because of their part-time status or lack of desirable or available courses, must obtain approval from the executive committee.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals

- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages to be included in their application materials.

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
 SHESC 233  
 shesc.grad@asu.edu  
 480-965-6215

**Indigenous Education, MA (LAIEDMA)**

**Online Degree Search Title:** Indigenous Education, MA

**Campus:** Online

**Program Description:**

The MA in indigenous education provides students with advanced training in research, theory and practice related to both Indigenous education, as broadly defined, as well as the process of schooling. The main audiences for this degree are those working in Indian education, those working for tribal nations with education programs, and those interested in Indigenous education.

Because the Center for Indian Education is housed in the School of Social Transformation with faculty that collaborate with colleagues nationally, internationally and across ASU campuses, students have access to a wealth of additional resources at the master's degree level, which allow them to develop a final project that best fits their specific professional aspirations.

**Degree Requirements:**

30 credit hours including a capstone course (IED 585).

Required Core (9 credit hours)

IED 501 Critical Indigenous Research Methodologies (3)

IED 502 Indigenous Knowledges in Education (3)

IED 503 Current Issues in American Indian Education (3)

Other Required Courses (15 credit hours)

IED 510 History of American Indian Education (3)

IED 530 Language/Literacy-Indig People (3)

IED 535 Community-Based Participatory Action Research (3)

SST 520 Learning Technologies in Native Education (3)

SST 530 Culture and Education (3)

Research (3 credit hours)

IED 592 Research (3)

Culminating Experience (3 credit hours)

IED 585 Capstone (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as history, education, anthropology, sociology, ethnic studies, justice studies or political science, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- example of writing
- professional resume
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A selection committee, comprised of faculty members, chooses candidates based on application materials and the applicant's ability to succeed.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/indigenous-education-ma/>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degrees/grad/indigenous-education-ma>  
EDB 302  
sstgraduate@asu.edu  
480-965-7682

## Infant Family Practice, MAS (LACDEMAS)

**Online Degree Search Title:** Infant - Family Practice, MAS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

This self-contained, accelerated program provides high-quality coursework and supervised internship experiences designed to train professionals to work in prevention and intervention programs, serving families with infants, toddlers and preschool-age children.

The MAS program in infant family practice prepares individuals for positions in a variety of professional capacities including:

- child abuse prevention
- child welfare
- early childhood education and child care administration

- early intervention
- family support
- home visiting
- infant and early childhood mental health

Coursework prepares students for professional endorsement of the Infant-Toddler Mental Health Coalition of Arizona's endorsement for culturally sensitive, relationship-based practice promoting infant mental health.

**Degree Requirements:**

30 credit hours and a portfolio.

Required Core (12 credit hours)

Practicum (9 credit hours)

Other Requirements (6 credit hours)

Research (3 credit hours)

Additional Curriculum Information

The Master of Applied Science in infant-family practice requires successful completion of a minimum of 30 credit hours and an applied project, including required coursework and an internship in a community placement approved by the faculty of the master's degree program in infant-family practice. Internships are expected to last approximately 12 months.

Students must meet the expectations of the agency supervising their internship.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field such as counseling, psychology, and family and human development.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals familiar with the applicant's academic background.

GRE scores are waived for this program.



**Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu/>  
SS 144  
graduatesanford@asu.edu  
480-965-6978

**International Letters and Cultures, PHD (LAILCPHD)**

**Online Degree Search Title:** International Letters and Cultures, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in international letters and cultures offers professional training that is linguistically well-grounded, historically and culturally informed, and methodologically transdisciplinary, through courses and supervision of research. Central to the program is the critical inquiry of primary texts, media and cultural expressions, aiming at an original understanding of cultures and social groups in their formations, interactions and transformations throughout history.

The program is attentive to the various roles of language in societies and in the different perspectives through which language can be studied --- among other aspects, its variations, transformations, hybridizations and processes of acquisition. The doctorate in international letters and cultures focuses particularly on research questions and themes that cannot be fully explored within the traditional disciplinary boundaries; instead, it fosters dynamic collaboration across disciplines in order to engage in the production of knowledge that is crucial to understanding transnational and transcultural interactions across time and space.

This degree program provides an innovative intellectual platform that advances transdisciplinary research and teaching. In consultation with their advisor, students arrange their coursework in both a primary and a secondary area of emphasis. Both areas are organized around interdisciplinary study and research in more than one language. Advanced language requirements will vary depending on chosen areas of research. Sample programs of study might include a primary emphasis area in medieval theater and a secondary emphasis area in medieval book culture, with a focus on France and Italy, or students might study multilingualism from a comparative sociolinguistic perspective, comparing trilingual communities like the Yaquis in Arizona and the Uros in Bolivia. Faculty members are drawn from various departments and programs in the humanities and social sciences.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

SLC 602Comparative Cultural Theory (3)

Restricted Electives (36 credit hours)

primary field of study (18)

secondary field of study (18)

Other Requirements (33 credit hours)

elective and research credit hours (21)

foreign language credit hours (12)

Culminating Experience (12 credit hours)

SLC 799 Dissertation (12)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.30 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.30 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should describe the questions, issues, or challenges the student plans to explore through the doctoral program in international letters and cultures and explain how previous studies, training, or professional experiences prepare the student for this research. It should include a proposed plan of study based on the current graduate-level offerings at ASU. In a brief statement, the student should indicate how those courses will be preparation for the dissertation, how the plan fits with the description and goals of this doctoral program, and why the proposed program does not fit some other degree program.

Applicants must provide a writing sample of 15 to 20 pages minimum in English; a writing sample in the primary language of interest may also be requested at the discretion of the admissions committee. The writing sample should reflect the student's analytical and critical skills.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/international-letters-and-cultures-phd>  
LL 440  
silc@asu.edu  
480-965-6281

## Justice Studies, MS (LAJUSSTMS)

**Online Degree Search Title:** Justice Studies, MS

**Campus:** Tempe

**Program Description:**

The MS in justice studies prepares students to pursue careers in law and public policy, community and nonprofit organizations, social work and advocacy, labor relations, criminal justice, education, and research and policy institutes. Many graduates also go on to pursue doctoral degrees in interdisciplinary programs such as justice studies, criminology and law, American studies, ethnic studies, and women and gender studies.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Justice Studies, BS
- Justice Studies, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (JUS 593).

Required Core (12 credit hours)

JUS 500 Justice Research Methods (3)

JUS 501 Justice Theory (3)

JUS 509 Statistical Problems in Justice Research (3)

JUS 521 Qualitative Data Analysis and Evaluation (3)

Electives (12 credit hours)

Research (0-3 credit hours)

JUS 592 Research (3)

Culminating Experience (3-6 credit hours)

JUS 593 Applied Project (3) or

JUS 599 Thesis (6)

Additional Curriculum Information

Each student's program is developed in concert with the advisory committee. The required foundation courses provide students with a fundamental understanding of the theories, methods and analytic techniques associated with the study of justice.

To satisfy the thesis requirement for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's advisory committee. Students in this option are not required to take JUS 592 Research.

Students who elect to complete the applied project option will have to enroll in three credit hours of JUS 592 Research prior to enrolling in JUS 593 Applied Project. Candidates pursuing the applied project option must present their applied project and defend it in an oral examination conducted by the faculty member who supervises the project and the graduate programs director or designated representative. The applied project typically includes a brief literature review to identify the nature of the issue or problem and a description of the methodology used and, if relevant, of the program studied, followed by an analysis.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Information regarding acceptable proof of English proficiency can be found via the Graduate Admission Services webpage:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Applicants should visit the School of Social Transformation's Master of Science in justice studies webpage for further details on the listed application requirements and application deadlines.

No GRE testing is required for admission.

Mailing addresses and further admission information is available on the ASU Graduate Admission Services website.

Application requirements vary for the accelerated justice studies 4+1 program. Undergraduate students majoring in justice studies who are

interested and eligible for this accelerated graduate program should contact the academic unit, to schedule an appointment with a graduate advisor prior to submitting an application. Further details about the accelerated justice studies 4+1 program can be found on the School of Social Transformation webpage.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degrees/grad/justice-studies-ms>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## Justice Studies, PHD (LAJUSSTPHD)

**Online Degree Search Title:** Justice Studies, PhD

**Campus:** Tempe

**Program Description:**

The PhD in justice studies at the nation's first School of Social Transformation invites all qualified applicants.

The diverse community of scholars unites students and faculty across academic boundaries to strategically create social change that is democratic, inclusive and just. The interdisciplinary doctoral program in justice studies prepares future scholars and change agents to address complex social problems and become tomorrow's leaders.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Juris Doctor, JD

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

JUS 620 Justice Research Methodology (3)

JUS 640 Theoretical Perspectives on Justice (3)

Other Requirement (3 credit hours)

JUS 630 Data Analysis for Justice Research (3) or

JUS 650 Advanced Qualitative Data Analysis (3) or

SST 691 Topic: Qualitative Methods for Qualitative Researchers (3)

Culminating Experience (12 credit hours)

JUS 799 Dissertation (12)

Additional Curriculum Information

For the other requirement course, students may take JUS 630, JUS 650, SST 691 or other methods course at ASU approved by the JSI graduate director.

Students entering the doctoral program with a master's or JD degree may complete a minimum of 54 credit hours for the program. In addition to the requirements listed above, coursework will include 15 credit hours of elective classroom hours (nine of which must have a JUS prefix) and 18 credit hours comprised of any combination of additional elective courses, reading and conference or research.

Students entering the doctoral program without a master's or Juris Doctor degree are required to complete 84 credit hours. In addition to the requirements listed above, the coursework will include 12 credit hours of 500-level foundation courses, 24 credit hours of elective classroom hours (15 of which must have a JUS prefix) and 27 credit hours comprised of any combination of additional elective courses, reading and conference or research.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation (academic references are preferred)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be one-and-a-half to two pages, double-spaced, outlining areas of interest, educational and career goals, and the writing sample should be 10 to 15 pages and should discuss the research that best represents the applicant's academic thinking and writing skills.

The PhD/JD option allows qualified students to earn a Juris Doctor from ASU's Sandra Day O'Connor College of Law while simultaneously earning a transdisciplinary doctoral degree in justice studies. Students must apply separately to both programs. Applicants should contact the Sandra Day O'Connor College of Law for their requirements.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degrees/grad/justice-studies-phd>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

**Liberal Studies, MLSt (LAMLSMLS)**

**Online Degree Search Title:** Liberal Studies, MLSt

**Campus:** Tempe, Online

**Program Description:**

The MLSt program offers students interested in a transdisciplinary approach to human ideas and values an opportunity to expand their liberal arts backgrounds. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts.

The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines. This interdisciplinary approach trains students in the skills needed for the jobs of the future: communication, research and an understanding of the diverse and changing world. The degree can be completed entirely online or on campus with a selection of icourses.

Students should email the program director for advising appointments.

**Degree Requirements:**

30 credit hours including the required applied project course (MLS 593).

Required Core (9 credit hours)

MLS 501 Writing About Social Issues: Culture, Gender, Society, and Well-Being in the Southwest (3)

MLS 502 Religion, Culture, and Health: Where Cultures Intersect (3)

MLS 503 Ethics, Science, and Culture (3)

MLS 504 Film Analysis (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

MLS 593 Applied Project (3)

Additional Curriculum Information

Students choose three of the four courses listed above to fulfill the nine credit hour core requirement.

Emphasis areas available are borders (migration, health and cultural identity); gender, religion and culture; and science, nature and creative nonfiction writing.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-liberal-studies/>)

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Dean, The College of Liberal Arts and Sciences  
<https://thecollege.asu.edu/content/liberal-studies-mlst>  
SS 301B  
Angela.Giron@asu.edu  
480-727-0819

## **Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)**

**Online Degree Search Title:** Liberal Studies (Film and Media Studies), MLSt

**Campus:** Tempe

#### **Program Description:**

The MLSt program with a concentration in film and media studies offers students interested in a transdisciplinary approach to international human ideas and values an opportunity to expand their liberal arts background through the study of film and media in society. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts.

Studies focus on the aesthetics and theory of international film and media. The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines.

Students should email the program director for advising appointments.

**Degree Requirements:**

30 credit hours including the required applied project course (MLS 593).

Required Core (9 credit hours)

MLS 501 Writing About Social Issues: Culture, Gender, Society, and Well-Being in the Southwest (3)

MLS 502 Religion, Culture, and Health: Where Cultures Intersect (3)

MLS 503 Ethics, Science, and Culture (3)

MLS 504 Film Analysis (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

MLS 593 Applied Project (3)

Additional Curriculum Information

Students choose three of the four courses listed above to fulfill the nine credit hour core requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Liberal Arts & Sciences, The College of

Dean, The College of Liberal Arts and Sciences

<https://thecollege.asu.edu/content/liberal-studies-film-and-media-studies-mlst>

SS 301B

Angela.Giron@asu.edu

480-727-0819

## Linguistics (certificate), Certificate (LALINGUICE)

**Online Degree Search Title:** Linguistics (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

This transdisciplinary graduate certificate program in linguistics offers students in several fields the opportunity to gain an understanding of the way in which languages are structured, how they are acquired and how they vary over time, space, social distance and situational contexts.

The skills acquired through the completion of the core courses for this certificate include analytical abilities, critical thinking, effective communication and problem-solving. In addition, the knowledge acquired in the areas of discourse analysis and pragmatics makes students aware of the necessity to use appropriate registers and styles when creating written documents or oral presentations to different audiences.

**Degree Requirements:**

18 credit hours.

Required Core Areas (9 credit hours)

discourse analysis and pragmatics (3)

phonology (3)  
syntax (3)

Electives (9 credit hours)

#### Additional Curriculum Information

The electives may be chosen from fields such as applied linguistics, educational linguistics, natural language processing, second-language acquisition and sociolinguistics. The electives are determined by the student in consultation with a faculty advisor.

Prerequisite: Students must have completed an introductory course in linguistics taken at the upper-division or graduate level. They should consult the certificate program director for advice.

All certificate coursework must be completed with an average grade of "B" or higher (3.00 on a 4.00 scale).

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit the Department of English website for specific details about English proficiency requirements.

Once the online application has been submitted, the applicant should send a copy of unofficial transcripts, a one- to two-page, well-considered statement of purpose detailing the student's background and reasons for wanting to do the linguistics certificate, and a resume to the department email address with the subject line: Linguistics Certificate Application.

To be considered for admission, an applicant must have taken an introductory course in linguistics at the upper-division or graduate level. Applicants must also show proof of a formal knowledge of a foreign language, equivalent to two years of study at the university level or plans to fulfill the language requirement concurrently with certificate courses. The language requirement may be met by completion of courses through the second-year level (four semesters) at ASU or elsewhere, or by completion of an upper-division language course with an average of "B" or better (3.00 on a 4.00 scale) for all such coursework (200 or 300 level), or through an examination that indicates placement above the 200 level. Language placement tests are available online at the Language Placement Policies and Tests webpage on the School of International Letters and Cultures website. If this requirement is not already fulfilled at the time of application, candidates must demonstrate completion of this requirement at the end of their certificate coursework in order for their certificate to be granted.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/node/239>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## Linguistics and Applied Linguistics, MA (LALINMA)

**Online Degree Search Title:** Linguistics and Applied Linguistics, MA

**Campus:** Tempe

#### Program Description:

The MA program in linguistics and applied linguistics addresses the study of human language and the application of that study to the human condition through training in linguistics and applied linguistics. At the master's level, it provides foundational training in several different areas, including discourse analysis, language and cognition, language contact and change, language planning, phonetics, phonology, pragmatics, second



language acquisition, second-language teaching and learning, semantics, sociolinguistics, syntax, teaching English to speakers of other languages, and World Englishes.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English (Linguistics), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### **Degree Requirements:**

Required Core (3 credit hours)

LIN 515 American English (3) or

LIN 516 Pragmatics and Discourse Analysis (3)

General Linguistics Track (6 credit hours)

LIN 511 Phonetics and Phonology (3)

LIN 514 Syntax (3)

Applied Linguistics Track (6 credit hours)

LIN 511 Phonetics and Phonology (3) or LIN 514 Syntax (3)

LIN 520 Second-Language Acquisition Theories (3) or APL 601 Introduction to Applied Linguistics (3)

Electives (12-15 credit hours)

Research (3 credit hours)

LIN 501 Approaches to Research (3)

Culminating Experience (3-6 credit hours)

LIN 599 or APL 599 Thesis (6)

LIN 593 or APL 593 Applied Project (3)

Additional Curriculum Information

Students choose one of the two tracks in either general linguistics or applied linguistics.

Electives are restricted based on the student's chosen track. For the general linguistics track, one of the electives must be a 600-level course from the approved course list.

Students who select the thesis option take 12 credit hours of electives. Applied project students select 15 credit hours of electives.

Students must demonstrate evidence of a competent knowledge of a natural language other than modern English, to be selected by the student, subject to the approval of the chair of the thesis committee or the director of the applied project. This requirement may be met by:

- earning a "B" or better (3.00 on a 4.00 scale) in a 400- or 500-level course in an appropriate (approved) language course
- demonstrating comparable proficiency by taking a language examination, administered by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- demonstrating native-speaker proficiency, as determined by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- earning a "B" or better (3.00 on a 4.00 scale) in both ENG 530 Old English and ENG 531 Old English Literature or their equivalent
- holding a bachelor's degree in an approved foreign language
- two years (four semesters) of successfully completed college-level coursework (completed no more than six years prior to admission to the degree program) at least at the 100 and 200 levels with a "C" or better (scale is 4.00 = "A") for languages which the School of International Letters and Cultures does not offer or does not offer above the 200 level

Any course in which all class meetings are conducted in the approved language will satisfy the requirement for a "B" or better in a 400- or 500-level course in an appropriate language course; courses conducted in English will not satisfy the requirement. Also satisfying the requirement are GER 550 German for Reading Knowledge, FRE 550 French for Reading Knowledge, SPA 550 Spanish for Reading Knowledge, and ITA 550 Italian for Reading Knowledge. The Department of English does not require its graduate students to write papers in the approved language.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in such related fields as anthropology, applied linguistics, communication, cognitive science, comparative languages and literatures, literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religious studies, rhetoric, composition, sociology, speech and hearing science, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

Successful completion of (at least) one upper-division course in linguistics, language study, or related topic is required.

The one-page, single-spaced statement of purpose should explain the applicant's background in language study, reasons for wanting to do graduate work in linguistics, and plans for the future.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English

<https://english.asu.edu/degrees/grad/masters-applied-linguistics>

RBHL 125

enggrad@asu.edu

480-965-3194

## Linguistics and Applied Linguistics, PHD (LALINPHD)

**Online Degree Search Title:** Linguistics and Applied Linguistics, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in linguistics and applied linguistics focuses on the study of human language and the application of that study to the human condition. Students in this program choose a research specialization in formal linguistics, applied linguistics, or some combination of these areas.

The curriculum provides professional training in linguistics and applied linguistics with focused research in several areas, including discourse analysis, language and cognition, language contact and change, language planning, phonetics, phonology, pragmatics, second language acquisition, second language teaching and learning, semantics, sociolinguistics, syntax, teaching English to speakers of other languages, and World Englishes.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a foreign language exam, a prospectus and a dissertation.

Required Core (18 credit hours)

APL 555 Disciplinary Discourses (3)

APL 601 Introduction to Applied Linguistics (3)

LIN 511 Phonetics and Phonology (3)

LIN 514 Syntax (3)

LIN 515 American English (3) or LIN 516 Pragmatics and Discourse Analysis (3)

LIN 655 Disciplinary Discourses (3)

Electives and Research (24 credit hours)

LIN 501 Approaches to Research (3)

specialization (21)

Culminating Experience (12 credit hours)

LIN 799 or APL 799 Dissertation (12)

Other Requirements (30 credit hours)

If students do not have a previously awarded master's degree, then 30 credit hours will be made up of additional elective coursework approved by their supervisory committee. If they have not taken the equivalent of LIN 510 in the 30 hours, they will have to take that course.

Additional Curriculum Information

Students must demonstrate evidence of a competent knowledge of a natural language other than modern English, to be selected by the student, subject to the approval of the chair of the dissertation committee. The language requirement must be completed before the student is eligible to take the doctoral examinations. This requirement may be met by any of the following:

- earning a "B" or higher (3.00 on a 4.00 scale) in a 400- or 500-level course in an appropriate (approved) language
- demonstrating comparable proficiency by taking a language examination, administered by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- demonstrating native-speaker proficiency, as determined by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- earning a "B" or higher (3.00 on a 4.00 scale) in both ENG 530 Old English and ENG 531 Old English Literature or their equivalent
- holding a bachelor's degree in an approved foreign language
- having fulfilled a foreign language requirement toward a previously awarded master's degree that was completed within five years of the semester for which the student was admitted to the doctoral program
- two years (four semesters) of successfully completed college level coursework (no more than six years prior to admission to the degree program) at least at the 100 and 200 levels with a "C" or better, for languages which the School of International Letters and Cultures does not offer or does not offer above the 200 level

The foreign language requirement must be in a language approved by the student's doctoral supervisory committee.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- GRE general test scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

Undergraduate degrees in such related fields as anthropology, applied linguistics, communication, cognitive science, comparative languages and literatures, literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religious studies, rhetoric, composition, sociology, or speech and hearing science will be considered.

The one- to two-page, single-spaced statement of purpose should explain how the applicant's experience and training have prepared them for the program. It should also indicate career goals and explain how these goals relate to the graduate program in linguistics and applied linguistics. Applicants applying for funding must also submit a statement of teaching philosophy. Students should see the Department of English website for specific details.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English

## Literary Translation Studies (Certificate), Certificate (LALTSGRCT)

**Online Degree Search Title:** Literary Translation Studies (Graduate Certificate)

**Campus:** Tempe

### Program Description:

The graduate certificate in literary translation studies is a transdisciplinary program offering coursework that provides intensive engagement of students in translation practice, investigation of issues related to the cultural role of the translator and translation, studies in the variety of theoretical approaches to translation in the 20th and 21st centuries, and studies in trans-historical and cross-cultural theories of translation.

These areas of emphasis enable students to gain expertise in practical and theoretical knowledge of the field of literary translation and to engage in developing new models for the practice of translation today. The program offers interested students the opportunity to develop an understanding of intercultural intersections and transdisciplinary approaches to the practice of translation and advanced training and mentorship in what is one of the most globally relevant fields in the 21st century.

### Degree Requirements:

15 credit hours including an applied project course (ENG 593 or SLC 593)..

Required Core (6 credit hours)

ENG 550 Translation (3)

SLC 551 Global Approaches to Translation (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

ENG 593 Applied Project (3) or SLC 593 Applied Project (3)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be no more than two pages and should summarize past educational experiences and goals in pursuing a graduate certificate.

Applicants should have knowledge of a language other than English, a minimum of six semesters of a second language, or the equivalent (for example, advanced placement in high school). Applicants who have passed a language proficiency exam achieving an advanced level in the target language may also apply.

As a prerequisite for taking SLC 551 Global Approaches to Translation (3), all students must attain an advanced level in reading and writing (equivalent of advanced American Council on the Teaching of Foreign Languages requirements, approximately equivalent to six semesters of

undergraduate study) as measured by a written exam in the target language (i.e., French, German, Italian, Spanish). Students should see ACTFL guidelines (<https://www.actfl.org/publications/guidelines-and-manuals/actfl-proficiency-guidelines-2012> (<https://www.actfl.org/publications/guidelines-and-manuals/actfl-proficiency-guidelines-2012>)).

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/literary-translation-studies-graduate-certificate>  
LL 440  
silc@asu.edu  
480-965-2826

## Marriage and Family Therapy, MAS (LAMFTMAS)

**Online Degree Search Title:** Marriage and Family Therapy, MAS

**Campus:** Tempe

**Program Description:**

The purpose of this self-contained, accelerated MAS program in marriage and family therapy is to provide high-quality coursework and supervised internship experiences that meet the degree requirements for licensure in the State of Arizona to practice marriage and family therapy as determined and laid out by the Arizona Board of Behavioral Health Examiners. The degree requirements are specified by the board, and the program is designed to train practitioners who wish to practice marriage and family therapy.

**Degree Requirements:**

39 credit hours and a master's research paper.

The master's degree program in marriage and family therapy requires the successful completion of a minimum of 39 credit hours and a project, including required coursework and completion of 300 client-contact hours in a community internship placement approved by the master's degree in marriage and family therapy faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 (scale is 4.00 = "A") in all coursework and satisfactorily meet the expectations of the agency supervising their internship.

Students are required to have a vehicle and a valid Arizona driver's license for internship placement.

An internship entrance examination will be held at the end of the first 7.5-week semester, to demonstrate readiness for internship placement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field, such as counseling, psychology, and family and human development, among others.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a personal statement
- resume
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.  
Academic Catalog Archive 2019-2020

Letters of recommendation must be from three people who know the applicant in a professional or academic capacity. Family members and friends do not meet this criterion.

Students should refer to the program's website for detailed information on admission requirements.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanforsschool.asu.edu/degree-programs/graduate-programs/marriage-and-family-therapy-mas>  
SS 144  
graduatesanford@asu.edu  
480-965-6978

## Mathematics, MA (LAMATHMA)

**Online Degree Search Title:** Mathematics, MA

**Campus:** Tempe

**Program Description:**

The MA program in mathematics is designed to increase mathematical knowledge beyond the traditional level of a bachelor's degree in order to prepare students for careers requiring sophisticated mathematical skills. Students may choose to specialize in:

- applied mathematics
- core mathematics
- mathematics education
- statistics

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computational Mathematical Sciences, BS

Mathematics, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and 2 written comprehensive exams, or 30 credit hours and a portfolio, or 30 credit hours, a thesis and a written comprehensive exam.

**Thesis Option**

The degree program requires:

- 30 credit hours of math or math-related graduate coursework, of which six credit hours must consist of the thesis (MAT 599)
- one qualifying sequence examination
- a final oral examination in defense of the thesis

**Nonthesis Option**

The degree program requires:

- 30 credit hours of math or math related graduate coursework
- two qualifying sequence examinations or portfolio with oral presentation

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics or a closely related field from a regionally accredited institution as well as coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/degrees/graduate/mathematics-ma>  
WXLR A216  
grad.math@asu.edu  
480-965-3951

## Mathematics, PHD (LAMATHPHD)

**Online Degree Search Title:** Mathematics, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in mathematics is intended for students with superior mathematical ability. The program emphasizes a solid mathematical foundation and promotes creative scholarship in mathematics and its many related disciplines. The School of Mathematical and Statistical Sciences has very active research groups in analysis, number theory, geometry and discrete mathematics.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students must pass two qualifying examinations, a written comprehensive examination and an oral dissertation prospectus, and they should see the school website for examination information.

Students must register for 12 credit hours of dissertation (MAT 799).

Students must write a dissertation and defend it orally in front of five dissertation committee members.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, or a closely related area from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Additional eligibility requirements include competitiveness in an applicant pool as evidenced by coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371), and it is desirable that applicants have scientific programming skills.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/degrees/graduate/mathematics-phd>  
WXMLR A216  
grad.math@asu.edu  
480-965-3951

## Mathematics Education, PHD (LAMTEPHD)

**Online Degree Search Title:** Mathematics Education (Mathematics and Statistics Dept - Grades 9-20), PhD

**Campus:** Tempe

**Program Description:**

This transdisciplinary PhD program accommodates students from a variety of academic backgrounds. It provides students with a solid foundation in graduate-level mathematics as well as research skills and perspectives that will allow them to deal broadly with mathematics problems of:

- curriculum
- learning
- teaching
- technology

Conducting individual and collaborative research in the learning and teaching of mathematics is an integral part of the program.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Program requirements include the following:

- 12 credit hours of Research in Undergraduate Mathematics Education (RUME) 1-4, with qualifying exams given in RUME 1 and 2
- four graduate math courses from a list of options
- six credit hours of research (MTE 792)
- a written comprehensive examination
- an oral comprehensive examination
- an oral dissertation prospectus defense
- 12 credit hours of dissertation (MTE 799)

Students should see the school's website for information about qualifier and comprehensive examinations based on math coursework.

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics or a closely related area, with exceptionally high grades in advanced coursework in mathematics, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- writing sample
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency



#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Additional eligibility requirements include competitiveness in an applicant pool as evidenced by the required GRE scores.

At least two of the letters of recommendation must be from faculty.

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/degrees/graduate/mathematics-education-phd>  
WXLR A216  
grad.math@asu.edu  
480-965-3951

## Medieval Studies (certificate), Certificate (LAMEDSTCE)

**Online Degree Search Title:** Medieval Studies (Graduate Certificate)

**Campus:** Tempe

#### Program Description:

The certificate program in medieval studies prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them better equipped to meet the demands of their fields.

#### Degree Requirements:

18 credit hours, or 27 credit hours.

#### Medieval Latin:

one semester (three or four credit hours) for students at the master's degree level, two semesters (six to eight credit hours) for doctoral students

proficiency attested either by achieving a grade of "B" (3.00 on a 4.00 scale) or better in the Medieval Latin courses or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies at the University of Toronto (the requirement presupposing two years or 12 to 16 credit hours or equivalent of undergraduate training in Latin)

#### Medieval vernacular language (e.g., Old English, Old Norse, Old French):

two semesters (six credit hours) for students at the master's degree level, three semesters (nine credit hours) for doctoral students

#### Paleography:

one semester (three credit hours)

#### Medieval coursework outside the major discipline:

two semesters (six credit hours) for students at the master's degree level, three semesters (nine credit hours) for doctoral students

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students in good standing who are enrolled in an existing master's or doctoral degree program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The Graduate College requires a TOEFL score of at least 550 (PBT) or 80 (iBT).

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://acmrs.org/academic-programs/certificate>  
COOR 4432  
acmrs@asu.edu  
480-965-8097

## Microbiology, MS (LAMICROMS)

**Online Degree Search Title:** Microbiology, MS

**Campus:** Tempe

**Program Description:**

The MS program in microbiology is designed to prepare students for careers in in bacteriology, virology, mycology, immunology and oncology in academic institutions, government agencies or commercial entities.

Students receive advanced training in the study of microbes and their impact on humankind, disease and the environment. They use tools ranging from nanotechnologies and genomics to mathematical models and satellite-based imagine. Students receive training in both teaching and basic, translational and use-inspired research with world-class faculty and collaborative research partners. Faculty members are associated with the School of Life Sciences, The Biodesign Institute, The Translational Genomics Institute, Barrow Neurological Institute, and other area hospitals and research centers.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Biomedical Sciences), BS
- Biological Sciences (Conservation Biology and Ecology), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Microbiology, BS
- Microbiology (Medical Microbiology), BS
- Molecular Biosciences and Biotechnology, BS
- Neuroscience, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core (3 credit hours)

MIC 501 Foundations in Microbiology (3)

Electives and Research (21 credit hours)

Culminating Experience (6 credit hours)

MIC 599 Thesis (6)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Prior research experience is a desired qualification for admission.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/microbiology-ms>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

## Microbiology, PHD (LAMICROPHD)

**Online Degree Search Title:** Microbiology, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in microbiology offers a dynamic research environment; a broad range of basic, translational and use-inspired research areas; cutting-edge transdisciplinary training; and opportunities to work with world-class faculty and collaborative research partners committed to training scientific leaders with skills necessary to address significant global microbiological problems and challenges.

Faculty members are associated with the School of Life Sciences, The Biodesign Institute, The Translational Genomics Institute, Barrow Neurological Institute, and other area hospitals and research centers.

The microbiology doctoral program prepares students for research and teaching careers in bacteriology, virology, mycology, immunology and oncology at universities and colleges, government agencies and industry.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The plan of study is designed by the student and the supervisory committee, which consists of a professor in the major and three additional faculty members. The program is tailored to the needs of the individual student.

Eighty-four credit hours are required.

A formal defense of the final written dissertation is required prior to graduation.

The remaining credit hours are comprised of coursework showing breadth in microbiology and related disciplines, seminars and research.

Twelve credit hours of dissertation are required.

Written and oral comprehensive examinations are required in order to advance to candidacy.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Prior research experience is a desired qualification for admission.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/degrees/grad/microbiology-phd>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## **Molecular and Cellular Biology, MS (LACELLMS)**

**Online Degree Search Title:** Molecular and Cellular Biology, MS

**Campus:** Tempe

#### **Program Description:**

The MS program in molecular and cellular biology encourages interdisciplinary, innovative, world-class research. It allows students to choose from a diverse range of research and training opportunities that extend beyond the traditional boundaries of biological research.

Graduates will be prepared for successful careers in the biological sciences.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Biomedical Sciences), BS
- Biological Sciences (Conservation Biology and Ecology), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Microbiology, BS
- Molecular Biosciences and Biotechnology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core (9 credit hours)

MCB 555 Advanced Molecular and Cellular Sciences (6)

MCB 556 Advanced Molecular and Cellular Biology II (3)

Electives or Research (11 credit hours)

Other Requirements (4 credit hours)

MCB 501 Seminar: Molecular and Cellular Biology Colloquium (4)

Culminating Experience (6 credit hours)

MCB 599 Thesis (6)

Additional Curriculum Information

Students are required to take MCB 501 each semester they are registered. If a student is registered for more or fewer than four semesters, the research hours and MCB 501 hours may be adjusted accordingly to reach 30 credit hours.

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired Qualifications:

- GRE scores
- research experience

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/degrees/grad/molecular-cellular-biology-ms>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

**Molecular and Cellular Biology, PHD (LACELLPHD)**

**Online Degree Search Title:** Molecular/Cellular Biology, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in molecular and cellular biology prepares students for careers that cross traditional disciplinary boundaries.

It provides a diverse range of research and training opportunities for doctoral students interested in pursuing a transdisciplinary approach to their studies that extends beyond the traditional boundaries of biological research. Participating faculty members and researchers are drawn from multiple departments, colleges, centers and institutes across the university, including:

- School of Life Sciences
- Department of Chemistry and Biochemistry
- School of Biological and Health Systems Engineering
- School for Engineering of Matter, Transport and Energy
- School of Mathematical and Statistical Sciences
- School of Human Evolution and Social Change
- Department of Psychology
- New College of Interdisciplinary Arts and Sciences.

Participating faculty members are also based at partner institutions in the greater Phoenix area, including:

- Translational Genomics Research Institute
- Mayo Clinic in Arizona
- Barrow Neurological Institute
- Carl T. Hayden Veteran's Administration Medical Center
- University of Arizona College of Medicine-Phoenix.

Former graduates are leaders at academic institutions, in government, and in industry.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The plan of study is designed by the student and the supervisory committee. The plan of study includes, core classes in molecular and cellular biology, colloquium, seminars and research for a total of 84 credit hours.

An oral and written comprehensive examination are required in order to advance to candidacy.

A formal defense of the final written dissertation is required prior to graduation.

Twelve credit hours of dissertation are required and the remaining credit hours are comprised of core coursework, seminars and research.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired qualifications include GRE scores and research experience.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/molecularcellular-biology-phd>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

**Museum Studies, MA (LAMUSSTMA)**

**Online Degree Search Title:** Museum Studies, MA

**Campus:** Tempe

**Program Description:**

The MA program in museum studies examines how museums produce and reflect culture and examines the role museums play worldwide.

Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They also gain practical experience while being encouraged to challenge preconceived notions about museums and the way museums affect and are affected by societies and cultures. Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

**Degree Requirements:**

30 credit hours and a portfolio.

Required Core (3 credit hours)

ASB 579 Critical Issues in Museum Studies (3)

Electives and Research (18)

ASB 592 Research (6)

other electives and research (12)

Other Requirements (9)

ASB 500 Research Methods (3) or ASB 572 Museum Collection Management (3)

ASB 584 Internship (6) OR ASB 584 Internship (3) and ASB 580 Practicum (3)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

For a complete list of approved elective and research courses, students should contact the school.

Internship (ASB 584) and Practicum (ASB 580) must be approved by their supervisory committees, usually in a museum setting or museum quality collection or archive related to their chosen area of study: anthropology, art history, theory and criticism or public history.

Other courses may be substituted for ASB 500 as an equivalent course with academic unit approval.

On completion of the internship, students must submit a journal or portfolio about the internship and skills acquired.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores

- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/museum-studies-ma>  
 SHESC 233  
 shesc.grad@asu.edu  
 480-965-6215

## Museum Studies (certificate), Certificate (LAMUSEUMCE)

**Online Degree Search Title:** Museum Studies (Graduate Certificate)

**Campus:** Tempe

#### Program Description:

In the museum studies certificate program, students examine how museums produce and reflect culture and they examine the role museums play worldwide.

Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They also gain practical experience while being encouraged to challenge preconceived notions about museums and the way they affect and are affected by societies and cultures. Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

#### Degree Requirements:

18 credit hours.

Required Core (3 credit hours)

ASB 579 Critical Issues in Museum Studies (3)

Electives (9 credit hours)

Other Requirements (6 credit hours)

ASB 580 Practicum (3) and ASB 584 Internship (3) OR

ASB 584 Internship (6)

Additional Curriculum Information

Certificate students may choose to specialize in areas such as anthropology, art history and public history.

For a complete list of approved elective and research courses, students should contact the school.

Internship (ASB 584) and Practicum (ASB 580) must be approved by their supervisory committees, usually in a museum setting or museum-quality collection or archive related to their chosen area of study: anthropology, art history, theory and criticism or public history.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program, with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count toward their master's degree, with the approval and consent of the degree-granting program.

All requirements for the certificate program should be completed within a three-year time limit with a cumulative GPA of at least 3.00 (scale is 4.00 = "A"). Students who require more time to finish the program (because of their part-time status or lack of desirable or available courses) must obtain approval from the executive committee.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).



Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

For information on spring admission, students should contact the School of Human Evolution and Social Change.

Disclosure information about this U.S. Department of Education Gainful Employment program is available at <https://catalog.asu.edu/files/disclosures/LAMUSEUMCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LAMUSEUMCE/Gedt.pdf>).

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)  
480-965-6215

## Nanoscience, PSM (LANANPSM)

**Online Degree Search Title:** Nanoscience, PSM

**Campus:** Tempe

**Program Description:**

The PSM in nanoscience is a cohesive program of transdisciplinary courses that provide the knowledge base required for research and innovation in nanoscience. The program incorporates courses in:

- chemistry and biochemistry
- electrical engineering
- materials science
- physics

Commercial innovation is a particular target goal of the degree, including applications in:

- biochemistry and sensing technology
- biophysics and biomedical technology
- nanomaterials and nanoscale devices

The professional science master's degree program in nanoscience is suitable for working professionals as well as for students who have obtained a traditional bachelor's degree or master's degree in related fields.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biochemistry, BS
- Biochemistry (Medicinal Chemistry), BS
- Chemistry, BS
- Materials Science and Engineering, BSE
- Physics, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

32 credit hours including the required applied project course (NAN 593).

Required Core (5 credit hours)

NAN 505 Nanoscience and Society (2) or NAN 506 Innovation and IP Management (2)

NAN 571 Quantum Physics (3) or NAN 544 Introduction to Nanoscience (3)

Electives or Research (15 credit hours)

Other Requirements (6 credit hours)

NAN 591 Professional Seminar (6)

Culminating Experience (6 credit hours)

NAN 593 Applied Project (6)

Additional Curriculum Information

Students must take either NAN 505 or NAN 506. Students may also take the other course as an elective.

Students with a physical science or engineering background should take NAN 571 Quantum Physics and students with a biochemistry or life sciences background should take NAN 544 Introduction to Nanoscience.

The program includes a two-semester, student-centered professional seminar in which emerges the central role of the program as a vehicle for innovation. During the spring semester and summer session, students conduct an individual applied project in association with a research group. Throughout the program, students interact with research faculty and other students in a variety of disciplines related to nanoscience. Students also meet with visiting speakers and industrialists in the professional seminar as well as in other seminars.

If taken full time, the PSM in nanoscience can be completed in 12 months (fall semester, spring semester and two eight-week summer sessions). Another option is the two-year, part-time program, which allows prospective students and their employers flexibility in scheduling the program of study.

Students should see the academic unit for a complete list of approved electives. Many of the requisite elective courses are currently offered within the Department of Physics and the Department of Chemistry and Biochemistry. Most are cross-listed with other units.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics, chemistry or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores or equivalent will be required for applicants whose native language is not English.

The personal statement should outline the applicant's research interests and why the applicant wants to apply to the Professional Science Master's degree program.

GRE scores are not required but will be taken into consideration if submitted.

Letters of recommendation should be from individuals familiar with the applicant's work or studies relevant to the program.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of Physics  
<https://physics.asu.edu/degrees/graduate/psm-profesional-masters-degree-nanoscience>  
PSF 470  
nanoscience@asu.edu  
480-965-3561

## Natural Science (Geological Sciences), MNS (LANATSCIMN)

**Online Degree Search Title:** Geological Sciences, MNS

**Campus:** Tempe

### Program Description:

The School of Earth and Space Exploration participates in the program leading to the MNS in geological sciences. This transdisciplinary degree program is designed to meet the needs of professionals seeking a graduate-level degree. The program offers the opportunity for transdisciplinary graduate training in the natural sciences (i.e., biological sciences, mathematics and physical sciences) and cognate areas.

The degree program is especially suited for individuals who desire professional training rather than research training. Because of designed flexibility, the program also offers the opportunity for individualized professional graduate programs depending upon the backgrounds and goals of the students. Students are expected to emphasize coursework in two or more areas of specialization. The program must be transdisciplinary.

### Degree Requirements:

30 credit hours and an applied project.

The supervisory committee is chosen by the student in conjunction with the advisor. The composition of the supervisory committee must reflect the transdisciplinary nature of the program. The student will develop a suitable applied project with the approval of the supervisory committee.

Students must submit a plan of study after conferring with the supervisory committee. While a minimum of 30 credit hours is required for the degree, more credit hours may be required by the supervisory committee, depending upon the background of the student and the nature of the proposed program. All students admitted to this program are also required to take two seminars:

GLG 500 SESE Colloquium (1)

GLG 591 Faculty Research Seminar (1)

In some cases, undergraduate courses may be required to remove deficiencies.

An applied project is required.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

### Contact Information:

Liberal Arts & Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate/geological-sciences-mns>  
ISTB4 795  
sese-grad@asu.edu

## Natural Science (Physics), MNS (LAPHYSMNS)

**Online Degree Search Title:** Physics, MNS

**Campus:** Tempe

### Program Description:

The MNS program in physics provides transdisciplinary graduate training in physics, physical science or physics education. The program is especially suited for high school science teachers who desire professional training rather than research training. Designed for flexibility, the curriculum also features individualized professional graduate programs. These programs are well-suited to the backgrounds and goals of students. Students are expected to emphasize coursework in two or more areas of concentration. The program must be transdisciplinary.

### Degree Requirements:

30 credit hours including the required applied project course (PHS 593).

The graduate advisor and the student suggest three faculty members who reflect the transdisciplinary nature of the program to serve on the supervisory committee, which upon the recommendation of the chair of the Department of Physics is appointed by the vice provost for the Graduate College soon after the student has been admitted to the degree program.

After conferring with the student, the supervisory committee will recommend the plan of study. The committee may require additional coursework to ensure proficiency, depending upon the student's background and the nature of the proposed program. In some cases, undergraduate courses may be required to overcome deficiencies.

Teachers may enroll in these courses in order to earn credit toward recertification or to pursue a Master of Natural Science degree. These courses are held during the summer. Depending on teacher interest, they may be offered at other times. For some courses, the prerequisites are two semesters of trigonometry-based college physics and an introductory calculus course.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited institution. The program is open to in-service high school teachers who have completed two semesters of college physics and an introductory calculus course. Under-prepared teachers can make up deficiencies in regularly scheduled courses. Students must be able to attend classes in-person at the Tempe campus.

Applicants must have a minimum of a 3.00 GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- two letters of recommendation
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals familiar with the applicant's work or studies relevant to the natural science program.

Conditions for admission are the availability of resources for the proposed program and a Department of Physics faculty member designated to serve as a graduate advisor.

### Contact Information:

Liberal Arts & Sciences, The College of

Department of Physics

<https://physics.asu.edu/degrees/graduate/master-of-natural-science>

PSF 470

physics.grad@asu.edu

480-965-3561

## Neuroscience, PHD (GCBMENPHD)

**Online Degree Search Title:** Neuroscience, PhD

**Campus:** Tempe

**Program Description:**

Neuroscience involves the study of the nervous system and its relation to an organism's function. It encompasses how gene and nerve networks interact with the environment throughout an organism.

The PhD program in neuroscience integrates aspects of graduate-level training from many different units on campus as well as from the program's partner institutions distributed across the greater Phoenix area. Partner institutions include Barrow Neurological Institute, Translational Genomics Research Institute, University of Arizona College of Medicine and Sun Health Research Institute.

Among other employment opportunities, this degree is appropriate for a teaching or research career in academia or a science career with a biotech, medical or pharmaceutical company.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program requires the completion of 84 credit hours of which only 12 hours are dissertation credits. At least 18 credit hours of formal coursework are required. In consultation with their committee and their supervisor or mentor, students will be able to customize their plan of study to suit their particular interests and goals.

Each student completes six credit hours of core course credits. The core course sequence must be completed before the oral and written evaluation examinations are taken. Additional credit hours are comprised of specialized disciplinary courses or research credits chosen in consultation with the mentor and advisory committee. A one credit hour journal club seminar will be required each semester.

Advancement to candidacy will be dependent on successfully passing a formal comprehensive examination that includes a written proposal of the dissertation research and an oral examination in the broader areas that pertain to that research study. When the research is completed, the dissertation must be written and presented in a public seminar and successfully defended before the supervisory committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Regular admission may be granted to applicants who have achieved a GPA of 3.00 (scale is 4.00 = "A") or better in the last two years of work leading to a bachelor's degree and who are competitive in the applicant pool as evidenced by GRE verbal, quantitative and analytical scores, the statement of educational and career goals (personal statement) and the letters of recommendation. Particular attention is paid to research experience and overall preparation in problem-solving abilities as evidenced by previous coursework, research experiences and GRE scores.

Because this program draws on an extremely broad range of disciplinary backgrounds in recruiting students, there is no specific set of undergraduate course requirements other than those implied by the degree requirements described above. Most students will be expected to have had coursework in biology, chemistry and math or demonstrated ability through a subject test GRE.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired qualifications:

- GRE scores
- research experience

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/neuroscience-phd>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

**Philosophy, MA (LAPHILMA)**

**Online Degree Search Title:** Philosophy, MA

**Campus:** Tempe

**Program Description:**

The School of Historical, Philosophical and Religious Studies offers an MA degree program in traditional and contemporary philosophy. General areas of research include ethics, political philosophy, metaphysics, epistemology, philosophy of law, philosophy of science, feminist philosophy, philosophy of language, experimental philosophy and the history of philosophy. Members of the faculty are involved in interdisciplinary work in a variety of fields and enjoy close ties with the Lincoln Center for Applied Ethics, the Sandra Day O'Connor College of Law, and a number of other graduate programs at ASU. The philosophy program sponsors an active colloquium series and regular philosophical conferences on diverse topics. The Lincoln Center for Applied Ethics also sponsors a wide range of activities, including large-scale conferences, distinguished visitors and support for graduate study.

The master's degree program in philosophy is designed to prepare students to:

- enter doctoral programs
- teach philosophy at the community college level
- work in any area that requires critical, analytical thinking, such as medicine, law, government or publishing

The program seeks to maintain a balance between course offerings in the traditional areas of philosophy and opportunities for study of current philosophical developments.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

There are two options for the master's degree program in philosophy: the thesis option and the nonthesis portfolio option.

The thesis options requires 30 credit hours of coursework, including six credit hours of PHI 599 Thesis.

The nonthesis portfolio option requires 30 credit hours of coursework, including three credit hours of PHI 592 Research.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- statement of purpose
- curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency as well as a copy of an article or research paper in their native or principal research language in addition to the English writing sample required of all students. The

philosophy program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

GRE Scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007. The department code may be left blank or entered as 0000.

The statement of purpose should explain the applicant's specific intent and be no more than 600 words in length.

The writing sample must be a piece of philosophical writing, preferably a seminar paper or published article (no more than 20 pages) and not a thesis or dissertation.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/grad/philosophy-ma>  
COOR 4595  
SHPRSGradInfo@asu.edu  
480-965-5778

## Philosophy, PHD (LAPHILPHD)

**Online Degree Search Title:** Philosophy, PhD

**Campus:** Tempe

**Program Description:**

The School of Historical, Philosophical and Religious Studies offers a newly redesigned PhD program that focuses on practical and applied philosophy. General areas of research include ethics, political philosophy, metaphysics, epistemology, philosophy of law, philosophy of science, philosophy of language, philosophy of religion and the history of philosophy. Members of the faculty are involved in interdisciplinary work in a variety of fields and enjoy close ties with the Lincoln Center for Applied Ethics, the College of Law and a number of other graduate programs at the university. The ASU philosophy faculty group sponsors an active colloquium series and regular philosophical conferences on diverse topics. The Lincoln Center for Applied Ethics also sponsors a wide range of activities, including large-scale conferences, distinguished visitors and support for graduate study.

The doctoral program in philosophy features a focus on practical and applied philosophy and an interdisciplinary coursework component related to the student's research topic. Practical philosophy includes the fields of ethics, philosophy of law, social and political philosophy, feminist ethics and political philosophy. Applied philosophy includes both the application of theories developed within any of the subdisciplines of philosophy to everyday problems or phenomena (for example, the application of the philosophy of language in relation to hate speech or the philosophy of mind in relation to computing and artificial intelligence). Applied philosophy also includes the application of research produced by methods used in other disciplines in order to understand and address philosophical questions (for example, the application of data-gathering instruments used in psychology to answer questions in experimental philosophy).

Students may design dissertation projects in any of the major subfields of philosophy. For their interdisciplinary coursework supporting the dissertation project, students might, for example, pursue a certificate in social transformation, gender studies, responsible innovation in sciences, or engineering and society, etc. The program is designed to prepare students for careers as philosophers, as teachers of philosophy and in areas in which they may benefit from advanced training in philosophy, such as law, civil service and publishing.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core Areas (18 credit hours)

applied philosophy (3)  
epistemology (3)  
formal methods (3)  
history of philosophy (3)  
metaphysics (3)  
value theory (3)

Electives (42 credit hours)

Research (12 credit hours)  
PHI 792 Research (12)

Culminating Experience (12 credit hours)  
PHI 799 Dissertation (12)

#### Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each required core area.

In completing the electives requirements, at least nine credit hours and no more than 18 credit hours must be from other disciplines supporting the student's proposed dissertation area. Thirty credit hours from a previously awarded master's degree may apply toward this requirement with approval by the student's supervisory committee and the Graduate College.

To ensure breadth in the traditional areas of philosophy, students must pass with a grade of "B" (3.00 on a 4.00 scale) or better.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- statement of purpose
- curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency as well as a copy of an article or research paper in their native or principal research language in addition to the English writing sample required of all students. The philosophy program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007. The department code may be left blank or entered as 0000.

The statement of purpose should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, and the proposed research specialization (no more than 600 words in length).

The writing sample must be a piece of philosophical writing, preferably a seminar paper or published article (no more than 20 pages).

#### Contact Information:

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/grad/philosophy-phd>  
COOR 4595  
SHPRSGradInfo@asu.edu  
480-965-5778

## Philosophy (History and Philosophy of Science), MA (LAHPSMA)

**Online Degree Search Title:** Philosophy (History and Philosophy of Science), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

Nationally, there is great interest in science and in understanding the nature of science and the forces that change scientific research. The job market in philosophy is strong for philosophers of science (and especially in the life sciences) with some positions remaining unfilled even when the market is intensely competitive in other areas. In addition, the history and philosophy of science is becoming a strong disciplinary emphasis within growing professional societies.



Some programs, elsewhere, focus primarily on philosophy or primarily on history, but those that bring the two together are regarded among the strongest in each area. The objective here is to provide a program for students who come to history and philosophy of science from the humanities and who seek a career based in philosophical analysis of the sciences. ASU's MA program in philosophy with a concentration in the history and philosophy of science has the research strength competitive with any international program.

**Degree Requirements:**

30 credit hours, including the required capstone course (HPS 551) and a thesis.

Graduate coursework includes:

history of science (3)  
philosophy of science (3)  
topics in the history of science (3)  
topics in the philosophy of science (3)  
research methods in the history and philosophy of science (3)  
prospectus writing (3)  
research and thesis (12)

**Admission Requirements:**

This program is no longer accepting applications.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://sols.asu.edu/degree-programs/graduate>  
LSC 284  
SOLS@asu.edu  
480-965-8927

## Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)

**Online Degree Search Title:** Philosophy (History and Philosophy of Science), PhD

**Campus:** Tempe

ASU is not currently accepting applications to this program.

**Program Description:**

The strength of ASU's PhD program in philosophy with a concentration in the history and philosophy of science is to bring philosophy, history and the study of science together. This degree program combines solid training in the core areas of philosophy with an emphasis on transdisciplinary studies of the sciences and their:

- conceptual structure
- epistemology
- history
- impacts on society

The program is especially appropriate for students with a background in philosophy who seek to broaden their disciplinary studies with a historical perspective. Applicants will typically come from undergraduate programs that have included philosophical, historical or history and philosophy of science training, or with a master's degree in one of those fields. Science students are eligible as well and will make up relevant undergraduate humanistic core courses during their first years.

Most graduates will seek a career based in philosophical or historical analyses of the sciences.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Concentration (18 credit hours)  
history of science (3)  
philosophy of science (3)  
prospectus writing (3)  
research methods in the history and philosophy of science (3)

topics in the history of science (3)  
topics in the philosophy of science (3)

Other Requirements (21 credit hours)  
advanced logic or approved equivalent (3)  
approved philosophy or other relevant courses (9)  
a course in history of philosophy (3)  
a course in value theory (3)  
HPS 615 Biology and Society Lab (3 hours, one credit each)

Electives or Research (33 credit hours)

Culminating Experience (12 credit hours)  
HPS 799 Dissertation (12)

**Admission Requirements:**

This program is not currently accepting applications.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://sols.asu.edu/degrees/grad/history-philosophy-science-phd>  
LSC 226  
SOLS@asu.edu  
480-965-1768

## Physics, MS (LAPHYSIMS)

**Online Degree Search Title:** Physics, MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The MS program in physics provides graduate instruction and research experience appropriate to many physics-related careers. The structure of the program is flexible enough to allow a wide range of programs of study and a wide range of student backgrounds. It is also suitable for part-time study.

Completion of the program requires a minimum of two years, with students typically taking courses for the first three semesters and completing a research project in their final semester. Each student defends a master's degree thesis at the end of the program.

**Degree Requirements:**

30 credit hours and a thesis.

The master's degree in physics can emphasize either physics or physics in combination with other fields.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in physics or a closely related field, from a regionally accredited institution. To be admitted to the master's degree program in physics without deficiencies, applicants should have adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- test scores for the verbal, quantitative and analytical sections of the GRE

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency in the form of a TOEFL or equivalent score.

Submission of scores for the physics GRE subject test is recommended, although not mandatory.

Financial support in the form of teaching or research assistantships is contingent upon satisfactory performance in coursework, timely completion of the final examination for the master's degree, and need and availability of such support.

Students on probation are offered financial support only under exceptional circumstances.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Department of Physics  
<https://physics.asu.edu/>  
PSF 470  
physics.grad@asu.edu  
480-965-3561

## Physics, PHD (LAPHYSIPHD)

**Online Degree Search Title:** Physics, PhD

**Campus:** Tempe

#### Program Description:

The PhD in physics is intended for highly capable students having the interest and ability to follow a career in independent research. Graduates find positions in a variety of settings, such as academic faculty, administration, government labs, industrial labs, and management.

The recent advent of the graduate faculty initiative at ASU extends the spectrum of potential physics doctoral topics and advisors to include highly transdisciplinary projects that draw upon:

- biochemistry
- biology
- chemistry
- electrical engineering
- materials science
- other related fields

Consequently, students and doctoral advisors can craft novel doctoral projects that transcend the classical palette of physics subjects. Transdisciplinary expertise of this nature is increasingly vital to modern science and technology.

Current areas of particular emphasis within the department include:

- biological physics
- cosmology
- electron diffraction and imaging
- nanoscale and materials physics
- particle physics and astrophysics

The department has more than 90 doctoral students and more than 40 faculty members.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Coursework (18 credit hours)

PHY 500 Research Rotation I (3)

PHY 500 Research Rotation II (3)

PHY 521 Classical and Continuum Mechanics (3)

PHY 531 Electrodynamics (3)

PHY 541 Statistical Physics (3)

PHY 576 Quantum Theory (3)

Electives or Research (54 credit hours)

Culminating Experience (12 credit hours)

PHY 799 Dissertation (12)

#### Additional Curriculum Information

Of particular note within the core courses are the PHY 500 Research Rotations, which are specifically designed to engage doctoral students in genuine, faculty-guided research starting in their first semester at ASU. Students take PHY 500 in the first and second year of study.

Coursework beyond the core courses is established by the student's doctoral advisor and supervisory committee, working in partnership with the student. The intent is to tailor the doctoral training to the specific research interests and aptitudes of the student while ensuring that each graduating student emerges with the expertise, core knowledge and problem-solving skills that define a successful doctoral degree in physics.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework are made up of electives to reach the required 84 credit hours.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics or a closely related area, from a regionally accredited institution. Applicants must have had adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores (general GRE and physics GRE)
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Scores from the verbal, quantitative and analytical sections of the GRE are required. The subject GRE test scores are also required.

Applicants requesting credit for prior graduate courses, taken either at ASU or elsewhere, must demonstrate mastery of the relevant course material to the graduate-level standards of the Department of Physics.

#### Contact Information:

Liberal Arts & Sciences, The College of

Department of Physics

<https://physics.asu.edu/content/physics-phd-0>

PSF 470

physics.grad@asu.edu

480-965-3561

## Plant Biology and Conservation, MS (LAPLBIOMS)

**Online Degree Search Title:** Plant Biology and Conservation, MS

**Campus:** Tempe

#### Program Description:

Conservation addresses a growing need for botanists and conservation biologists in academic institutions, government agencies and nongovernmental organizations. The MS program in plant biology and conservation provides students with advanced training in plant ecology, evolution and floristics as well as in theory and practice of conservation biology. Students have the opportunity to work with faculty and researchers from ASU and the Desert Botanical Garden, which is located near ASU's Tempe campus.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core (3 credit hours)

PLB 502 Perspectives in Plant Biology (3)

Research (3 credit hours)

PLB 592 Research (3)

Electives (17 credit hours)

Other Requirements (1 credit hour)

PLB 591 Seminar (1)

Culminating Experience (6 credit hours)

PLB 599 Thesis (6)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology, botany or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/degrees/grad/plant-biology-conservation-ms>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## Political Science, MA (LAPOLSCMA)

**Online Degree Search Title:** Political Science, MA

**Campus:** Tempe

**Program Description:**

The MA program in political science offers a variety of areas of specialization within and between the four main sub-fields of political science --- American politics, comparative politics, international relations, and political theory --- with particular strengths in ethno-religious dynamics, women and politics, conflict and human rights, and Latino politics.\*

Faculty also conduct research and teach in the areas of political psychology and political economy, and many are active in collaborative interdisciplinary research at ASU and with scholars at other universities; many have won major grants and awards. The school is host to the Center on

the Future of War and to an experimental lab and is developing a Center on Latino politics.

This Master of Arts program may be taken as a terminal program or as a step toward eventual fulfillment of the requirements for the doctorate. Students who plan to obtain the doctorate at ASU should apply directly to the doctoral program.

\*Students interested in a political theory specialization should consult with the academic unit prior to application.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Studies, BA
- Political Science, BA
- Political Science, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core Course (3 credit hours)

POS 503 Empirical Political Inquiry (3)

Other Requirements (6 credit hours)

Focus area course (3)

POS 603 Polimetrics I or second focus area course for political theory (3)

Electives (15 - 21 credit hours)

Culminating Experience (0 - 6 credit hours)

POS 599 Thesis (6) or

Portfolio (0)

Additional Curriculum Information:

Students selecting the thesis option must submit a written thesis and hold an oral defense. Students selecting the portfolio option must submit a written paper and hold an oral defense.

The course POS 603 Polimetrics I (3) may be substituted with permission of both the director of Graduate Studies and the faculty advisor. Students in the political theory focus area will take a second focus area course instead of POS 603.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- GRE scores
- three letters of recommendation
- list of political science courses taken
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

To assist in evaluating all candidates, the applicant should list titles and related information for all previous undergraduate and graduate courses or

coursework in political science or related fields. The file must be saved in a .pdf, .doc, .rtf or .txt format and uploaded with the online graduate admission application. The information should be in a table with the following column headings: Course Title, Undergrad Credit Hours, Graduate Credit Hours, Grade, Institution, Year.

Undergraduate coursework in political science is not a prerequisite for admission. However, master's degree students should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of concentration that they wish to study. Students should allow sufficient time to acquire such a background.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/political-science-ma>  
COOR 6801  
spgs@asu.edu  
480-965-8563

## Political Science, PHD (LAPOLSCPHD)

**Online Degree Search Title:** Political Science, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in political science is intended to develop scholars who demonstrate a high level of excellence in teaching and research as professional political scientists. It offers a variety of areas of specialization within and between the four main sub-fields of political science: American politics, comparative politics, international relations, and political theory. Students interested in a political theory specialization should consult with the academic unit prior to application.

Program faculty have particular strengths in ethno-religious dynamics, women and politics, conflict and human rights, and Latino politics. Faculty also conduct research and teach in the areas of political psychology and political economy.

The school is host to the Center on the Future of War and to an experimental lab, and it is developing a center on Latino politics. Many faculty members are active in collaborative interdisciplinary research at ASU and with scholars at other universities, and they have won major grants and awards, as have the school's doctoral students. Program graduates have a strong track record of obtaining positions in academic, public and private sectors. The program works closely with students so they have the opportunity and tools needed to achieve their career goals.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

POS 503 Empirical Political Inquiry (3)

Electives and Research (39 credit hours)

Culminating Experience (12 credit hours)

POS 799 Dissertation (12)

Additional Curriculum Information

A maximum of 12 credit hours of approved coursework outside the department but within ASU may count toward the required 84 credit hours.

Coursework beyond the 12 credit hour maximum may be taken outside the department with permission of both the director of Graduate Studies and the faculty advisor.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives to reach the required 84 credit hours.

Also required is a formal oral defense of the dissertation and a written comprehensive examination in the major and minor fields.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited

institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- GRE scores
- three letters of recommendation
- list of political science courses taken
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

To assist in evaluating all candidates, the applicant should list titles and related information for all previous undergraduate and graduate courses or coursework in political science or related fields. The file must be saved in a .pdf, .doc, .rtf or .txt format and uploaded with the online graduate admission application. The information should be in a table with the following column headings: Course Title, Undergrad Credit Hours, Graduate Credit Hours, Grade, Institution, Year.

Undergraduate coursework in political science is not a prerequisite for admission. However, applicants to the doctoral program should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of specialization that they wish to study. Students without this background should allow sufficient time to acquire it.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/political-science-phd>  
COOR 6801  
spgs@asu.edu  
480-965-8563

## Psychology, PHD (LAPSYCHPHD)

**Online Degree Search Title:** Psychology, PhD

**Campus:** Tempe

**Program Description:**

The Department of Psychology offers PhD programs designed to provide outstanding training in innovative research, methodology and the application of psychological principles to a wide variety of human conditions. The department is organized into six major areas of interest:

- behavioral neuroscience
- clinical psychology
- cognitive science
- developmental psychology
- quantitative (must apply to the Quantitative Research Methods PhD)
- social psychology

Students pursue their graduate studies within one of these six areas, and each area determines the basic curriculum for their graduate program. There is, however, substantial opportunity to integrate courses of study across areas in the department.

Further specialized emphases are available that integrate across programs in the university (e.g., integrating psychology and law).

At the core of doctoral training in psychology is an emphasis on the development of skill in research and quantitative methods. Faculty in all six



areas are actively engaged in major research programs. These theoretically grounded research programs address the breadth of psychological processes:

- cognitive processes (e.g., attention, language, memory) as they occur within the context of perception and action, personality and issues of stigma and prejudice
- cultural influences on psychological processes
- evolution and behavior
- individual resilience
- lifespan developmental aspects of emotion and cognition
- neurobiological and psychosocial processes that underlie behavior and health (e.g., drug abuse, stress, heart disease)
- prevention of child mental health problems

A unique strength of the Department of Psychology is the wealth of outstanding faculty members whose specialization is quantitative methods. A breadth of courses and experiences in quantitative methods are available that are well-integrated into the areas of research that characterize the department and offer students the distinctive opportunity to develop expertise in this critical domain.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Juris Doctor, JD

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

PSY 502 Professional Issues in Psychology (3) or

PSY 531 Multiple Regression in Psychological Research (3)

Culminating Experience (12 credit hours)

PSY 799 Dissertation (12)

Additional Curriculum Information

In addition to required coursework pertaining to the training area, students take courses related to their area of interest as determined in consultation with their supervisory committees. All doctoral students complete 12 dissertation credit hours. Requirements vary across training areas.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- SlideRoom application and fee

- statement of purpose form
- applicant response form
- graduate assistantship application
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

To apply to the doctoral programs, applicants must follow the instructions on the doctoral program admissions instructions and checklist. It is strongly recommended that applicants download and print this form to ensure completion of the application process and include all of the required supplemental forms.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to Department of Psychology doctoral programs is also completed via SlideRoom to process supplemental application materials. The SlideRoom account requires an additional fee.

Applicants must submit three academic letters of recommendation from faculty members who know the student well. Three letters are required but four letters of recommendation may be submitted.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 Department of Psychology  
<https://psychology.asu.edu/degrees/doctoral>  
 PSY 203  
 psychgrad@asu.edu  
 480-965-7598

## Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)

**Online Degree Search Title:** Psychology (Quantitative Research Methods), PhD

**Campus:** Tempe

#### Program Description:

The quantitative research methods concentration of the PhD in psychology focuses on the broad class of quantitative and methodological issues that arise in the conduct of both basic and applied psychological research.

There are six core faculty members in the quantitative concentration who, in addition to their quantitative research, collaborate with colleagues in substantive research areas. These collaborations help to support the training of students in quantitative methods against a backdrop of methodological issues associated with the substance of psychological science.

The quantitative concentration program is committed to training the next generation of psychological methodologists who will make contributions in developing methods in the areas of measurement, study design and analysis, modeling, and in evaluating the utility of new and existing methods in psychological research.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

PSY 502 Professional Issues in Psychology (3) or

PSY 531 Multiple Regression in Psychological Research (3)

## Additional Curriculum Information

The quantitative curriculum is structured as a series of progressively more advanced courses. New quantitative courses may be implemented under an omnibus number (PSY 591) at the interest of the faculty.

Students complete the following coursework:

PSY 530 Intermed Statistics (3)

PSY 532 Analysis of Multivariate Data (3)

PSY 533 Structural Equation Modeling (3)

PSY 534 Psychometric Methods (3)

PSY 555 Experimental and Quasi-Experimental Designs for Research (3)

PSY 591 Quantitative Seminar (3 credit hours annually)

During the course of training, students also complete these requirements:

psychological methodology electives (12)

substantive coursework (6)

additional substantive or psychological methodology electives (6)

PSY 599 Master's Thesis (6)

PSY 792 Post-Master's Research (12)

PSY 799 Dissertation (12)

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- SlideRoom application and fee
- statement of purpose form
- applicant response form
- graduate assistantship application
- curriculum vitae or resume
- GRE scores
- three letters of recommendation

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

To apply to the doctoral programs, applicants must follow the instructions on the Doctoral Program Admissions Instructions and Checklist. It is strongly recommended that applicants download and print the Doctoral Program Admissions Instructions and Checklist to ensure completion of the application process and include all of the required supplemental forms.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to the Department of Psychology doctoral programs is also completed via SlideRoom, to process supplemental application materials. The SlideRoom account requires an additional fee.

Applicants must submit three academic letters of recommendation from faculty members who know the student well. Three letters are required but four letters of recommendation may be submitted.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/quantitative>  
PSY 203  
psygrad@asu.edu  
480-965-7606

## Religious Studies, MA (LARELIGMA)

**Online Degree Search Title:** Religious Studies, MA

**Campus:** Tempe

#### Program Description:

The faculty in religious studies offer a graduate program leading to the MA in religious studies. Candidates are offered an opportunity to develop knowledge of various religious traditions in their historical and cultural contexts and to learn research methods. Although students often concentrate upon a single religious tradition for their thesis work, the program seeks to provide a broadly comparative understanding of religions, not simply a specialist's training in a single tradition.

#### Degree Requirements:

30 credit hours including the required applied project course (REL 593) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.

Required Core (6 credit hours)

REL 501 Research Methods in Religious Studies (3)

REL 502 Research Methods in Religious Studies (3)

Electives or Research (18-21 credit hours)

Culminating Experience (3-6 credit hours)

REL 599 Thesis (6) or

REL 593 Applied Project (3)

#### Additional Curriculum Information

There are two options for the culminating experience: a thesis or an applied project. An oral defense of the final written work is required for both options.

The thesis option is recommended for students intending to seek admission to a doctoral program upon completion of the master's degree or planning to teach in the discipline at community colleges. Thesis students must have reading knowledge of all languages relevant to the proposed thesis topic and take 18 credit hours of electives or research coursework.

The applied project option is recommended for students intending to augment their primary area of expertise and professional training in fields such as counseling, journalism, K-12 education, law, social work and the ministry. The applied project requires submission of three publishable papers: one on theory and method, one on the student's minor area of study, and one on the major area of study. The student's chosen areas of study determine the coursework taken as electives, with applied project students taking 21 credit hours of electives coursework, four courses being in a

major area of study and two courses being in a minor area. Reading knowledge of a foreign language relevant to the proposed area of study is required.

The student's plan of study may include up to six credit hours of 400-level course work or one REL 690: Reading and Conference (3) course with department approval.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Transcripts must show evidence of having completed the equivalent of 15 credit hours of undergraduate work in the study of religions, including advanced courses in both western and Asian or other nonwestern religions. Applicants who have not met this requirement may be required to take additional coursework beyond program requirements to remedy this deficiency.

Applicants must have a minimum of a 3.30 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program. The most competitive applicants have a GPA of 3.50 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- curriculum vitae
- writing sample
- contact information for three references
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students are required to submit contact information for three academic references who are qualified to provide detailed, accurate evaluations of the applicant's potential as a graduate student in religious studies. Professors are preferred, particularly faculty advisors. Recommenders are contacted by the Graduate College with a request to complete a reference questionnaire.

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007. The department code can be left blank or entered as 0000.

The statement of purpose should be approximately 1,000 words and should outline the applicant's academic background, career goals, and specific areas of interest in religious studies.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/grad/religious-studies-ma>  
COOR 4595  
SHPRSGradInfo@asu.edu  
480-965-5778

## **Religious Studies, PHD (LARELIGPHD)**

**Online Degree Search Title:** Religious Studies, PhD

**Campus:** Tempe

#### **Program Description:**

The academic study of religion is a central component of the humanities and has become increasingly recognized as a critical tool in understanding society and politics in a globalized world.

The PhD program in religious studies is designed for graduate students who would benefit from greater expertise regarding the nature and role of religion around the world. The program provides supplementary training that includes history, anthropology, political science, journalism, secondary education and justice studies. Through this program, graduate students are trained for careers as scholars and teachers in the academic study of religion.

Doctoral tracks in the study of religion approach the study in a variety of contexts. Specifically offered are tracks in:

- anthropology of religion
- global Christianity
- Islam in global contexts
- religion in Asia
- religion in the Americas

**Degree Requirements:**

84 credit hours, foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The plan of study must contain a minimum of 84 credit hours, including 12 hours of dissertation. Courses and research hours are approved by the student's supervisory committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Transcripts must show evidence of having completed the equivalent of 15 credit hours of undergraduate work in the study of religions, including advanced courses in both western and Asian or other nonwestern religions. Applicants who have not met this requirement may be required to take additional coursework beyond program requirements to remedy this deficiency.

Applicants must have a minimum of a 3.30 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.30 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program. The most competitive applicants will have a GPA of 3.50 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- curriculum vitae
- writing sample
- contact information for three references
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The Graduate College requires a minimum TOEFL score of 550 (PBT) or 80 (iBT).

The statement of purpose should be approximately 1,000 words describing the applicant's academic background, the reasons for wishing to pursue a doctorate in religious studies, the proposed area of specialization, and specific research topics the student plans to engage in at Arizona State University.

The writing sample should be a work of original scholarly writing, approximately 15 to 30 pages in length. It should represent the student's best academic writing.

Students are required to submit contact information for three academic references who are qualified to provide detailed, accurate evaluations of the applicant's potential as a graduate student in religious studies. Professors, particularly faculty advisors, are preferred. Recommenders are contacted by the Graduate College with a request to complete a reference questionnaire. Letters of recommendation can be submitted in addition to answering these questions online.

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007. The department code can be left blank or entered as 0000.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/grad/religious-studies-phd>  
COOR 4595  
SHPRSGradInfo@asu.edu

## Renaissance Studies (certificate), Certificate (LARENAISCE)

**Online Degree Search Title:** Renaissance Studies (Graduate Certificate)

**Campus:** Tempe

### Program Description:

In this Renaissance studies certificate program, Renaissance language, early modern language and paleography lay the foundation for the examination of a time that gave the world humanism, the statue of David and more.

Students completing the certificate program are prepared for advanced study or for academic positions.

### Degree Requirements:

18 credit hours (MA certificate), or 27 credit hours (PhD certificate).

#### Renaissance Language:

Master's degree students are required to take one semester of a Renaissance language (three to four credit hours). Doctoral degree students of Medieval/Renaissance Latin, Spanish literature or Portuguese literature are required to take two semesters (six to eight credit hours). This requirement presupposes two years or 12 to 16 credit hours or the equivalent of undergraduate training in Latin.

Proficiency is proven either by achieving a grade of "B" or better (3.00 on a 4.00 scale) in the medieval Latin courses or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies, University of Toronto.

#### Early modern language at the upper-division level:

Master's degree students are required to take two semesters (six credit hours). Doctoral degree students are required to take three semesters (nine credit hours). Literature or linguistics classes may apply.

#### Paleography:

Students are required to take one semester (three credit hours).

#### Coursework outside the major discipline:

Master's degree students are required to take two semesters (six credit hours). Doctoral degree students are required to take three semesters (nine credit hours).

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students enrolled in an existing master's degree or doctoral program and in good standing.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

#### All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

### Contact Information:

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://acmrs.org/academic-programs/certificate>  
COOR 4432  
acmrs@asu.edu  
480-965-8097

## Scholarly Publishing (certificate), Certificate (LASCHPUBCE)

**Online Degree Search Title:** Scholarly Publishing (Graduate Certificate)

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The scholarly publishing certificate program offers training in publishing studies to graduate students from any discipline. The program focuses on publishing wherever it occurs: museums, corporations, cultural institutions, university presses, commercial houses, digital startups, libraries, journal and textbook publishers, and learned societies. Students create the future world of publishing as it is expressed in the digital world of e-books, apps, blogs, websites, interactive media, online scholarship and popular writing. Graduates work for publishing houses, museums, corporations, cultural institutions, government agencies and libraries.

**Degree Requirements:**

20 credit hours.

Coursework includes four required core courses and electives from a variety of disciplines. The certificate requirement includes a summer internship. Some courses may be applied to both the certificate and the student's degree program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- a resume or curriculum vitae
- a letter of intent
- three reference letters
- official transcripts
- writing sample
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Graduate students in any discipline may pursue a certificate in scholarly publishing in conjunction with their degree programs. The program is also open to students who already hold graduate degrees.

The resume or curriculum vitae is required, and it must be uploaded into the online application.

The letter of intent should be addressed to the history review committee explaining the applicant's scholarly background and training, career goals and why the applicant wants to pursue graduate study at ASU (about 500 words in length).

Students should contact their references and inform them that they will be contacted by Graduate Admission Services and asked to submit an electronic recommendation. Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in scholarly publishing.

For the writing sample, applicants are to submit a sample of their written work electronically. The writing sample may be an article (published or unpublished), a research paper or any other extended example of expository skill no longer than 35 double-spaced pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

Disclosure information for this U.S. Department of Education Gainful Employment program is available at <https://catalog.asu.edu/files/disclosures/LASCHPUBCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LASCHPUBCE/Gedt.pdf>).

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch



<https://shprs.asu.edu/>  
COOR 4595  
SHPRSGradInfo@asu.edu  
480-965-5778

## Scientific Teaching in Higher Education (certificate), Certificate (LASTHEGRCT)

**Online Degree Search Title:** Scientific Teaching in Higher Education Certificate (Graduate Certificate)

**Campus:** Tempe

### Program Description:

The graduate certificate program in scientific teaching in higher education provides graduate students with the skills and knowledge needed to implement and evaluate evidence-based teaching at the college level. As part of the program, students gain experience teaching science in a higher education setting, take teaching-related coursework and complete a culminating experience under the guidance of a scientific teaching faculty mentor. This culminating experience can be either a significant teaching experience including the use of evidence-based teaching or discipline-based education research focused on undergraduate science education.

### Degree Requirements:

17 credit hours including an applied project course (BIO 593).

Required Core (6 credit hours)

BIO 530 Scientific Teaching (2)

BIO 531 Advanced Scientific Teaching (3)

BIO 532 Recent Papers in Discipline-Based Education Research (1)

Electives (6 credit hours)

Other Requirement (2 credit hours)

Students have to select a teaching internship course from a restricted list.

Culminating Experience (3 credit hours)

BIO 593 Applied Project (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admissions application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

### Contact Information:

Liberal Arts & Sciences, The College of  
School of Life Sciences

<https://sols.asu.edu/degree-programs/scientific-teaching-higher-education-certificate-graduate-certificate>

LSA 181

sols.grad@asu.edu

480-965-1768

## Sexuality Studies (Certificate), Certificate (LASXSGRCT)

**Online Degree Search Title:** Sexuality Studies (Graduate Certificate)

**Campus:** Downtown Phoenix, Tempe, West

**Program Description:**

The graduate certificate program in sexuality studies addresses the social construction of sexualities, sexual identities and cultures. This program interrogates heterosexuality and institutionalized heterosexism, and addresses lesbian, gay, bisexual, transgender, queer and two-spirit identities and expressions as well as non-normative sexual identities that are not captured by LGBTQ-TS categories. This program allows students the flexibility to work with courses in sexuality studies offered across disciplines and units at ASU. Students gain theoretical and analytic tools to examine gender and sexual formations and how social issues and state institutions impact and are impacted by sexuality as a social norm. In addition, coursework allows students to further investigate sexualities in relation to sexual stratification, reproductive rights and justice, sexual health and justice, carceral genders and sexualities, sex work, the state and legal system, and transnational and diasporic formations.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

SST 604 Sexuality Studies (3)

Electives (12 credit hours)

Additional Curriculum Information

For elective coursework, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of purpose for pursuing the certificate
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The certificate is only open to current ASU degree-seeking students. However, with academic unit and Graduate College approval, up to nine credit hours of ASU non-degree credit may be transferred into the certificate program for those who eventually gain admission into an ASU graduate degree program. This will be administered by the graduate certificate committee. Students should refer to the Graduate College policy on certificate programs.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/graduate-certificates>  
WILSN 125  
SSTadvising@asu.edu  
480-965-7682

**Online Degree Search Title:** Social and Cultural Pedagogy, MA

**Campus:** Tempe

**Program Description:**

The MA in social and cultural pedagogy is a two-year program designed for educators with professional experience who seek to develop real-world skills and practical knowledge that will help them accomplish specific career goals.

The first of its kind in North America, the program focuses on the study of learning beyond schooling, delving into research, theory and practice for nonformal education across cultures, ages and education levels. This is an interdisciplinary program in social and cultural pedagogy in which students work with communities to address and solve complex societal problems by analyzing social structures and cultural dynamics and by planning, implementing and evaluating social and educational strategies in a variety of areas, with a focus on nonformal and informal education. Each student creates a highly individualized and transdisciplinary path of study, taking classes tailored to meet their specific goals.

A master's degree in social and cultural pedagogy provides educators with the skills they need to create positive change in nontraditional educational settings, including early childhood education, museums, nongovernmental organizations, and adult and community education, among others.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (SST 593).

Required Core (9 credit hours)

JUS 500 Research Methods (3)

SST 501 Foundations of Social Transformation (3)

SST 510 Social and Cultural Pedagogy: Theoretical and Practical Issues (3)

Electives (15 or 18 credit hours)

Culminating Experience (3 or 6 credit hours)

SST 593 Applied Project (3) or

SST 599 Thesis (6)

Additional Curriculum Information

Students who elect to complete the applied project option must take 18 credit hours of elective coursework to reach the required 30 credit hours for the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution recognized by ASU.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores are required for applicants whose native language is not English.

Applicants should supply a two- to three-page application letter (writing sample) in which they explain why they want to study in this program and why they feel well-prepared to succeed in this graduate program.

The resume should describe prior educational history, related work or volunteer experiences.

### Contact Information:

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degrees/grad/social-cultural-pedagogy-ma>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## Social Science Research Methods (Certificate), Certificate (LASSRMGRCT)

**Online Degree Search Title:** Social Science Research Methods (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

### Program Description:

The graduate certificate program in social science research methods prepares students to acquire, manage and analyze a broad range of data on human thought and human behavior. Data can be qualitative (e.g., text, images or sound) or quantitative (e.g., direct observation, surveys or geospatial). Data acquisition skills may include the downloading and managing of information from online sources or the primary collection of data in surveys or in direct observation. A key feature of this program is a focus on data analysis, so students and professionals will be able to analyze and interpret any data that they can collect. All students in this program demonstrate skills in statistical analysis plus skills in a selection of methods related to their interests.

### Degree Requirements:

18 credit hours including an applied project course (GCU 593).

Required Core (3 credit hours)

SOC 508 Structural Equation Analysis for the Social Sciences (3) or

STP 533 Applied Multivariate Analysis (3) or

POS 604 Polimetrics II (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)

GCU 593 Applied Project (3)

### Additional Curriculum Information

Students select one of the multivariate data analysis core courses for a total of three credit hours.

Students select four three-credit hour elective and research methods courses for a total of 12 credit hours in consultation with the program directors. The program recognizes that other graduate-level courses on research methods are offered at ASU. Advanced courses on methods are often taught in omnibus courses, courses that have rotating content and whose content is not reflected in their titles. Students may include these courses in their certificate curriculum with approval of the program directors.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a field such as human development, sustainability, geography or political science. Other subject areas may be accepted with approval from the academic unit.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must have completed an introductory statistics course before admission to the program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of interest
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Examples of introductory statistics courses include:

CRJ 504 Statistical Tools for Criminology and Criminal Justice

NUR 617 Foundational Concepts in Science and Statistics

POS 603 Polimetrics I

STP 530 Applied Regression Analysis

or equivalent with approval of the academic unit

A statement of interest should include how the certificate program will enhance the applicant's graduate studies or professional work.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Geographical Sciences and Urban Planning

<https://issr.asu.edu/social-science-research-methods-graduate-certificate>

COOR 5544

[sgsup.gradprograms@asu.edu](mailto:sgsup.gradprograms@asu.edu)

480-965-5005

## Social Transformation Certificate, Certificate (LASOTGRCT)

**Online Degree Search Title:** Social Transformation (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:**

The graduate certificate in social transformation is designed for graduate and postbaccalaureate students interested in how change is catalyzed by social movements, protest, law, social entrepreneurship, activism and community organizing. Through the exploration of theories and research related to social change, students are able to augment their disciplinary degrees and be prepared to contribute as leaders and change-makers in their communities.

**Degree Requirements:**

15 credit hours and a practicum.

Required Core (3 credit hours)

SST 501 Foundations of Social Transformation (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)

SST 580 Practicum (3)

Additional Curriculum Information

The electives taken are selected with the faculty advisor. The faculty advisor helps to directionalize the electives to ensure they have a common theme. This helps to ensure students' experiences in the courses align with the learning goals outlined for the certificate.

The culminating experience is a community-based practicum experience and a paper that synthesizes students' interests with their implications for social transformation. The practicum placement will be with a local nonprofit or governmental organization working toward social innovation and social change. Students are assisted in identifying a practicum placement by the program advisor. At the end of the practicum, students produce a paper which analyzes the social and political dimensions of some issue within social transformation or some aspect of it. The paper also should identify the implications of this aspect or issue for social policy and social justice. The paper should begin within the context of the practicum

experience and will be presented to the designated subset of the certificate executive board for final approval. Students take SST 580 Practicum to complete the practicum and then revise, improve and finalize the paper with a certificate faculty member.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students must submit a statement of purpose to the School of Social Transformation that is no longer than 250 words. The statement should indicate any demonstrated interest in the study of social transformation (e.g., previous coursework, professional experience, internships, career plans).

Applicants must meet the above criteria as judged by the School of Social Transformation graduate committee to have strong academic credentials, undergraduate or graduate GPA, as well as demonstrated interest in the area of social transformation. The committee reviews applications for the certificate program in the fall and spring semesters of each year and make its admission recommendations to Graduate Admission Services.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/content/social-transformation-certificate>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## Socio-Economic Justice (certificate), Certificate (LAECJUGRCT)

**Online Degree Search Title:** Socio-Economic Justice (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate in socioeconomic justice addresses the social and political implications of global and local economies for economic inequality and social justice. This transdisciplinary program fuses interests in political economy, socioeconomic inequality and analysis of related policies and their consequences for social welfare in areas of income, housing, employment and education.

This program complements the current graduate curriculum at ASU and is structured to allow students to draw upon a combination of core courses in justice and social inquiry and coursework from units from throughout the university. The approach is transdisciplinary (i.e., inclusive of courses in a variety of disciplines but transcending disciplinary boundaries through an integrative core curriculum), intersectional (i.e., considering gender, race, class, nation and sexual relations) and transnational (courses that examine global and local concerns). It will strengthen student understanding of the justice implications of the convergence of social and economic inequalities in the global economy.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

Students must select one course from each of the following two areas of study:

Economic Justice (3 credit hours)

JUS 550 Gender, Race and Economic Justice (3) or

JUS 660 Globalization and Economic Justice (3)  
Conducting Research in Communities (3 credit hours)

JHR 525 Action Research in Social Justice and Human Rights (3) or

JUS 633 Community Research (3)

Electives (9 credit hours)

Additional Curriculum Information

Students must select three elective courses on socioeconomic justice from a restricted list, and they should see the academic unit for the full list of possible courses.

Only one 400-level course may be listed on the plan of study. Students must have prior approval from the director of the certificate program for use of any 400-level course.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- at least one letter of recommendation
- a statement of purpose for pursuing the certificate
- a writing sample demonstrating excellent writing and analytical skills
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter of recommendation, statement of purpose and writing sample should be submitted to the justice and social inquiry program office.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation

<https://sst.asu.edu/content/socio-economic-justice-grad-certificate>

WILSN 125

SSTgraduate@asu.edu

480-965-7682

## Sociology, MA (LASOCMA)

**Online Degree Search Title:** Sociology, MA

**Campus:** Online

### **Program Description:**

The MA program in sociology provides advanced training for those preparing for applied careers in sociology. Students gain knowledge and skills that can be used to promote healthy individuals and families. They develop an understanding of how social context influences well-being and an understanding of the factors that promote successful relationships and positive outcomes.

The online format provides easy access to rigorous and valuable information that informs best practices in improving the lives of individuals, families and communities. The program also includes a customizable culminating experience that allows students to focus their training in their areas of interest and work.

### **Degree Requirements:**

30 credit hours and a capstone course (SOC 588).

Required Core (9 credit hours)

SOC 585 Sociological Theory (3)

SOC 586 Capstone I or FAS 586 Capstone I (3)

SOC 587 Capstone II or FAS 587 Capstone II (3)

Electives (12 credit hours)

Other Requirements (6 credit hours)

SOC 500 Research Methods (3)

SOC 501 Social Statistics (3)

Culminating Experience (3 credit hours)

SOC 588 Capstone III (3)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

SOC 500 and SOC 501 may be replaced by equivalent courses with approval by the academic advisor.

### **Admission Requirements:**

All applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- current resume or curriculum vitae
- a personal statement of goals relevant to the master's degree program



- two letters of recommendation from academic or professional backgrounds
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency; required is a TOEFL score of at least 600.

The personal statement must be four to five pages long, double-spaced, and it should address the applicant's professional goals, applicant's strengths for success in the program, and any relevant professional experience or responsibilities that have been completed.

Letters of recommendation must be from at least two individuals with a professional or academic background and connection to the applicant. Family members and friends do not meet this criterion. Letters of recommendation will be received electronically.

Applicants should see the program website for application deadlines and admission terms.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-sociology/>)

#### Contact Information:

Liberal Arts & Sciences, The College of  
 Sanford School of Social and Family Dynamics  
<https://thesanforsschool.asu.edu/degree-programs/graduate-programs/sociology-ma>  
 SS 144  
[graduatesanford@asu.edu](mailto:graduatesanford@asu.edu)  
 480-965-6875

## Sociology, PHD (LASOCPHD)

**Online Degree Search Title:** Sociology, PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

This program's name has changed effective Fall 2019. The previous name was Sociological Inquiry.

#### Program Description:

The PhD program in sociology provides advanced training in theory, research methodology and substantive fields to prepare sociologists for teaching and research with special emphasis on family, medical sociology and demography.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

SOC 603 Perspectives in Sociological Inquiry (3)

SOC 685 Applied Social Theory (3)

Theory (3 credit hours)

Methods (3 credit hours)

Statistics (3 credit hours)

Elective and Research (27 credit hours)

Culminating Experience (12 credit hours)

SOC 799 Dissertation (12)

## Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used toward this degree.

A minimum of 30 credit hours of the approved doctoral program, exclusive of dissertation and research hours, must be completed after admission to the program.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree in sociology or related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- personal statement detailing professional goals and research experiences
- writing sample
- GRE scores (verbal, quantitative and writing)
- three letters of appraisal from persons familiar with the applicant's academic background
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

### **Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanordschool.asu.edu/degree-programs/graduate-programs/sociological-inquiry-phd>  
SS 144  
graduatesanford@asu.edu  
480-965-6978

## **Spanish, MA (LASPANMA)**

**Online Degree Search Title:** Spanish, MA

**Campus:** Tempe

### **Program Description:**

The MA program in Spanish includes a track in literature and culture, and one in linguistics. While the former includes Spanish, Spanish American and Mexican American literature and culture, the latter includes sociolinguistics or second language acquisition and applied linguistics.

Students admitted to the master's degree program in secondary education may elect Spanish as the subject matter field.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:  
Spanish, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a portfolio.

Required Core (3 credit hours)

SPA 540 History of the Spanish Language (3)

Culminating Experience

portfolio

Additional Curriculum Information

Students seeking a master's degree in Spanish should consult with the respective graduate representative.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should provide an academic writing sample such as an academic term paper, critical paper or research paper approximately 10 to 25 pages, prepared in an upper-division or graduate Spanish course.

Applicants should provide a personal statement that is no more than two pages, summarizing past educational experiences and goals in pursuing a graduate degree.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/spanish-ma>  
LL 440  
silc@asu.edu  
480-965-6281

## Spanish, PHD (LASPANPHD)

**Online Degree Search Title:** Spanish, PhD

**Campus:** Tempe

**Program Description:**

The Spanish PhD program consists of two specializations in Spanish literature or culture and four tracks: early modern, linguistics, Mexican-American studies and visual cultures.

The specializations in Spanish literature or cultural studies, which are intended to be as flexible as possible, establish broad areas of competence through an individualized program of study set with the supportive guidance of the student's advisor.

In addition, the tracks in literature consist of five courses that allow for a specialization in early modern, Mexican-American studies, or visual cultures.

Graduate courses in literature and cultural studies focus on the production, distribution and reception of texts and their linguistics, either written or visual (photographs, films, visual narratives, etc.), their linguistic, rhetorical and literary structure and functions, with an emphasis on literary theories and aesthetics. Many literature courses explore issues relating to gender, class, race, ethnicity, globalization, environmental humanities, disability theories, post-human theories and digital humanities.

The Spanish linguistics track offers advanced interdisciplinary graduate training that combines key areas in second language acquisition and teaching, applied linguistics, heritage language research and pedagogy, sociolinguistics, and bilingualism, with an emphasis on U.S. Spanish. In addition to taking core courses in Spanish linguistics, students can opt to specialize in one of the three following options: second language acquisition and teaching methodologies, heritage language research and pedagogy, and sociolinguistics and bilingualism. Students receive training in state of the art quantitative and qualitative research methods on the study of language from diverse perspectives.

#### **Degree Requirements:**

84 credit hours, a foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

Track (18 credit hours)

Focus Area (0 or 12 credit hours)

Electives (27 or 39 credit hours)

Research (12 credit hours)

SPA 792 Research (12)

Culminating Experience (12 credit hours)

SPA 799 Dissertation (12)

Additional Curriculum Information

The doctoral program in Spanish has four available tracks: early-modern Iberian studies, Spanish linguistics, Mexican American studies, and visual studies.

Students in the Spanish linguistics track are required to complete 12 credit hours in a focus area. Available focus areas are: second-language acquisition and teaching methodologies; heritage language research and pedagogy; and sociolinguistics, bilingualism and Spanish in the U.S. Students in this track will complete a minimum of 27 credit hours of elective coursework.

Students in the early-modern Iberian studies, Mexican American studies, and visual studies tracks complete 39 credit hours of elective coursework and do not select a focus area.

The candidate must present an acceptable dissertation based on original investigation. The dissertation must represent a significant contribution to knowledge and demonstrate the candidate's ability to do independent, scholarly research.

Each candidate is expected to demonstrate a reading knowledge of one language other than English and Spanish. This language requirement must be satisfied before the candidate is eligible to take the comprehensive examination.

The written and oral comprehensive examination, designed to ascertain the candidate's knowledge and orientation in the field of study and competency to proceed with the dissertation, is required at or near the end of coursework.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in Spanish or equivalent, from a regionally accredited institution. Applicants from other academic backgrounds with relevant coursework in Spanish language and cultural studies also may be evaluated by the admissions committee.

Applicants must have a minimum of a 3.75 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.75 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

It is recommended but not required that students applying for admission to the program submit GRE scores; this is especially advisable for applicants for the Spanish Graduate Fellowship Award.

Candidates for the program will be required to demonstrate a near-native oral proficiency in Spanish and to show that they have developed a high order of expository prose in English and Spanish by presenting a term paper or a chapter of the master's degree thesis as their writing sample.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/spanish-phd>  
LL 440  
silc@asu.edu  
480-965-6281

## Spanish Language Pedagogy (certificate), Certificate (LASPAPGRCT)

**Online Degree Search Title:** Spanish Language Pedagogy (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

Through graduate coursework, the certificate program in Spanish language pedagogy enables practicing teachers and graduate students to understand the process of Spanish language acquisition and learn cutting-edge teaching methodologies to make sound pedagogical decisions that lead to effective teaching and learning. Students gain competence in designing effective and engaging Spanish language lessons for their students and learn to be sensitive to the needs of students with diverse linguistic and cultural backgrounds, such as heritage learners. Students learn to design accurate assessment measurements, writing assignments and culture-based lessons as well as utilize modern technologies to enhance Spanish language education.

**Degree Requirements:**

18 credit hours and a portfolio.

Required Core (3 credit hours)

SPA 596 Second Language Methodologies (3)

Other Requirements (9 credit hours)

SPA 543 Structure of Spanish (3)

SPA 546 Heritage Language Pedagogy (3)

SPA 598 ST: Spanish Second Language Acquisition (3)

Electives (6 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

For courses listed as other requirements, alternative courses may be used with approval of the certificate codirectors

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish, Spanish literature and culture, Spanish linguistics, applied linguistics, second language acquisition and teaching, or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/spanish-pedagogy-certificate>  
LL 448B  
SILC@asu.edu  
480-965-2715

## Statistics, MS (GCSTATMS)

**Online Degree Search Title:** Statistics, MS

**Campus:** Tempe

**Program Description:**

The MS program in statistics draws upon a wide spectrum of faculty research and teaching interests, including from faculty outside of the school. As a result, plans of study can be transdisciplinary and tailored to reflect students' individual needs and goals.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Mathematics (Statistics), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (STP 593 or IEE 593 or ECN 593) and an oral comprehensive exam, or 30 credit hours, a thesis and an oral comprehensive exam, or 30 credit hours, a written comprehensive exam and an oral comprehensive exam.

Required Core (3 credit hours)

STP 540 Computational Statistics (3)

Theory Courses (6 credit hours)

STP 421 Probability (3) and STP 427 Mathematical Statistics (3), or

STP 501 Theory of Statistics I: Distribution Theory 3 (3) and STP 502 Theory of Statistics II: Inference (3)

Applied Linear Statistical Model Courses (3 credit hours)

ECN 525 Applied Regression Models (3), IEE 578 Regression Analysis (3) or STP 530 Applied Regression Analysis (3)

Electives and Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)

ECN 599 or IEE 599 or STP 599 Thesis (6)

Oral and written comprehensive exam (0)

Portfolio (0)

Additional Curriculum Information

Prerequisites may not be used to complete the 30 credit hours.

The theory courses are fundamental to the education of statisticians and are necessary for more advanced graduate study. Students choose STP 421 and STP 427, or STP 501 and STP 502. Other courses may be used with approval of the academic unit.

For the applied linear statistical model courses, students must choose from ECN 525, IEE 578 or STP 530. Other courses may be used with approval of the academic unit.

The thesis must be defended at an oral examination. The thesis must conform to the Graduate College format requirements.

The remaining credit hours come from elective and research courses chosen by the student with the approval of supervising faculty. A maximum of six credit hours may be chosen from a related field on which statistics relies or in which statistics is an essential tool. A maximum of six research credit hours can be used. Students may also include internship coursework as part of their electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, statistics or a closely related area from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should have completed the following courses (equivalents at ASU are given in parentheses), and applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission:

- advanced calculus (MAT 371)
- calculus (MAT 270, MAT 271 and MAT 272)
- computer programming (CSE 100)
- introductory statistics (STP 420)
- linear algebra (MAT 342)

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/degrees/graduate/statistics-ms>  
WXLR A216  
grad.math@asu.edu  
480-965-3951

## **Statistics, PHD (LASTPPHD)**

**Online Degree Search Title:** Statistics, PhD

**Campus:** Tempe

#### **Program Description:**

As a science, statistics focuses on data collection and data analysis by using theoretical, applied and computational tools. The PhD program in statistics reflects this breadth in tools and considerations while allowing students sufficient flexibility to tailor their program of study to reflect individual interests and goals. Research can be of a disciplinary or transdisciplinary nature.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (15 credit hours)

mathematical statistics (3)

probability (3)

STP 526 Theory of Statistical Linear Models (3)

STP 527 Statistical Large Sample Theory (3) or STP 530 Applied Regression Analysis (3) or IEE 578 Regression Analysis (3)

STP 531 Applied Analysis of Variance (3) or IEE 572 Design Engineering Experiments (3)

Electives (45 credit hours)

Research (12 credit hours)

STP 792 Research (12)

Culminating Experience (12 credit hours)

STP 799 Dissertation (12)

Additional Curriculum Information

Electives are to be chosen from statistics or related area courses approved by the student's supervisory committee.

Students must pass:

- one qualifying examination and coursework in analysis
- a written comprehensive examination
- a dissertation prospectus defense

Students should see the department website for examination information.

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, statistics or a closely related area, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Completion of the following courses (equivalents at ASU are given in parentheses) is required. Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission.

- calculus (MAT 270, 271 and 272)
- advanced calculus (MAT 371)
- linear algebra (MAT 342)
- computer programming (CSE 100)
- introductory applied statistics (STP 420)

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences



<https://math.asu.edu/degrees/graduate/statistics-phd>  
WXMLR A216  
grad.math@asu.edu  
480-965-3951

## Statistics (certificate), Certificate (GCSTATCE)

**Online Degree Search Title:** Statistics (Graduate Certificate)

**Campus:** Tempe

### Program Description:

The statistics certificate program provides statistical training for graduate students at ASU and working professionals in the Phoenix metropolitan area. The statistics certificate program draws upon a variety of faculty research and teaching interests from various academic units so programs of study can be tailored to reflect individual needs and goals.

### Degree Requirements:

15 credit hours.

Required Core (6 credit hours)

STP 530 Applied Regression Analysis (3) (or ECN 525 or IEE 578)

STP 531 Applied Analysis of Variance (3) (or ECN 530 or IEE 572)

Electives (9 credit hours)

Additional Curriculum Information

The nine elective credits are taken from a set of courses approved by the School of Mathematical and Statistical Sciences.

Students must have a GPA of at least 3.00 (scale is 4.00 = "A") in the courses which apply to the certificate.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should have completed the following courses (equivalents at ASU are given in parentheses):

- introductory applied statistics (ECN 221, STP 226 or STP 420)
- one semester of calculus (MAT 210, MAT 265 or MAT 270)

Applicants are also required to have some computer literacy with knowledge of a programming language, a spreadsheet program or a statistical software program.

### Contact Information:

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>  
WXMLR A216  
grad.math@asu.edu  
480-965-3951

## Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)

**Online Degree Search Title:** Teaching English to Speakers of Other Languages, MTESOL

**Campus:** Tempe, Online

**Program Description:**

The MTESOL in teaching English to speakers of other languages is for individuals who wish to build a career in the international field of English language teaching.

Through this program, students develop scholarly and professional understanding in four main areas that are central to teaching English to speakers of other languages: language, learning, research methods and teaching methods. Students have opportunities to study a variety of important topics, including computer-assisted language learning, critical pedagogy, curriculum design, English as an international language, English for academic purposes, English grammar and grammar for TESOL, intercultural rhetoric, interlanguage pragmatics, language and identity, language testing and assessment, learning transfer, materials development, nonnative English speakers in TESOL, second language acquisition, second language phonology, second language writing and World Englishes.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English (Linguistics), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required capstone course (ENG 597) and a Foreign Language Exam.

Required Core (12 credit hours)

LIN 501 Approaches to Research (3)

LIN 510 Linguistics (3)

LIN 520 Second-Language Acquisition Theories (3)

LIN 521 Methods of Teaching English as a Second Language (3)

Other Requirement (3 credit hours)

LIN 584 Internship (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)

ENG 597 Capstone (3)

Additional Curriculum Information

The foreign language requirement must be completed during the program prior to the master's degree being awarded.

The capstone is overseen by a director, who will be chosen from the Department of English linguistics and TESOL faculty.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants may have undergraduate majors in the following fields, but are not limited to these: anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, education, English literature, history and law.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements. (<https://english.clas.asu.edu/admission/graduate-admission/how-to-apply/information-international-students>)

The one-page, single-spaced statement of purpose should explain how the master's degree program fits with the applicant's long-term goals.

Letters of recommendation should provide a clear picture of the applicant's potential for successfully completing a master's degree. At least some of the letters should be from university professors who are familiar with the applicant's academic work and with master's level academic programs.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-teaching-english-speakers-other-languages/>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/masters-teaching-english-tesol>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## Transborder Studies, MAS (LATCLMAS)

**Online Degree Search Title:** Transborder Studies, MAS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The MAS program in transborder studies is designed for the postbaccalaureate professional who seeks training in an integrated program that also provides for differentiation via three thematic options. The course of study is designed to provide a cohesive and holistic program of learning that focuses on the complex economic, political, ecological, social and cultural issues of a coevolving border region of the U.S. Southwest and Mexico. Students will be required to engage in an intensive internship process in which they will apply their learning. The program will also provide a choice to explore one of the following three areas more deeply:

Transborder culture, language and learning --- This area focuses on the interrelated processes of cultural emergence, language development and learning as they interact with each other in conjunction with the development of mathematical and scientific reasoning skills, literacy skills and critical thinking in the transborder context.

Transborder media and expressive culture --- This area provides students with a transdisciplinary understanding of how representation, interpretation and language shape and are shaped by Chicana/o, Mexican and Latina/o culture in a transborder context.

Transborder migration, health and applied social policy --- This area provides students with theoretical and applied frameworks for understanding border communities in the areas of migration, health, education, environment and other areas affecting social development.

**Degree Requirements:**

30 credit hours including the required capstone course (TCL 608), a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

Required Core (12 credit hours)

TSS 502 Foundations of Transborder Studies (3)

TSS 503 Epistemologies and Transborder Thought (3)

TSS 504 Tools for Transborder Research (3)

TSS 505 Theories and Methods of Migration, Health and Applied Social Policy in a Transborder Context(3) or

TSS 506 Theory and Methods of Transborder Media and Expressive Culture (3) or

TSS 507 Theory and Methods of Transborder Cultural Acquisition, Language Development and Learning (3)

Other Requirements (15 credit hours)

TCL 601 Internship in Transborder Studies (3 semesters) (9)

TCL 691 Seminar (6)

Culminating Experience (3 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the social sciences, humanities, sciences, health, education, business or professional field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letter of recommendation (colleagues or professors)
- GRE scores
- proof of English proficiency

Additional Application Information:

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. For more information, students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Transborder Studies  
<https://sts.asu.edu/degrees/grad/transborder-studies-mas>  
INTDSB 165  
[sts.grad@asu.edu](mailto:sts.grad@asu.edu)  
480-965-5091

## Transborder Studies, PHD (LATCLPHD)

**Online Degree Search Title:** Transborder Studies, PhD

**Campus:** Tempe

**Program Description:**

This PhD program in transborder studies is intended for graduate students who seek rigorous study of transborder and transnational economic, political, artistic, social, psychological, ecological and cultural dynamics, with implications not only for the Mexican-origin and Latina/o communities in the U.S. or the U.S.-Mexico border region but also for other border communities around the world. This transdisciplinary degree program is designed for students with serious interest in the many ways border processes affect society; study addresses the past, present and future.

Due to the focus on transborder experiences in people's everyday lives, both regionally and globally, this program equips students with the knowledge, skills and competencies for transborder research, scholarship and innovation --- all of which are highly needed by current and future scholars in order to better grasp the complexity of contemporary societies in the 21st century.

Students gain the ability to communicate findings, creations or productions to an academic and community public; the ability to create pedagogical models, learning units and assessment protocols for the transmission of learned concepts, theories and methods; and the ability to design and develop transdisciplinary research. They learn how to display and apply concepts, methods and theories in courses and research projects; gain competency in the most pertinent theoretical and methodological approaches to the study of transborder and transnational contexts; and acquire historical understanding of the development of transborder ecologies, economies, social relations, migration and health, culture, power, language and expressive culture, and media.

**Degree Requirements:**

84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

TSS 502 Foundations of Transborder Studies (3)

TSS 503 Epistemologies and Transborder Thought (3) or TSS 504 Tools for Transborder Research (3)

Electives and Research (36 credit hours)

Dissertation (12 credit hours)

TSS 799 Dissertation (12)

#### Additional Curricular Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not already have a master's degree in a related field, then the remaining 30 credit hours are made up of electives and research that equal the 84 credit hours required for the doctoral program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as anthropology, economics, education, sociology, literature or psychology from a regionally accredited institution. Applicants who have earned a bachelor's or master's degree in another discipline must align their scholarly interests with the program's mission.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letters of recommendation (from academicians)
- GRE scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. For more information, students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The personal statement should include an explanation of past experiences and current scholarly interests but concentrate on potential areas of research that draw upon the specific resources of the department and faculty.

#### Contact Information:

Liberal Arts & Sciences, The College of

School of Transborder Studies

<https://sts.asu.edu/degrees/grad/transborder-studies-phd>

INTDSB 165

[sts.grad@asu.edu](mailto:sts.grad@asu.edu)

480-965-5091

## Transportation Systems (certificate), Certificate (GCTRANSCE)

**Online Degree Search Title:** Transportation Systems (Graduate Certificate)

**Campus:** Tempe

#### Program Description:

Transportation has emerged as one of the highest priority issues for policymakers, planners, employers and citizens. To respond to this challenging environment, the transportation systems certificate program enhances the education of current and future transportation professionals by building upon existing programs in a variety of disciplines offered in five colleges and two campuses in the ASU system.

The certificate program offers current ASU graduate students and transportation professionals the opportunity to pursue a wide range of transportation-related issues from a multimodal, interdisciplinary perspective. It is intended to be either a specialization within an existing master's degree or as a stand-alone nondegree program.

#### Degree Requirements:

15 credit hours including the required applied project course (PUP 593).

Required Core (3 credit hours)  
a seminar course (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)  
PUP 593 Applied Project (3)

#### Additional Curriculum Information

Three electives must be taken from an approved list of transportation-related courses including at least one from a field outside the student's major; students should see the academic unit. Students are strongly encouraged to include a course in methods or techniques applicable to transportation systems planning as one of the three elective courses.

In the applied project course, students are encouraged to work with transportation professionals in their area of interest to identify a project that is of interest to the broader public.

All decisions related to program offerings and departmental participation are made in cooperation with the transportation systems certificate admissions and advisory committee, which includes a member from each participating department.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of interest
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants who wish to seek a graduate degree in any of the cooperating departments and who are not currently enrolled at ASU must complete the full graduate school application process as specified by the department of interest in addition to the online application for the transportation certificate. The applications are evaluated independent of each other.

Applicants are asked to explain in their letter of interest what they expect to gain from the transportation certificate program and the types of courses in the program that would be the most helpful in meeting their objective.

Disclosure information for this U.S. Department of Education Gainful Employment program is available at <https://catalog.asu.edu/files/disclosures/GCTRANSCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/GCTRANSCE/Gedt.pdf>).

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/transcert>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Urban and Environmental Planning, MUEP (ARURBMUEP)

**Online Degree Search Title:** Urban and Environmental Planning, MUEP

**Campus:** Tempe

**Program Description:**

The MUEP program prepares students to help solve complex social, economic and environmental issues and create healthier, safer and more vibrant communities. Alumni of the Master of Urban and Environmental Planning program work as professional planners in a variety of public, private and nonprofit settings. The program emphasizes theories of planning, methods of analysis, effective public engagement, planning processes and creative implementation of planning tools, strategies and approaches. The master's degree program is accredited by the Planning Accreditation Board. Students who join the program are eligible for certification by the American Institute of Certified Planners after two years of professional practice.

The Master of Urban and Environmental Planning program offers a unique opportunity to integrate urban and environmental aspects of planning in a rapidly developing metropolitan area. Small classes, one-on-one advising and a common core of courses that translate knowledge into practice provide students opportunities to build technical skills and grow their professional network. As a part of the School of Geographical Sciences and Urban Planning, the master's degree program is enriched by school faculty whose research and teaching is grounded in geography, GIS, and meteorology and climatology. Students have access to a wide selection of electives within the school, electives that explore issues such as population and migration, environmental and landscape dynamics, and urban climate systems. The master's degree program is also complemented by the participation of faculty from other disciplines within the university, leading planning practitioners in the Phoenix area, and the NEURUS international research exchange program.

Faculty research and teaching interests focus especially on the following broad interdisciplinary themes:

- city building and urban structure
- environmental and resiliency planning
- housing, neighborhoods and community development
- spatial analytics and smart cities
- transportation planning and policy

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

- Public Administration - Downtown Phoenix, MPA
- Public Policy, MPP
- Sustainability Solutions, MSUS

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Urban Planning, BSP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

47 credit hours and a thesis, or 47 credit hours including the required applied project course (PUP 593), or 47 credit hours including the required capstone course (PUP 580).

Required Core (24 credit hours)

- PUP 501 Planning, History and Theory (3)
- PUP 520 Planning Practice, Ethics and Processes (3)
- PUP 531 Planning and Development Control Law (3)
- PUP 542 Environmental Planning (3)
- PUP 544 Urban Land Use Planning (3)
- PUP 571 Planning Methods I (3)
- PUP 579 Planning Methods II (3)
- PUP 642 Urban and Regional Economic Analysis (3)

Electives (14-15 credit hours)

Other Requirement (3 credit hours)

- PUP 576 GIS Workshop for Planners (3)

Culminating Experience (5-6 credit hours)

- PUP 580 Practicum: Planning Workshop (5) or
- PUP 593 Applied Project (5) or
- PUP 599 Thesis (6)

Additional Curriculum Information

Students must complete the required core courses and select an area of specialization. Students must also select a capstone studio, a professional project or a thesis option. Successful completion of an approved statistics course, if not achieved by the student as an undergraduate, will be required as a deficiency.

Students take 17 credit hours of electives for the thesis option and take 18 credit hours of electives for nonthesis.

Students take PUP 576 or another methods course approved by the department.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be no longer than 600 words and must address the applicant's academic and professional background and, if appropriate, preparation for the selected area of specialty which may include written samples or a portfolio, though these are not required.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees/master-urban-environmental-planning>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Urban Planning, PHD (ARPUPPHD)

**Online Degree Search Title:** Urban Planning, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in urban planning educates scholars for positions in leading universities; research institutions; nongovernmental organizations; international multilateral institutions; national, state and local governments; and high-level consulting firms. Topics and methods are wide-ranging and include spatial, theoretical and urban design inquiry, with a focus on the built environment, its problems, and potential solutions that improve the quality of life of urban residents.

Students benefit from a wide variety of coursework and research opportunities in five broad interdisciplinary themes that span the expertise of the faculty within the School of Geographical Sciences and Urban Planning:

- city building and urban structure
- environmental and resiliency planning
- housing, neighborhoods and community development



- spatial analytics and smart cities
- transportation planning and policy

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

PUP 710 Current Planning Theory and Practice (3)

PUP 724 Planning Methods for Doctoral Students (3)

Electives and Research (34 credit hours)

Other Requirement (2 credit hours)

PUP 701 Urban Planning Colloquium (1)

Culminating Experience (12 credit hours)

PUP 799 Dissertation (12)

Additional Curriculum Information

Students take two semesters of PUP 701 for a total of two credit hours.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field such as urban studies, geography, environmental studies, sustainability, architecture, public policy or public administration from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program and a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement must be 600 words or fewer and explain the applicant's interest in planning at the doctoral level; academic and professional background and, if appropriate, preparation for the selected area of specialty which may include written samples or portfolio; and educational and professional objectives.

Letters of recommendation should be from three faculty members who can attest to the applicant's academic achievements.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Geographical Sciences and Urban Planning

<https://sgsup.asu.edu/degree-programs/graduate-degrees/phd-urban-planning>

COOR 5671

SGSUP.gradprograms@asu.edu

## Women and Gender Studies, MA (LAWSTMA)

**Online Degree Search Title:** Women and Gender Studies, MA

**Campus:** Tempe

### Program Description:

The MA program in women and gender studies is designed for students who wish to gain research skills and knowledge about gender analysis and to apply those tools to real-world problems and solutions. Graduates may seek careers in a broad range of settings, from schools and hospitals to city governments, nonprofits and large corporations. The program is not a good fit for those who seek to become professors.

This flexible, 30-credit hour master's degree program provides advanced training in feminist research, theory and methodologies. All students can take an internship and all must complete an applied project in which students conduct research that addresses practical, site-specific problems linked to gender. Final projects may take a variety of forms, including program assessments, grant proposals, tests of new interventions or curricula, and so on. These projects may help lead students to careers in human services, program evaluation, policy development and other fields.

Full-time students can complete the degree program within two years while part-time students take longer but can combine work with study.

### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (WST 593).

Required Core (6 credit hours)

WST 501 Foundations of Feminist Thought (3)

WST 502 Interdisciplinary Gender Research Methodologies (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)

WST 593 Applied Project (6)

Additional Curriculum Information

Students must successfully provide an oral defense of the applied project.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students may be admitted with a BA or BS in any field as long as they have completed two courses in women and gender studies or have equivalent experience. Appropriate majors may include women, gender and sexuality studies; history; English; sociology; religious studies; social work; psychology; communication or ethnic studies. Students who have previously majored in a science, technology, engineering or mathematics field and have interests in gender and education or gender and science may also apply for this program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from all college and universities where the applicant earned a bachelor's or master's degree
- personal statement
- resume or curriculum vitae
- writing sample
- two or three letters of recommendation

- relevant coursework
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be approximately 1,000 words and describe any prior research experience and training, professional goals and research interests, and the fit between interests and the program's emphases. The statement should be uploaded.

The writing sample should be seven to 10 pages. This can include a research brief or report, a white paper, a policy paper or a paper for a recent academic course. The writing sample should reflect the applicant's writing ability and critical-thinking skills.

The letters of recommendation should be from a recommender who can speak to the applicant's strengths and weaknesses for graduate study; critical-thinking, writing, speaking and presentation skills; intellectual ability; leadership potential; interpersonal skills and ability to work with others; or other relevant accomplishments that best highlight the applicant's ability to complete a graduate degree in women and gender studies.

The list of relevant coursework should include at least two courses, undergraduate or graduate, the applicant has taken that focus on gender or women. In addition, the applicant should list any research methods or social justice courses.

GRE scores are not required for admission.

Further details about application requirements and application deadlines are available on the School of Social Transformation's webpage.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 School of Social Transformation  
<https://sst.asu.edu/degrees/grad/women-gender-studies-ma>  
 WILSN 125  
 SSTgraduate@asu.edu  
 480-965-7682

## World War II Studies, MA (LAWWSMA)

**Online Degree Search Title:** World War II Studies, MA

**Campus:** Online

#### Program Description:

Through advanced interdisciplinary study of World War II, students in the MA program in World War II studies explore the causes and effects of World War II, the global nature of the conflict, the evolution of governance and political systems, and human responses to conflict, violence and genocide. Program coursework also helps students contextualize current events through study of the war's historical, political and cultural legacies.

#### Degree Requirements:

30 credit hours including an capstone course (WWS 597).

Required Core (12 credit hours)

WWS 561 Decision Points I (3)

WWS 562 Decision Points II (3)

WWS 563 The Lived Experience of World War II (3)

WWS 566 World War II Today(3)

Electives or Research (9 credit hours)

Other Requirements (6 credit hours)

HST 454 History of Genocide (3) or WWS 564 The Global War (3)

WWS 460 World War II (3) or HST 460 World War II (3)

Culminating Experience (3 credit hours)

WWS 597 Capstone (3)

#### Additional Curriculum Information

Students should refer to the academic unit for the approved electives and research course list.

For the other requirements section, students must take either HST 454 or WWS 564. If a student chooses to take HST 454 to fulfill the requirement, they may take WWS 564 as an elective. Likewise, if a student chooses to take WWS 564 to fulfill a requirement, they may take HST 454 as an elective. Other coursework may be used with approval of the academic unit.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university. Students from any field who demonstrate potential will be considered for admission.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent or written statement
- written responses to unit-developed prompts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

An applicant's potential for success is determined by the quality of writing and clarity of thought demonstrated in the letter of intent and responses to the application questions. Letters of recommendation that point to a student's ability to deliver high-quality academic work and persist to an academic goal receive priority. An applicant's GPA and academic performance, particularly in humanities coursework, also indicate potential.

During the application process, applicants are prompted to write short written responses to World War II-related questions. These responses serve to demonstrate to the committee a student's writing ability and potential for thoughtful participation in degree coursework.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/world-war-ii-studies-ma/>)

#### Contact Information:

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/grad/world-war-ii-studies-ma>  
COOR 4544  
shprs@asu.edu  
480-965-5778

## Nursing and Health Innovation, Edson College of

### Acute Care Pediatric Nurse Practitioner (certificate), Certificate (NUACPNGRCT)

**Online Degree Search Title:** Acute Care Pediatric Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

Nurse practitioners are prepared to practice at the most advanced level of nursing.

This nurse practitioner certificate program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for the specialty in acute care pediatric care. Courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice for infants, children with unstable chronic, complex acute and life-threatening illnesses.

This program is offered in a hybrid in-person and iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

**Degree Requirements:**

23 credit hours.

**Required Core (20 credit hours)**

DNP 606 Principles of Pediatric Acute Care I (3)

DNP 607 Advanced Pediatric Acute Care Practicum I (7)

DNP 619 Principles of Pediatric Acute Care II (3)

DNP 620 Advanced Pediatric Acute Care Practicum II (7)

**Additional Curriculum Information**

Every certificate student must complete 600 hours of direct patient care with a nurse practitioner or physician preceptor in the clinical setting. Documented clinical experiences are required by the Pediatric Nursing Certification Board in order for the graduate to be eligible to take the national Pediatric Nurse Practitioner Acute Care certification examination. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation.
- professional resume
- goal statement
- admission essay
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students who need an F1 or J1 visa will first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Must be nationally certified as a primary care pediatric nurse practitioner. Nationally certified family nurse practitioners working as a nurse practitioner in a pediatric setting will be considered.

The goal statement should indicate the applicant's understanding of the role of the advance practice nurse with the population of interest and any experience the applicant may have working with the patient population of interest.

The admission essay should briefly describe how meeting "The Essentials of Doctoral Education for Advanced Nursing Practice" (2006) will further their career goals.

An interview with program faculty is required.

One year of clinical experience working in the pediatric acute care setting is preferred

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
HLTHN 113  
dnpnursing@asu.edu  
602-496-0937

## Adult Gerontology Nurse Practitioner (Certificate), Certificate (NUAGNPGRCT)

**Online Degree Search Title:** Adult Gerontology Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

This Commission on Collegiate Nursing Education-accredited certificate program is designed for nurses with a master's degree in nursing who seek to become adult gerontology nurse practitioners and for nurse practitioners with a master's degree or DNP who seek additional certification as adult gerontology nurse practitioners.

This certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for orientation and then two or three times per semester. Adult gerontology-focused theory and clinical courses include theories, principles and clinical skills in the care of adults across the lifespan.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

**Degree Requirements:**

22 credit hours.

Required Core (22 credit hours)

DNP 623 Adult-Gerontology Health Promotion (3)

DNP 624 Adult-Gerontology Health Promotion Practicum (3)

DNP 625 Management of Common Health Problems in Adults Across the Lifespan (3)

DNP 626 Management of Common Health Problems/Adults Across the Lifespan Practicum (5)

DNP 627 Management of Complex Health Alterations in Adults Across the Lifespan (3)

DNP 628 Management of Adults Across the Lifespan w/Complex Health Alterations Practicum (5)

Additional Curriculum Information

Nurses who complete this certificate will meet the eligibility requirements to take the National Adult Gerontology Nurse Practitioner Certification Examination. In addition to completing didactic courses, students will complete 13 credit hours (585 clock hours) of practicum experiences in a community setting.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- admission essay

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to submit an admission essay:

- Describe career goals for the next five to 10 years and discuss how obtaining a NP certificate from Arizona State University will help meet these goals.
- Read *The Essentials of Doctoral Education for Advanced Nursing Practice* (2006) from the American Association of Colleges of Nursing, then focus on one of the first seven essentials and describe how meeting this essential will further the stated career goals.

All Edson College of Nursing and Health Innovation students are required to complete health and safety requirements, and must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

For U.S. Department of Education Gainful Employment Program Disclosure information, students should refer to the Edson College of Nursing and Health Innovation website.

#### Contact Information:

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Adv Nursing Practice (Women's Health NP), DNP (NUANPWHDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

#### Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing.

This program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for this specialty through graduate courses in application of theory to advance practice. Courses focus on theories, principles and clinical skills in the care of women and their families including critical thinking, diagnosis, problem-solving and nursing management of women throughout the maternity cycle and with common gynecological problems. Client education, communication and collaboration are emphasized.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange these in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determines the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

#### Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 605 Advanced Health Assessment Across Lifespan (3)

DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)  
DNP 609 Advanced Practice Nursing Role (1)  
DNP 679 Biostatistics: Principals of Statistical Inference (3)  
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)  
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)  
DNP 705 Health Care Outcomes Management (3)  
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)  
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)  
DNP 711 Healthcare Policy and Innovation (3)  
DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration (34 credit hours)

DNP 613 Women's Health Promotion I (3)  
DNP 614 Women's Health Practicum I (3)  
DNP 615 Management of Common Problems in Women's Health (3)  
DNP 616 Advanced Women's Health Practicum II (5)  
DNP 617 Management of Complex and Chronic Disease in Women (3)  
DNP 618 Advanced Women's Health Practicum III (5)  
DNP 712 Clinical Residency and Management (12)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.



One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/dnp/womens-health-nurse-practitioner-dnp>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Advanced Nursing Practice, DNP (NUANPDNP)

**Online Degree Search Title:** Advanced Nursing Practice, DNP

**Campus:** Downtown Phoenix

**Program Description:**

DNP graduates are prepared to practice at the most advanced level of nursing.

This program, accredited by the Commission on Collegiate Nursing Education, is designed for master's degree-prepared advanced practice nurses seeking a Doctor of Nursing Practice degree. Courses are designed for clinical experts and are innovative, interesting and organized to provide students with expert colleagues and mentors across the U.S. who can challenge them to take their practice to a new level.

Graduates of this program will be able to facilitate the application and integration of research into clinical practice using innovative approaches to improve health care outcomes of populations and individuals across multiple settings.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two to three times per semester.

**Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)

- DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
- DNP 602 Evaluating Research for Practice (3)
- DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
- DNP 605 Advanced Health Assessment Across Lifespan (3)
- DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
- DNP 609 Advanced Practice Nursing Role (1)
- DNP 679 Biostatistics: Principals of Statistical Inference (3)
- DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
- DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
- DNP 705 Health Care Outcome Management (3)
- DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
- DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
- DNP 711 Healthcare Policy and Innovation (3)
- DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (28 credit hours)

Other Requirement (12 credit hours)

- DNP 712 Clinical Residency and Management (12)

Culminating Experience (3 credit hours)

- DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Applicants to the post-master's program should identify a relevant clinical issue related to advanced practice nursing that they would like to pursue during their doctoral program. Students will complete 540 hours of clinical practice residency and the program courses. Completion of an evidence-

based doctoral applied project is required. Each project will be developed individually with each student. Each student will have a primary mentor working with them on the project. Clinical practice residency hours will be used to complete the project in a practice setting; work settings may be included, but specific objectives will be developed individually with each student that may be different from the student's job. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program and up to 10 credit hours of clinical coursework from their Master of Science degree for a total of 40 credit hours.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Applicants must be certified as an advanced practice nurse. A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

Applicants will be reviewed on a space-available basis after the priority deadline. Students should see the program website for application deadlines.

#### **Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/degree-programs/graduate/advanced-nursing-practice-dnp>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## **Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP (NUANPACDNP)**

**Online Degree Search Title:** Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

**Program Description:**

DNP graduates are prepared to practice at the most advanced level of nursing.

This Doctor of Nursing Practice program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for the specialty in acute care pediatrics through the application of theory to advance practice. Courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice for infants and children with unstable chronic, complex acute, and life-threatening illnesses.

This program is offered in a hybrid in-person and iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged, as are experiences in rural areas, and sites are available for these experiences.

**Degree Requirements:**

85 credit hours including an applied project (DNP 707).

## Required Core (41 credit hours)

- DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
- DNP 602 Evaluating Research for Practice (3)
- DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
- DNP 609 Advanced Practice Nursing Role (1)
- DNP 641 Advanced Health Assessment Pediatrics (3)
- DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)
- DNP 679 Biostatistics: Principals of Statistical Inference (3)
- DNP 703 Innovation in Communication-Scholarly and Professional Writing (2)
- DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
- DNP 705 Health Care Outcomes Management (3)
- DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
- DNP 709 Individual and Innovation in Leadership in Healthcare Practice (3)
- DNP 711 Healthcare Policy and Innovation (3)
- DNP 715 Dynamics and Principles of Information in Health Care (3)

## Concentration (26 credit hours)

- DNP 606 Principles of Pediatric Acute Care I (3)
- DNP 607 Advanced Pediatric Acute Care Practicum I (6)
- DNP 619 Principles of Pediatric Acute Care II (3)
- DNP 620 Advanced Pediatric Acute Care Practicum II (6)
- DNP 643 Developmentally Based Care of the Well Child (3)
- DNP 644 Well Child Advanced Practicum (2)
- DNP 649 Advanced Physiology (3)

## Other Requirement (12 credit hours)

- DNP 712 Clinical Residency and Management (12)

## Electives (3 credit hours)

## Culminating Experience (3 credit hours)

- DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

## Additional Curriculum Information

Nurse practitioner students complete 585 hours of clinical practicum work in the first 2 years of their degree program. They complete an additional 540 hours in their clinical residency course (DNP 712) for a total of 1,125 clinical and residency hours.

Every student must complete 600 hours of direct patient care with a Nurse Practitioner or Physician preceptor in the clinical setting. Documented clinical experiences are required by the Pediatric Nursing Certification Board in order for the graduate to be eligible to take the national Pediatric Nurse Practitioner Acute Care certification examination. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation.
- professional resume
- goal statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
HLTHN 210FC  
nursingandhealth@asu.edu  
602-496-2644

**Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)**

**Online Degree Search Title:** Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

**Program Description:**

DNP graduates are prepared to practice at the most advanced level of nursing.

This program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for this specialty through graduate courses in the application of theory to advance practice. A major focus of the program is the acquisition of advanced knowledge and skills for primary care, case management, screening and health promotion of adults through the lifespan in a variety of settings, including private practice, ambulatory clinics, long-term care facilities and the patient's home.

This program is offered in a hybrid in-person and iCourse format, requiring students to travel to campus for up to one week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

**Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)

- DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
- DNP 602 Evaluating Research for Practice (3)
- DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
- DNP 605 Advanced Health Assessment Across Lifespan (3)
- DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
- DNP 609 Advanced Practice Nursing Role (1)
- DNP 679 Biostatistics: Principals of Statistical Inference (3)
- DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
- DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
- DNP 705 Healthcare Outcome Management (3)
- DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
- DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
- DNP 711 Healthcare Policy and Innovation (3)
- DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration (34 credit hours)

- DNP 623 Adult-Gerontology Health Promotion (3)
- DNP 624 Adult-Gerontology Health Promotion Practicum (3)
- DNP 625 Management of Common Health Problems in Adults Across the Lifespan (3)
- DNP 626 Management of Common Health Problems/Adults Across the Lifespan Practicum (5)
- DNP 627 Management of Complex Health Alterations in Adults Across the Lifespan (3)
- DNP 628 Management of Adults Across the Lifespan w/Complex Health Alterations Practicum (5)
- DNP 712 Clinical Residency and Management (12)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)

- DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing the DNP. The program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate Academic Catalog Archive 2019-2020

College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

Applicants will be reviewed on a space-available basis after the priority deadline; application deadlines are posted on the program website.

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/degree-programs/graduate/advanced-nursing-practice-adult-gerontology-nurse-practitioner-dnp>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Family Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

**Program Description:**

DNP graduates are prepared to practice at the most advanced level of nursing.

This Doctor of Nursing Practice degree program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for the specialty through graduate courses in the application of theory to advance practice. The focus is on development of expertise in providing primary care to individuals of all ages within traditional, nontraditional and culturally diverse families. Courses are designed to prepare the student for certification in advanced practice nursing as a family nurse practitioner.

This program is offered in a hybrid iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

**Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 605 Advanced Health Assessment Across Lifespan (3)

DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)

DNP 609 Advanced Practice Nursing Role (1)

DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)

DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)

DNP 705 Health Care Outcomes Management (3)

DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

DNP 711 Healthcare Policy and Innovation (3)

DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration (34 credit hours)

DNP 633 Family Health Promotion (3)

DNP 634 Family Health Promotion Practicum (3)

DNP 635 Management of Common Health Problems in Children, Adults and Families (3)

DNP 636 Management of Common Health Problems in Children, Adults and Families Practicum (5)

DNP 637 Management of Complex and Chronic Health Problems in Children, Adults and Families (3)

DNP 638 Management of Complex and Chronic Health Problems in Children, Adults and Families Practicum (5)

DNP 712 Clinical Residency and Management (12)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

#### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/degree-programs/graduate/family-nurse-practitioner>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

### Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing.

This Doctor of Nursing Practice degree program, accredited by the Commission on Collegiate Education, provides a foundation for the specialty through graduate courses in the application of theory to advance practice. The focus is on development of expertise in providing mental health care to individuals of all ages within traditional, nontraditional and culturally diverse families. Courses are designed to prepare students for certification in advanced nursing as a family psychiatric mental health nurse practitioner.

This program is offered in a hybrid iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange these in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

### Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

#### Required Core (41 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)  
DNP 602 Evaluating Research for Practice (3)  
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)  
DNP 605 Advanced Health Assessment Across Lifespan (3)  
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)  
DNP 609 Advanced Practice Nursing Role (1)  
DNP 679 Biostatistics: Principals of Statistical Inference (3)  
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)  
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)  
DNP 705 Health Care Outcome Management (3)  
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)  
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)  
DNP 711 Healthcare Policy and Innovation (3)  
DNP 715 Dynamics and Principles of Information in Health Care (3)

#### Concentration (41 credit hours)

DNP 660 Advanced Neuropsychopathology Lifespan (2)  
DNP 671 Advanced Mental Health Assessment Across the Lifespan (2)  
DNP 672 Psychopharmacology Across the Lifespan (3)  
DNP 673 Mental Health Promotion Across the Lifespan (3)  
DNP 674 Mental Health Promotion Across the Lifespan Practicum (3)  
DNP 675 Management of Common Mental Health Disorders Across the Lifespan (3)  
DNP 676 Management of Common Mental Health Disorders Across the Lifespan Practicum (5)  
DNP 677 Management of Complex and Chronic Mental Health Disorders Across the Lifespan (3)  
DNP 678 Management of Complex and Chronic MH Disorders Across the Lifespan Practicum (5)  
DNP 712 Clinical Residency and Management (12)

#### Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

#### Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.



The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/degree-programs/graduate/family-psychiatric-mental-health-nurse-practitioner>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Innovation Leadership), DNP

**Campus:** Downtown Phoenix

**Program Description:**

The DNP in advanced nursing practice with a concentration in innovation leadership, accredited by the Commission on Collegiate Nursing Education, is directed toward professional nurses who seek the scholarship, skills and capacity to lead effective change in systems, organizations and practice environments, using innovation theories and methodologies as the frame for their leadership practice. This concentration focuses on improving health care through facilitating a culture of best practice and providing skills necessary to develop advanced practice nursing leaders for the future.

Graduates of this program will be able to facilitate the application and integration of research into clinical practice using innovative approaches across multiple settings to improve health care, patient outcomes and health care systems.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two or three times per semester.

**Degree Requirements:**

84 credit hours including the required applied project course (DNP 712).

## Required Core (41 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)  
DNP 602 Evaluating Research for Practice (3)  
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)  
DNP 605 Advanced Health Assessment Across Lifespan (3)  
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)  
DNP 609 Advanced Practice Nursing Role (1)  
DNP 679 Biostatistics: Principals of Statistical Inference (3)  
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)  
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)  
DNP 705 Health Care Outcome Management (3)  
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)  
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)  
DNP 711 Healthcare Policy and Innovation (3)  
DNP 715 Dynamics and Principles of Information in Health Care (3)

## Concentration (13 credit hours)

DNP 713 Analysis of Organizational Cultures in Health Care (3)  
DNP 714 Professional Relationships in Healthcare (3)  
DNP 716 Leadership of Innovation in Health Care (4)  
NUR 640 Integrative Theories of Innovation Health Care (3)

## Electives and Research (18 credit hours)

## Culminating Experience (12 credit hours)

Applied Project: DNP 712 Clinical Residency and Management (12)

## Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and a master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

Applicants will be reviewed on a space-available basis after the priority deadline. Students should see the program website for application deadlines.

#### Contact Information:

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/dnp/advanced-nursing-practice-innovation-leadership-dnp>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNDNP)

**Online Degree Search Title:** Neonatal Nurse Practitioner, DNP

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

#### Program Description:

This program is designed for nurses seeking to become advanced practical nurses as neonatal nurse practitioners. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced pharmacology and advanced health assessment. Advanced neonatal nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

#### Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 605 Advanced Health Assessment Across Lifespan (3)

DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)

DNP 609 Advanced Practice Nursing Role (1)

DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)

DNP 704 Principles of Evidenced-Based Care in Advanced Practice (4)

DNP 705 Healthcare Outcomes Management (3)

DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

DNP 711 Healthcare Policy and Innovation (3)

DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration (34 credit hours)

DNP 653 Advanced Development and Family Health Promotion: Neonatal Theory I (3)

DNP 654 Neonatal Practicum I (3)

DNP 655 Management of Common Neonatal Problems (3)

DNP 656 Neonatal Practicum II (5)

DNP 657 Management of Complex Problems in Neonates (3)

DNP 658 Neonatal Practicum III: Management of Complex Problems in Neonates (5)

DNP 712 Clinical Residency and Management (12)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, please see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation completed by the applicant
- satisfactory completion of the analytical writing section of the GRE
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered license is required. If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse.

An interview with a representative of the specialty area is required.

Students should see the program website for application deadlines.

#### **Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu>

HLTHN 113

## Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

### Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing.

This Doctor of Nursing Practice program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for this specialty through the application of theory to advance practice. Courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

### Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

#### Required Core (41 credit hours)

- DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
- DNP 602 Evaluating Research for Practice (3)
- DNP 609 Advanced Practice Nursing Role (1)
- DNP 640 Advanced Human Pathophysiology Pediatrics (4)
- DNP 641 Advanced Health Assessment Pediatrics (3)
- DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)
- DNP 679 Biostatistics: Principals of Statistical Inference (3)
- DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
- DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
- DNP 705 Health Care Outcomes Management (3)
- DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
- DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
- DNP 711 Healthcare Policy and Innovation (3)
- DNP 715 Dynamics and Principles of Information in Health Care (3)

#### Concentration (34 credit hours)

- DNP 643 Developmentally Based Care of the Well Child (3)
- DNP 644 Well Child Advanced Practicum (3)
- DNP 645 Management of Common Problems in Pediatric Primary Care (3)
- DNP 646 Management of Common Problems in Pediatric Primary Care Practicum (5)
- DNP 647 Management of Complex and Chronic Health Problems in Pediatric Primary Care (3)
- DNP 648 Management of Complex and Chronic Health Problems in Pediatric Primary Care Practicum (5)
- DNP 712 Clinical Residency and Management (12)

#### Electives and Research (6 credit hours)

#### Culminating Experience (3 credit hours)

- DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

#### Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/dnp/pediatric-nurse-practitioner-dnp>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Aging and Lifespan Development, MS (LAALDMS)

**Online Degree Search Title:** Aging, MS

**Campus:** Downtown Phoenix

This program's name has changed effective Fall 2019. The previous name was Aging and Lifespan Development.

**Program Description:**

The MS program in aging is aligned with ASU's charter and design aspirations in assuming responsibility for the overall health of communities, fusing intellectual disciplines, transforming society by connecting to social needs and being socially embedded through partners in the aging network of health and social services, as well as through entrepreneurs developing senior-related business ventures. The program provides students with advanced, interdisciplinary knowledge that focuses on improving the well-being of older persons, in the context of their diverse families and communities. Curriculum addresses the multidimensional aging process, the needs of aging populations and their potential contributions; reflects national health initiatives; and encourages community collaborations that are reciprocal, beneficial and sustainable to improve health outcomes.

**Degree Requirements:**

36 Credit Hours including the required course (ALD 593) and an Applied Project.

Required Core (15 credit hours)

HCA 501 Perspectives on Aging and the Life Course (3)

HCA 502 Research and Program Evaluation Issues in Aging (3)

HCA 503 Diversity in Aging (3)

HCA 504 Caregiving Issues for Families and Professionals (3)

HCA 505 Interdisciplinary and Community Collaboration in Aging (3)

Track (6 credit hours)

Electives (9 credit hours)

Other Requirements (3 credit hours)

HCA 509 Interventions to Support Aging in Place (3), or

HCA 510 Innovations in Program Development and Policy (3)

Culminating Experience (3 credit hours)

HCA 593 Applied Project (3)

Additional Curriculum Information

Students choose a track for a total of 6 credit hours:

- Long-term Care Administration
- Aging Services and Case Management
- Palliative and End of Life Care
- Innovation and Entrepreneurship

The program also requires nine credit hours of electives to support the track and career interests. Students should see the academic unit for the current approved elective list. Other courses may be used with approval of the academic unit.

For other requirement coursework, students select either HCA 509 or HCA 510.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts

- three letters of recommendation
- professional resume
- letter of intent or written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

#### Contact Information:

Nursing and Health Innovation, Edson College of  
 Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
 HLTHN 113  
[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)  
 602-496-0937

## Biospecimen Repository Administration (certificate), Certificate (NUBRAGRCT)

**Online Degree Search Title:** Biospecimen Repository Administration (Graduate Certificate)

**Campus:** Online

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

#### Program Description:

The biospecimen repository administration certificate program prepares students to oversee the business and administrative operations of a biospecimen repository. The collection, storage and distribution of biological samples such as blood and tissue for research and personalized medicine is changing how researchers and doctors look at health, disease and treatments. Biobanks, or biospecimen repositories, found in hospitals, research institutions, laboratories, academic sites and pharmaceutical companies, need trained and capable leaders who can oversee the business, technical and operational aspects of the site including regulatory and informatics pieces. Leaders also need to apply best practices, existing regulations, and current methods and standards for the proper management of biospecimen repositories.

Focusing on collection, storage and disbursement of samples, the program includes ethical and practical considerations of biospecimen resource management and operations, resource evaluation and implementation, and project management. Related business concepts such as cost-benefit analytics, personnel and sustainability of the repository are also covered in the program. Emphasizing principles of ethical and quality practices, this program will prepare students to work in this highly regulated field.

#### Degree Requirements:

15 credit hours.

Required Core (15 credit hours)

HCR 545 Foundations of Biospecimen Repository Administration (3)

HCR 546 Management of Biospecimen Repository Operations (3)

HCR 547 Biospecimen Resource and Technology Management (3)

HCR 548 Regulation and Ethics in Biospecimen Repository Administration (3)

HCR 549 Scientific Innovation and Biospecimen Repository Administration (3)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any business, science, engineering, nursing, medicine, math, technology or health-related field or a bachelor's degree in any other field not mentioned above with more than six months vocational experience in the biospecimen repository administration field.



Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. ([https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-biospecimen-repository-administration?utm\\_source=asu&utm\\_medium=degree-search&utm\\_campaign=asu](https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-biospecimen-repository-administration?utm_source=asu&utm_medium=degree-search&utm_campaign=asu))

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/certificate/biospecimen-repository-administration-graduate-certificate>

MERCC 250

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Care Coordination (certificate), Certificate (NUCRCDGRCT)

**Online Degree Search Title:** Care Coordination (Graduate Certificate)

**Campus:** Downtown Phoenix, West

**Program Description:**

Completion of the certificate in care coordination provides individuals with a foundation to synthesize available evidence to lead interprofessional teams to design, deliver and evaluate care coordination practices that are patient-centered; improve health, safety and cost outcomes; and enhance quality and access to care across diverse populations. This program supports preparation for national certification as a case manager through the American Nurses Credentialing Center or through the Case Management Society of America.

**Degree Requirements:**

15 credit hours.

Required Core (15 credit hours)

NUR 510 Foundations of Care Coordination Practice (3)

NUR 511 Concepts of Care Coordination and the Nurse's Role (3)

NUR 512 Improving Quality and Safety Outcomes through Effective Care Coordination (3)

NUR 513 Interprofessional Collaborative Practice and Transforming Health Care Policy (3)

NUR 519 Role-Focused Practicum: Care Coordination (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing at a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirements and all requirements for the Commission on Graduates of Foreign Nursing Schools.

An interview with program faculty is required prior to admission to the program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

There are no required admission examinations for this program.

#### Contact Information:

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/degree-programs/graduate/care-coordination-graduate-certificate>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Clinical Research Management, MS (NUCRMMS)

**Online Degree Search Title:** Clinical Research Management, MS

**Campus:** Online

#### Program Description:

This MS program prepares students to lead complex global clinical research operations in multiple types of employer settings in the rapidly growing clinical research industry. The clinical research management graduate program at ASU is the first clinical research graduate program to receive accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). CAAHEP is the largest programmatic accreditor in the health sciences field and is recognized by the Council for Higher Education Accreditation in the United States and internationally.

The Master of Science in clinical research management offers a transdisciplinary approach to education in the fiscal practices of conducting clinical research, the ethical and regulatory aspects of clinical research and the overall operational management of clinical drug, biological and medical device trials.

The program is designed to be flexible, making it convenient for the adult learner.

#### Degree Requirements:

33 credit hours including the required capstone course (HCR 566).

Required Core (15 credit hours)

HCR 551 Clinical Research Monitoring (3)

HCR 561 Responsible Conduct of Clinical Research (3)

HCR 563 Fundamentals of Regulatory Affairs (3)

HCR 565 Clinical Research Operations (3)

HCR 574 Scientific and Research Review Boards (3)

Restricted Electives (15)

Culminating Experience (3 credit hours)

HCR 566 Capstone Clinical Research Management Project II (3)

#### Additional Curriculum Information

Students should see the academic unit for the list restricted electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree that includes courses with content in anatomy and physiology and medical terminology or if they have earned a bachelor's degree in any field and provide evidence of successful completion of additional courses in anatomy and physiology and medical terminology.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online references
- proof of English language proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The applicant must have six months of full-time, related clinical research work or internship experience as described in a resume or curriculum vitae.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-clinical-research-management/>)

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/degree-programs/graduate/clinical-research-management-ms>

MERCC 250

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Clinical Research Management (certificate), Certificate (NUHCRGRCC)

**Online Degree Search Title:** Clinical Research Management (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate program in clinical research management offers an alternative for those who are not ready for a master's degree or do not have time to devote to completing one. The program prepares graduates to lead complex clinical research operations in a wide variety of employer settings within the rapidly growing clinical research industry.

The clinical research management certificate program offers a multidisciplinary approach to education in the fiscal practices of clinical research, the ethical and regulatory aspects of clinical research, and the overall operational management of clinical drug, biological and medical device trials. The program is designed to be flexible and conducive to the adult learner.

The clinical research management graduate program at ASU is the first clinical research graduate program to receive accreditation by the Commission on Accreditation of Allied Health Education Programs. CAAHEP is the largest programmatic accreditor in the health sciences field and is recognized by the Council for Higher Education Accreditation in the United States and internationally.

**Degree Requirements:**

15 credit hours.

Required Core (12 credit hours)

HCR 561 Responsible Conduct of Clinical Research (3)

HCR 562 Clinical Research Data Management and Technology Implementation (3)

HCR 563 Fundamentals of Regulatory Affairs (3)

HCR 565 Clinical Research Operations (3)

Restricted Elective (3 credit hours)

Additional Curriculum Information

Students should see the academic unit for the list restricted electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution that includes courses with content in anatomy and physiology and medical terminology, or if applicants have earned a bachelor's degree and provide evidence of successful completion of additional courses in anatomy and physiology and medical terminology.

Applicants must have a minimum 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online references
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must have six months of full-time, related clinical research work or internship experience as described on the applicant's resume or curriculum vitae. Applicants may be required to submit a job description or internship transcript from their employer.

The online references should be from colleagues, supervisors or other professional contacts who can attest to the applicant's academic and leadership experiences.

Students should see the program website for application deadlines.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-clinical-research-management/>)

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/certificate/clinical-research-management-graduate-certificate>

MERCC 250

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)

**Online Degree Search Title:** Clinical Research Management (Regulatory Science), MS

**Campus:** Online

**Program Description:**

The purpose of the regulatory science concentration of the MS in clinical research management is to prepare students for careers in regulatory aspects of clinical research.

The regulatory science program uses a transdisciplinary approach and encompasses coursework in regulatory writing techniques, quality systems and medical device or pharmaceutical regulation. The concentration program is designed to develop the student's understanding of how to meet regulatory oversight requirements as they relate to the conduct of clinical studies.

The program offers an alternative course option for students pursuing the clinical research management Master of Science degree. The clinical research management graduate program at ASU is the first clinical research graduate program to receive accreditation by the Commission on

Accreditation of Allied Health Education Programs (CAAHEP). CAAHEP is the largest programmatic accreditor in the health sciences field and is recognized by the Council for Higher Education Accreditation in the United States and internationally.

**Degree Requirements:**

33 credit hours including the required capstone course (HCR 566).

Required Core (15 credit hours)

HCR 551 Clinical Research Monitoring (3)

HCR 561 Responsible Conduct of Clinical Research (3)

HCR 563 Fundamentals of Regulatory Affairs (3)

HCR 565 Clinical Research Operations (3)

HCR 574 Scientific and Research Review Boards (3)

Concentration Courses (15 credit hours)

HCR 552 Medical Device Development and Regulation (3)

HCR 553 Quality Assurance and Clinical Research (3)

HCR 555 Pharmaceutical Safety and Risk Management (3)

HCR 558 Technical Writing for the Regulatory Professional (3)

HCR 562 Clinical Research Data Management and Technology Implementation (3)

Culminating Experience (3 credit hours)

HCR 566 Capstone Clinical Research Management Project II (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree that includes courses with content in anatomy and physiology and medical terminology or if they have earned a bachelor's degree in any field and provide evidence of successful completion of additional courses in anatomy and physiology and medical terminology.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online references
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The applicant must have six months of full-time, related clinical research work or internship experience as described in a resume or curriculum vitae.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-clinical-research-management-regulatory-science/>)

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/degree-programs/graduate/clinical-research-management-regulatory-science-ms>

MERCC 250

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)

**Online Degree Search Title:** Family Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

### Program Description:

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses with a DNP or MS degree in nursing who seek to become family nurse practitioners. This certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

### Degree Requirements:

22 credit hours.

Required Core (22 credit hours)

DNP 633 Family Health Promotion (3)

DNP 634 Family Health Promotion Practicum (3)

DNP 635 Management of Common Family Problems in Primary Care II (3)

DNP 636 Management of Common Health Problems in Children, Adults and Families Practicum (5)

DNP 637 Management of Complex and Chronic Health Problems in Children, Adults and Families (3)

DNP 638 Management of Complex and Chronic Health Problems in Children, Adults and Families Practicum (5)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English language proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

All applicants will have an interview with program faculty prior to admission to the program.

It is preferred that applicants have at least one year of clinical experience working in the student's specialty population.

There are no required admission examinations.

Disclosure information for this U.S. Department of Education Gainful Employment program is at

<https://catalog.asu.edu/files/disclosures/NUFMPGRCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/NUFMPGRCE/Gedt.pdf>).

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/degree-programs/graduate/family-nurse-practitioner-graduate-certificate>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)

**Online Degree Search Title:** Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses with an MS in nursing who seek to become family psychiatric nurse practitioners or for nurse practitioners with a master's or DNP degree who seek additional certification as a family psychiatric nurse practitioner.

This certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

**Degree Requirements:**

28 credit hours.

This graduate certificate program (including 585 clinical hours) prepares nurses with a master's degree to become family psychiatric mental health nurse practitioners.

Required prerequisites (or equivalent courses taken while in master's degree program)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 605 Advanced Health Assessment Across Lifespan (3)

DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)

DNP 609 Advanced Practice Nursing Role (1)

Students will have an individual review of their transcripts and an individualized plan of study designed to meet certification requirements. Depending on how many prerequisite courses are completed in the master's degree program, up to one year of additional study may need to be added to complete this specialty.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay

- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

All applicants will have an interview with program faculty prior to admission to the program.

It is preferred that applicants have at least one year of clinical experience working within the student's specialty population.

There are no required admission examinations.

#### Contact Information:

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/certificate/family-psychiatric-and-mental-health-nurse-practitioner-graduate-certificate>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Health Care Innovation, Certificate (NUHCINGRCT)

**Online Degree Search Title:** Health Care Innovation (Graduate Certificate)

**Campus:** Online

#### Program Description:

The health care innovation graduate certificate program provides students with the cognitive and affective competencies to create and sustain transformative change in health care.

Students learn through reflection, personality assessment, exercises in interprofessional team-case study analyses, system intervention, idea pitching and change-readiness assessment. Related entrepreneurial and intrapreneurial concepts such as prototyping, project plan design, systems thinking, outcome evaluation and presentation skills are included in the program.

Emphasizing complexity leadership and vulnerability along with emotional competence, this certificate program prepares students to work in the interprofessional and highly sought-after area of health care innovation.

#### Degree Requirements:

15 credit hours including the required capstone course (HCI 570).

Required Core (11 credit hours)

HCI 538 Innovation and the Individual (3)

HCI 542 Systems Thinking in a Complex Environment (3)

HCI 554 Outcomes Evaluation (3)

HCI 561 Innovation Methods (2)

Culminating Experience (4 credit hours)

HCI 570 Innovation Proposal: Culminating Experience for Health Care Innovation Certificate (4)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health-related business, social science, hard science, health care practice or technology field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:



- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-health-care-innovation/>)

#### Contact Information:

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/certificate/health-care-innovation-graduate-certificate>

MERCC 250

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Healthcare Innovation, MHI (NUHCINNMHI)

**Online Degree Search Title:** Healthcare Innovation, MHI

**Campus:** Online

#### Program Description:

Students in the MHI program learn how to create and sustain cultures of innovation in health care from multiple perspectives: personal competence for innovation, use of evidence in decision-making, remodeling system infrastructures, financing, communication, entrepreneurship, technology and policy-making. Students develop competence in the design, application and testing of innovative processes and products. A primary focus of the Master of Healthcare Innovation is to prepare students to lead processes of innovation and transformation. Innovative thinking, planning, implementing and evaluation are emphasized throughout the program. The curriculum incorporates the latest trends in health care and is built upon collaboration with other professionals and faculty across diverse disciplines.

Graduates of the program possess the leadership skills and behaviors to influence the future of health care and transform and improve health care outcomes for individuals and communities.

#### Degree Requirements:

34 credit hours including the required capstone course (HCI 563).

Required Core (26 credit hours)

HCI 538 Innovation and the Individual (3)

HCI 540 Understanding and Applying Principles of Evidence-Based Practice (3)

HCI 542 Systems Thinking in a Complex Environment (3)

HCI 544 IT for Health Care Innovation (3)

HCI 548 Advanced Principles and Concepts of Innovation (3)

HCI 550 Health Care Policy and Innovation (3)

HCI 552 Financing for Innovation (3)

HCI 554 Outcomes Evaluation (3)

HCI 561 Innovation Methods (2)

Electives (3 credit hours)

Culminating Experience (5 credit hours)

HCI 563 Capstone: Final Innovation Project (5)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit

- graduate admission application and application fee
- official transcripts
- three professional recommendations
- personal statement and essays
- current resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The professional recommendations should be from individuals knowledgeable about the applicant's academic and leadership potential.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-healthcare-innovation/>)

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://asuonline.asu.edu/online-degree-programs/graduate/master-healthcare-innovation>

MERCC 250

healthcareinnovation@asu.edu

602-496-0937

## Innovation Leadership, Certificate (NUINLSGRCT)

**Online Degree Search Title:** Innovation Leadership (Graduate Certificate)

**Campus:** Online

ASU is not currently accepting applications for this program.

**Program Description:**

This graduate certificate program in innovation leadership provides students with the cognitive and affective competencies to lead and facilitate innovation in the contexts of health care products, processes and systems. The emerging field of innovation leadership in health care requires individuals who can lead and facilitate change. Students will learn through reflection, personality assessment, public speaking, leadership network identification, entrepreneurship, idea pitching and change-readiness assessment. This certificate program prepares students to work in this transdisciplinary and highly sought-after area of leadership.

**Degree Requirements:**

15 credit hours including the required capstone course (HCI 571).

Required Courses (12 credit hours)

HCI 538 Innovation and the Individual (3)

HCI 543 Approaches to Health Care Innovation (3)

HCI 545 Public Speaking for Innovation: Building Your Presence and Making the Case for Change (3)

NLM 562 Social Entrepreneurship (3)

Culminating Experience (3 credit hours)

HCI 571 Capstone Course Health Care Innovation Leadership Portfolio (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health-related business, social science, hard science, health care practice or technology field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/non-degree/graduate-certificates>  
HLTHN 113  
[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)  
602-496-0937

## International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)

**Online Degree Search Title:** International Health for Healthcare Professionals (Graduate Certificate)

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

**Program Description:**

The international health for health care professionals graduate certificate program prepares health care personnel to meet the global health challenges of the 21st century. Students receive comprehensive education in the promotion of holistic, culturally responsive, evidence-based care within and outside the U.S.

Course content includes the provision of care in the presence and absence of natural (e.g., earthquakes) and human-made disasters (e.g., war), the spread of chronic and infectious diseases, economic and political issues, and other factors that pose substantial challenges to world health promotion and disease prevention.

This graduate certificate is offered as a part-time or full-time hybrid online distance program that includes two day-long visits to the ASU Downtown Phoenix campus and a capstone immersion experience.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they are undergraduate-prepared nurse or health-related professional (e.g., social worker, physician, psychologist, dentist) with a baccalaureate or graduate degree from a nationally or internationally recognized and regionally accredited academic institution, or equivalent.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional license in the state where the individual capstone project will be conducted, if required (e.g., RN, NP, MSW, PA or MD)
- resume or curriculum vitae
- email addresses of three professional references (not friends or relatives) who will be contacted for completion of online recommendations
- fingerprint clearance or proof of application for U.S. citizens and applicants with permanent U.S. resident status
- photocopy of current, valid passport
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

References will be contacted by the Graduate College, with a request to complete a reference questionnaire.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Interprofessional Healthy Aging (certificate), Certificate (NUGNCERT)

**Online Degree Search Title:** Interprofessional Healthy Aging (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

This certificate program prepares health and social service professionals to address healthy aging with a focus on prevention and early intervention to optimize the health, behavioral health and quality of life of older adults and their family caregivers.

**Degree Requirements:**

18 credit hours.

Required Core (15 credit hours)

DNP 682 Geriatric Health Promotion (3)

NUR 629 Research for Geriatric Practice (3)

SWG 570 Aging: A Biopsychosocialspiritual Perspective (3)

SWG 572 Interprofessional Approaches to Healthy Aging (3)

SWG 573 Policies to Promote Healthy Aging (3)

Restricted Electives: (3 credit hours)

Additional Curriculum Information

Students should see the academic unit for the approved elective course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
[https://nursingandhealth.asu.edu](https://nursingandhealth.asu.edu/)  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Nurse Education in Academic and Practice Settings (certificate), Certificate

## (NUNURSEDCE)

**Online Degree Search Title:** Nurse Education in Academic and Practice Settings (Graduate Certificate)

**Campus:** Downtown Phoenix

### **Program Description:**

This certificate program in nurse education in academic and practice settings prepares registered nurses and other health professionals who have earned a master's degree to teach in academic or practice settings. This graduate certificate program is delivered using a hybrid format that optimizes in-person and iCourse delivery methods. Courses include curriculum development, teaching methods, design and delivery of mediated instruction, producing and evaluating educational programs and a teaching practicum.

### **Degree Requirements:**

15 credit hours.

A three credit hour teaching practicum (comprised of 135 clock hours) is required.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a minimum of a master's degree, in any field, from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- interview with program faculty
- three professional letters of recommendation
- resume
- goal statement
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students who are currently registered nurses are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

There are no required admission examinations for this program.

### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/certificate/nurse-education-academic-and-practice-settings-graduate-certificate>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0739

## Nursing, MS (NUNURDTMS)

**Online Degree Search Title:** Nursing, MS

**Campus:** Downtown Phoenix

### **Program Description:**

The MS program in nursing is a post-baccalaureate degree designed to meet both the requirements for a Master of Science degree within Arizona State University and the professional nursing requirements outlined in the American Association of Colleges of Nursing Essentials and the National

League for Nursing competencies. The program focus is to provide nurses with advanced education and skills in the translation of concepts, practices and principles of leadership and improvement science that will lead to safe, effective, coordinated, patient-centered health services, improved health outcomes and reduction of health care costs.

**Degree Requirements:**

Required Core (18 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 608 Advanced Pharmacotherapeutics Across Lifespan (3)

NUR 501 Individual and Innovation Leadership in Health Care (3)

NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion I (2)

Other Requirement (14 credit hours)

NUR 509 Clinical Prevention and Population Health Practicum (2)

NUR 520 Patient Safety and Health Care Quality Principles, Assessment and Methods (3)

NUR 521 Health Care Evidence, Informatics and Analysis (3)

NUR 523 Interprofessional Collaboration for Improving Patient Safety and Health Care Quality Outcomes (3)

NUR 529 Role-Focused Practicum: Patient Safety and Health Care Quality (3)

Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- written statement
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with faculty is required.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## **Nursing (Care Coordination), MS (NUCRCDMS)**

**Online Degree Search Title:** Nursing (Care Coordination), MS

**Campus:** Downtown Phoenix, West

**Program Description:**

Graduates are prepared to be case managers able to synthesize innovation principles and best available evidence to lead interprofessional teams to design, deliver and evaluate care coordination practices that are patient-centered; improve health, safety and cost outcomes; and enhance quality and access to care across diverse populations.

This program supports preparation for national certification as a case manager through the American Nurses Credentialing Center.

**Degree Requirements:**

35 credit hours including the required Applied Project Course (NUR 593).

Required Core (18 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Pathophysiology Across the Lifespan (4)

DNP 608 Advanced Pharmacotherapeutics Across the Lifespan (3)

NUR 501 Individual and Innovation Leadership in Advanced Nursing Practice (3)

NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion I (2)

Concentration (12 credit hours)

NUR 510 Foundations of Care Coordination Practice (3)

NUR 511 Concepts of Care Coordination and the Nurse's Role (3)

NUR 512 Improving Quality and Safety Outcomes through Effective Care Coordination (3)

NUR 513 Interprofessional Collaborative Practice and Transforming Health Care Policy (3)

Other Requirements (5 credit hours)

NUR 509 Clinical Prevention and Population Health Practicum (2)

NUR 519 Role-Focused Practicum: Care Coordination (3)

Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

There are no required admission examinations for this program.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

#### Contact Information:

Nursing and Health Innovation, Edson College of  
 Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
 HLTHN 113  
 nursingandhealth@asu.edu  
 602-496-0937

## Nursing (Entry to Nursing Practice), MS (NUNRENPRMS)

**Online Degree Search Title:** Nursing (Entry to Nursing Practice), MS

**Campus:** Downtown Phoenix

#### Program Description:

The MS program in nursing with a concentration in entry to nursing practice provides the opportunity to become an entry-level registered nurse at the graduate level. This degree is an entry pathway to the profession of nursing. Graduates of the program are prepared as nurse generalists, and are eligible for licensure as Registered Nurses upon completion of the NCLEX-RN examination and approval by a State Board of Nursing.

#### Degree Requirements:

Required Core (18 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Human Pathophysiology Across the Lifespan (4)

DNP 608 Advanced Pharmacotherapeutics Across Lifespan (3)

NUR 501 Individual and Innovation Leadership in Health Care (3)

NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion I (2)

Concentration (37 credit hours)

NUR 509 Clinical Prevention and Population Health Practicum (2)

NUR 514 Nursing Theory: Nursing Fundamentals (6)

NUR 515 Nursing Concepts for Psychiatric Mental Health (2)



NUR 516 Nursing Practice: Psychiatric Mental Health (2)

NUR 517 Nursing Practice: Pediatrics (2)

NUR 518 Nursing Practice: Adults (4)

NUR 519 Role-Focused Practicum: Care Coordination (3)

NUR 520 Patient Safety and Health Care Quality Principles, Assessment and Methods (3)

NUR 521 Health Care Evidence, Informatics and Analysis (3)

NUR 523 Interprofessional Collaboration for Improving Patient Safety and Health Care Quality Outcomes (3)

NUR 524 Nursing Practice: Childbearing Family (2)

NUR 533 Nursing Concepts: Childbearing Family (2)

NUR 542 Readiness to Practice (3)

Other Requirements (6 credit hours)

NUR 417 Nursing Concepts: Pediatric Clients (2)

NUR 418 Nursing Concepts: Complex Care (2)

NUR 478 Nursing Practice: Complex Care (2)

Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution. Applicants who hold a BSN degree are not eligible and should apply to one of the other graduate nursing programs in the Edson College of Nursing and Health Innovation.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent or written statement
- professional resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may be admitted to the program with deficiencies. If a student is assigned any deficiency coursework by the academic unit upon admission, those courses must be completed with a grade of "B" (scale is 4.00 = "A") or higher before completing the graduate program's required

coursework. Deficiency courses may include:

BIO 201 Human Anatomy and Physiology I and BIO 202 Human Anatomy and Physiology II

CDE 232 Human Development

CHM 101 Introductory Chemistry

HCR 240 Human Pathophysiology

MIC 205 Microbiology and MIC 206 Microbiology Laboratory

NTR 241 Human Nutrition

statistics (100-level or higher 3-credit hour course)

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Nursing (Nursing Education), MS (NUNURSEDMS)

**Online Degree Search Title:** Nursing (Nursing Education), MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS program in nursing education prepares nurses as educators to work in increasingly complex, technology-rich health environments with culturally diverse populations. The program is designed to foster scholarship, creativity and innovation as a foundation for leadership roles in teaching in academic and practice settings.

The program offers advanced-level courses in education that can be used to provide a transition to doctoral-level study, depending on career goals. At the completion of the program, graduates may be eligible to take the National League for Nursing's Certified Nurse Educator certification examination.

**Degree Requirements:**

Required Core (18 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Pathophysiology Across the Lifespan (4)

DNP 608 Advanced Pharmacotherapeutics Across the Lifespan (3)

NUR 501 Individual and Innovation Leadership in Advanced Nursing Practice (3)

NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion I (2)

Concentration (12 credit hours)

NUR 670 Curriculum Development in Academic and Practice Settings (3)

NUR 671 Teaching in Academic and Practice Settings (3)

NUR 672 Design and Delivery of Mediated Instruction (3)

NUR 673 Producing and Evaluating Programs for Academic and Practice Settings (3)

Other Requirements (5 credit hours)

NUR 509 Clinical Prevention and Population Health Practicum (2)

NUR 579 Role-Focused Practicum: Nurse Educator (3)

Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

Additional Curriculum Information

This degree program culminates in an applied project related to learner-centered education. The core of the program consists of 18 credit hours of courses and a practicum. The program focuses on the science and art of nursing education, and includes theory and practice courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

There are no required admission examinations for this program.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/ms/nursing-nursing-educator-ms>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

**Nursing (Nursing Informatics), MS (NUNINFMS)**

**Online Degree Search Title:** Nursing (Nursing Informatics), MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS program in nursing with a concentration in nursing informatics provides registered nurses with advanced preparation to integrate technological expertise and data management skills in health care settings to improve access to health care, enhance health care quality and safety, and reduce health care costs. This program supports preparation for national certification in Informatics (RN-BC) and Certified Professionals in Health Information and Management Systems.

**Degree Requirements:**

35 credit hours including the required Applied Project Course (NUR 593).

## Required Core (18 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Pathophysiology Across the Lifespan (4)

DNP 608 Advanced Pharmacotherapeutics Across the Lifespan (3)

NUR 501 Individual and Innovation Leadership in Advanced Nursing Practice (3)

NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion I (2)

## Concentration (15 credit hours)

BMI 601 Fundamentals of Health Informatics (3)

BMI 603 Health Informatics Database Modeling and Applications (3)

NUR 530 Foundational Concepts for Nursing Informatics (3)

NUR 531 Advanced Concepts in Nursing Informatics (3)

NUR 539 Role-Focused Practicum: Nursing Informatics (3)

## Other Requirements (2 credit hours)

NUR 509 Clinical Prevention and Population Health Practicum (2)

## Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

There are no required admission examinations for this program.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation  
https://nursingandhealth.asu.edu  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Nursing (Patient Safety and Health Care Quality), MS (NUPSHCMS)

**Online Degree Search Title:** Nursing (Patient Safety and Health Care Quality), MS

**Campus:** Downtown Phoenix, West

### Program Description:

The MS program in nursing with a concentration in patient safety and health care quality provides registered nurses with advanced preparation to translate and apply concepts, practices and principles of safety and improvement science to enhance the safety and quality of patient care.

Graduates are able to synthesize innovation principles and best available evidence to develop interventions for implementation in health care settings. Learners are prepared to lead interprofessional teams to design, deliver and evaluate safety and quality improvement efforts that are patient-centered and that minimize risk and improve outcomes across diverse practice settings.

This program supports preparation for national certification as a Certified Professional in Health Care Quality, as a Certified Patient Safety Officer, and as a Certified Professional in Patient Safety.

### Degree Requirements:

35 credit hours including the required Applied Project Course (NUR 593).

#### Required Core (18 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Pathophysiology Across the Lifespan (4)

DNP 608 Advanced Pharmacotherapeutics Across the Lifespan (3)

NUR 501 Individual and Innovation Leadership in Advanced Nursing Practice (3)

NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion I (2)

#### Concentration (12 credit hours)

NUR 520 Patient Safety and Health Care Quality Principles, Assessment and Methods (3)

NUR 521 Health Care Evidence, Informatics and Analysis (3)

NUR 522 Designing Systems for Patient Safety and Health Care Quality (3)

NUR 523 Interprofessional Collaboration for Improving Patient Safety and Health Care Quality Outcomes (3)

#### Other Requirements (5 credit hours)

NUR 509 Clinical Prevention and Population Health Practicum (2)

NUR 529 Role-Focused Practicum: Patient Safety and Health Care Quality (3)

#### Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants must have a passing disposition on a background clearance and satisfactory completion of a substance screen.

An interview with program faculty is required.

There are no required admission examinations for this program.

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/ms/nursing-patient-safety-and-health-care-quality-ms>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## Nursing and Healthcare Innovation, PHD (NUNHIPHD)

**Online Degree Search Title:** Nursing and Healthcare Innovation, PhD

**Campus:** Downtown Phoenix

**Program Description:**

The PhD program in nursing and health care innovation helps address a national need for faculty and researchers, positions which are increasingly in short supply.

The program is offered in a traditional on-site delivery format and innovative, synchronous online delivery and is designed to maintain a commitment to a highly mentored, interactive learning experience. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards and live chats.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (30 credit hours)

NUR 601 Scientific Role Development I: Engaging and Committing (1)

NUR 602 State of the Science in Nursing and Healthcare Innovation (3)

NUR 603 Social and Contextual Issues in Nursing and Healthcare (3)

NUR 604 Philosophy of Science Perspectives in Nursing and Healthcare Innovation (3)

NUR 605 Theory Analysis (3)

NUR 606 Scientific Role Development II: Validating and Demonstrating (1)

NUR 607 Scientific Role Development III: Bridging (1)

NUR 608 Qualitative Research Design and Methods (3)

NUR 609 Quantitative Research Design and Methods (3)

NUR 617 Foundational Concepts in Science and Statistics (3)

NUR 618 Advancing Research-Based Health Policy Through Leadership and Innovation Science (3)

NUR 671 Teaching in Academic and Practice Settings (3)

Electives or Research (9 credit hours)

Other Requirements (3 credit hours)

NUR 680 Research Practicum in Nursing and Health Innovation (3)

Culminating Experience (12 credit hours)

NUR 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research. From those elective and research hours, 12 credit hours are required in a substantive area of specialization and may be taken in any semester, based on availability and student interest. Twenty-four credit hours of coursework with a research focus are required,

including 12 hours of dissertation credit.

Students are required to enroll in a minimum of nine credit hours per semester for years one and two of their plan of study. The plan of study can be as broad or as narrow as the student and the supervisory program committee deem necessary for the student's career goals. Students may choose from the following five substantive areas of study: aging, education, health care innovation leadership, healthy families or world health.

The program may incorporate courses from other disciplines to further refine substantive areas of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- goal statement essay
- writing sample
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must show completion of a current inferential statistics prerequisite course.

GRE scores are recommended, but not required

Students are admitted once a year, to start in the fall semester.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/phd/nursing-and-healthcare-innovation-phd>  
MERC C-105  
phdnursing@asu.edu  
602-496-0930

## **Nursing Informatics (Certificate), Certificate (NUNINFGRCT)**

**Online Degree Search Title:** Nursing Informatics (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

Graduates of the nursing informatics certificate program are prepared to manage nursing and health informatics systems and create systems for planning, implementing and evaluating nursing and health information systems.

The curriculum is designed around learning experiences that are directed to improve access to health care, enhance health care quality and safety, and reduce health care costs.

This program supports preparation for national certification in informatics and certified professionals in health information and management systems and preparation for national certification in informatics and certified professionals in health information and management systems.

**Degree Requirements:**

15 credit hours, or 15 credit hours.

Required Core (15 credit hours)

BMI 601 Fundamentals of Health Informatics (3)

BMI 603 Health Informatics Database Modeling and Applications (3)  
NUR 530 Foundational Concepts for Nursing Informatics (3)  
NUR 531 Advanced Concepts in Nursing Informatics (3)  
NUR 539 Role-Focused Practicum: Nursing Informatics (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation

Applicants are eligible to apply to the program if they have earned a bachelor's degree in nursing at a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- interview with program faculty
- three professional letters of recommendation
- resume
- goal statement
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Patient Safety and Health Care Quality (certificate), Certificate (NUPSHCGRCT)

**Online Degree Search Title:** Patient Safety and Health Care Quality (Graduate Certificate)

**Campus:** Downtown Phoenix, West

**Program Description:**

The certificate program in patient safety and health care quality is open to all bachelor's degree-prepared health professionals.

Graduates are specialists who are able to synthesize innovation principles and best available evidence to develop interventions for implementation. They are also able to lead inter-professional teams to design, deliver and evaluate safety and quality improvement efforts that are patient centered, minimize risk and improve outcomes across diverse practice settings.

This program supports preparation for national certification as a certified professional in health care quality, as a certified patient safety officer and as a certified professional in patient safety.

**Degree Requirements:**

15 credit hours.

Required Courses (15 credit hours)

NUR 520 Patient Safety and Health Care Quality Principles, Assessment and Methods (3)  
NUR 521 Health Care Evidence, Informatics and Analysis (3)  
NUR 522 Designing Systems for Patient Safety and Health Care Quality (3)



NUR 523 Interprofessional Collaboration for Improving Patient Safety and Health Care Quality Outcomes (3)  
NUR 529 Role-Focused Practicum: Patient Safety and Health Care Quality (3)

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a health-related area or a bachelor's degree with an associate degree in a health-related area from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- current and unencumbered professional license (if required)
- interview with program faculty
- three professional letters of recommendation
- resume
- goal statement
- health and safety requirements (passing disposition on a background clearance and satisfactory completion of a substance screen)
- proof of English language proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

There are no required admission examinations.

#### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/certificate/patient-safety-and-health-care-quality-graduate-certificate>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## **Pediatric Nurse Practitioner (Certificate), Certificate (NUPDNPGRCT)**

**Online Degree Search Title:** Pediatric Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

#### **Program Description:**

This certificate program is designed for nurses seeking to become pediatric nurse practitioners.

Providing a foundation for this certificate are graduate courses in application of theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, advanced health assessment and advanced pharmacology. Advanced pediatric nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families.

#### **Degree Requirements:**

32 credit hours.

Required Core (32 credit hours)

- DNP 640 Advanced Human Pathophysiology Pediatrics (4)
- DNP 641 Advanced Health Assessment Pediatrics (3)
- DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)
- DNP 643 Developmentally Based Care of the Well Child (3)
- DNP 644 Well Child Advanced Practicum (3)
- DNP 645 Management of Common Problems in Pediatric Primary Care (3)
- DNP 646 Management of Common Problems in Pediatric Primary Care Practicum (5)
- DNP 647 Management of Complex and Chronic Health Problems in Pediatric Primary Care (3)
- DNP 648 Management of Complex and Chronic Problems Pediatric Primary Care Practicum (5)

#### Additional Curriculum Information

Nurses who complete this certificate program meet the eligibility requirements to take a national pediatric nurse practitioner certification examination. In addition to completing didactic courses, students complete 13 credit hours (585 clock hours) of pediatric practicum experiences in a community setting.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to read *The Essentials of Doctoral Education for Advanced Nursing Practice* (2006) and then submit an admission essay. It should contain the following:

- description of career goals for the next 5 to 10 years and discussion about how an NP certificate from ASU will help meet these goals
- description of how meeting one of the first seven essentials (from the prescribed reading, above) will further the career goals

All Edson College of Nursing and Health Innovation students are required to complete health and safety requirements, and they must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

For U.S. Department of Education Gainful Employment Program Disclosure information, students should refer to the College of Nursing and Health Innovation website.

#### Contact Information:

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0907

## Regulatory Science, MS (NURSHSMS)

**Online Degree Search Title:** Regulatory Science, MS

**Campus:** Downtown Phoenix, Online

#### Program Description:

The MS program in regulatory science is designed to prepare students for careers in the field of regulatory affairs. It focuses on safety as a

fundamental aspect of regulatory science, on the application of regulations throughout the life cycle of medical products, and on compliance with regulations in the development, approval and marketing of medical products. The program incorporates a transdisciplinary approach to meet the unique needs of regulating bodies and the regulated industry. It encompasses coursework in clinical research, ethics, quality systems, legal aspects and global regulatory affairs in the regulatory field.

**Degree Requirements:**

33 credit hours including the required capstone course (HCR 566).

**Required Core (24 credit hours)**

HCR 552 Medical Device Development and Regulation (3)

HCR 553 Quality Assurance and Clinical Research (3)

HCR 561 Responsible Conduct of Clinical Research (3)

HCR 563 Fundamentals of Regulatory Affairs (3)

HCR 576 Drug Discovery, Development and Regulations (3)

HCR 577 Global Regulatory Affairs (3)

HCR 578 Legal Aspects of Clinical Research (3)

HCR 579 Translational Research in Drug Discovery and Development (3)

**Restricted Electives (6 credit hours)**

HCR 545 Foundations of Biospecimen Repository Administration (3)

HCR 555 Pharmaceutical Safety and Risk Management (3)

HCR 557 Clinical Research Design and Methods (3)

HCR 558 Technical Writing for the Regulatory Professional (3)

HCR 568 Health Care Project Management (3)

HCR 575 Contracting and Budgeting for Industry-Sponsored Clinical Trials (3)

**Culminating Experience (3 credit hours)**

HCR 566 Clinical Research Management Capstone (3)

**Additional Curriculum Information**

For electives coursework, students choose two courses for six credit hours from the restricted electives list. Other coursework may be substituted with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online recommendations
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/regulatory-science-ms/>)

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu>  
MERCC 250  
ClinicalResearchMgmt@asu.edu  
602-496-0937

## Women's Health Nurse Practitioner (Certificate), Certificate (NUWHNPGRCT)

**Online Degree Search Title:** Women's Health Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

### Program Description:

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses with a master's degree in nursing who seek to become women's health nurse practitioners or for nurse practitioners with a master's degree or DNP who seek additional certification as women's health nurse practitioners.

This women's health nurse practitioner certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for orientation and then two or three times per semester. Women's health care theory and clinical courses include theories, principles and clinical skills in the care of women and their families. Courses focus on critical thinking, diagnosis, problem-solving and nursing management of women throughout the maternity cycle and with common gynecological problems. Client education, communication and collaboration are emphasized.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt is made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

### Degree Requirements:

23 credit hours.

Required Core (23 credit hours)

DNP 613 Women's Health Promotion I (3)

DNP 614 Women's Health Practicum I (3)

DNP 615 Management of Common Problems in Women's Health (3)

DNP 616 Advanced Women's Health Practicum II (5)

DNP 617 Management of Complex and Chronic Disease in Women (3)

DNP 618 Advanced Women's Health Practicum III (6)

Additional Curriculum Information

Nurses who complete this certificate meet the eligibility requirements to take the national women's health nurse practitioner certification examination. In addition to completing didactic courses, students complete 14 credit hours (630 clock hours) of practicum experiences in a community setting.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to submit an admission essay addressing:

- the applicant's career goals for the next five to 10 years and how obtaining an NP certificate from Arizona State University will help them meet these goals
- how meeting one of the first seven essentials from The Essentials of Doctoral Education for Advanced Nursing Practice (2006) will further their career goals

All Edson College of Nursing and Health Innovation students are required to complete health and safety requirements, and must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

For U.S. Department of Education Gainful Employment Program Disclosure information, students should refer to the College of Nursing and Health Innovation website.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
HLTHN 113  
[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)  
602-496-0937

## Public Service and Community Solutions, Watts College of

### Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)

**Online Degree Search Title:** Assessment of Integrative Health Modalities (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

The graduate certificate program in assessment of integrative health modalities was designed to provide students with extensive knowledge of integrative health practices. The certificate aims to provide students with an experiential and didactic experience where cutting edge research is explored, advanced skills are developed and a mindfulness practice is nurtured.

Students have an opportunity to complete one of the following options to satisfy the culminating project for the certificate: students can opt to explore deeper a topic of interest by completing an individual research paper or choose a community activity that demonstrates mastery and application of advanced skills gained while enrolled in the certificate.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

SWG 655 Quality of Life, Mastering Mindfulness (3)

SWG 656 Treating the Whole Person (3)

SWG 657 Holistic Therapies for Modern Times (3)

Transdisciplinary Electives (6)

Additional Curriculum Information

After the completion of the three approved courses and prior to completing the last course of the program, students are required to complete a research project highlighting their certificate experience.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in health or human services or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

In addition, applicants are required to submit to the School of Social Work:

- a resume
- a one- to two-page statement
- the School of Social Work application to the assessment of integrative health modalities certificate program

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

This certificate is open to professionals in social work, nursing or related health and human service professions from the community as well as to students currently admitted to a health and human services degree program at the master's or doctoral level.

No more than two certificate courses may be completed before applying for admission to the certificate program.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
[social.work@asu.edu](mailto:social.work@asu.edu)  
602-496-0800

## Community Resources and Development, MS (PPRECDTMS)

**Online Degree Search Title:** Community Resources and Development, MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS in community resources and development is offered by the School of Community Resources and Development. The master's degree program prepares students to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

Students choose between two academic options: the thesis or the professional option.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Nonprofit Leadership and Management, BS
- Parks and Recreation Management, BS
- Parks and Recreation Management (Therapeutic Recreation), BS
- Tourism Development and Management, BS
- Tourism Development and Management (Resort and Hotel Leadership), BS
- Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 36 credit hours and a master's research paper.

Required Core (15 credit hours)  
CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)  
CRD 530 Community Services Management (3) or advanced inquiry course (3)  
CRD 552 Critical Issues (3)  
CRD 555 Theoretical Perspectives in Community Development (3)

Electives (9 or 15 credit hours)

Culminating Experience (6 credit hours)  
CRD 593 Applied Project (6) or  
CRD 599 Thesis (6)

#### Additional Curriculum Information

Completion of the master's degree in community resources and development requires two years of study, on the average.

Students may select a thesis or applied project. The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. The applied project option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Students in the applied project option take CRD 530 as part of their core coursework and 15 credit hours of electives.

Students in the thesis option take an advanced inquiry course as part of their core coursework and nine credit hours of electives. The thesis must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

Applicants should see the program website for application deadlines.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/community-resources-and-development-ms>  
UCENT 550  
scrd@asu.edu  
602-496-0550

## Community Resources and Development, PHD (PPCRDPHD)

Online Degree Search Title: Community Resources and Development, PhD  
Academic Catalog Archive 2019-2020

**Campus:** Downtown Phoenix

**Program Description:**

The School of Community Resources and Development offers a graduate program leading to the PhD in community resources and development.

This is a research-intensive doctoral degree program grounded in theory and designed to prepare graduates for research-oriented careers in higher education, governmental agencies, nonprofit organizations and private-sector businesses. The program is based on the concept of building sustainable and healthy communities as the unifying principle in the established focus areas of:

- community studies
- nonprofit leadership and management
- parks, recreation and leisure
- tourism development and management

The theoretical and methodological approaches embedded in this program serve to integrate scholarship in these areas, in order for students to gain a more meaningful understanding of and impact on community life and dynamics.

The program is transdisciplinary in nature. The core faculty engaged in this program are housed in the School of Community Resources and Development. In addition, the program builds on current collaborations with faculty with related research interests from many ASU departments, schools and centers.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

CRD 610 Sustainable Communities (3)

CRD 620 Community Research Methods (3)

CRD 640 Research Seminar in Community Resources and Development I (3)

CRD 650 Research Seminar II (3)

CRD 683 Fieldwork (3)

REC 502 Statistical and Data Analysis (3)

REC 555 Theoretical Perspectives in Community Development (3)

advanced statistics or methods (3)

Electives or Research (18 credit hours)

Culminating Experience (12 credit hours)

CRD 799 Dissertation (12)

Additional Curricular Information

Up to 30 hours from a previously awarded master's degree can count toward the doctoral requirements.

All students are advised as a cohort initially by the doctoral program director. Students are required to take 24 credit hours of core coursework, 15 hours of which are with the cohort during the first year and six hours of which are with the cohort during the second year. Students are assigned an individual advisor or mentor at the end of the first year of study. A supervisory committee is also formed at the end of the first year which reflects the interests of the student and faculty.

Each student develops a plan of study in consultation with the doctoral program coordinator, advisor and supervisory committee. Students complete elective coursework, including courses from contributing disciplines, selected in consultation with their advisor to foster the transdisciplinary nature of the degree program. Students also complete at least six credit hours of CRD 792 Research and 12 credit hours of CRD 799 Dissertation. When the majority of coursework has been completed and before dissertation research is started, students must complete a written examination followed by an oral examination. These examinations must be completed within five years of admission.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:



- graduate admission application and application fee
- official transcripts
- current and professional resume
- statement of academic and professional goals
- GRE test scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

The statement of academic and professional goals should be in sufficient detail to indicate compatibility with the educational objectives and capabilities of the doctoral program

The recommendation letters may be a mix of academic and professional references, but each must address the applicant's capacity to successfully complete the doctoral program.

Students applying to the program are expected to have from an accredited institution a master's degree which included a master's degree-level research methods and statistics class or classes. If deficiencies exist in community resource and development-related coursework at the master's degree level, appropriate classes are suggested.

Students should see the program website for application deadlines and admission terms.

Applications are reviewed by the admission committee and recommendations for admission are then made by the graduate program director to the dean for the Graduate College.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrd@asu.edu](mailto:scrd@asu.edu)  
602-496-0550

## Community Resources and Development (Nonprofits and NGOs), MS (PPCRDNPMS)

**Online Degree Search Title:** Community Resources and Development (Nonprofits and NGOs), MS

**Campus:** Downtown Phoenix

#### Program Description:

The MS in community resources and development with a concentration in nonprofits and NGOs is a research-oriented degree program designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses. Students learn analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Nonprofit Leadership and Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis, or 36 credit hours including the required capstone course (CRD 580).

Required Core (15 credit hours)

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Community Services Management (3) or advanced inquiry course (3)

CRD 552 Critical Issues (3)

CRD 555 Theoretical Perspectives in Community Development (3)

Required Concentration (6 credit hours)

NLM 510 The Nonprofit Sector (3)

NLM 562 Social Entrepreneurship (3)

Elective or Research (3 or 9 credit hours)

Culminating Experience (6 credit hours)

CRD 593 Applied Project (6) or

CRD 599 Thesis (6)

Additional Curriculum Information

Completion of the master's degree in community resources and development requires two years of study, on the average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option will take an advanced inquiry course, and they will take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom will reside in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and will take nine credit hours of electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree-level classes.

Students should see the program website for application deadlines.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu/content/community-resources-and-development-ms>

UCENT 550

scrd@asu.edu

602-496-0550

## **Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)**

**Online Degree Search Title:** Community Resources and Development (Parks and Recreation Management), MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS in community resources and development with a concentration in parks and recreation management is a research-oriented master's degree program designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses. Students learn to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Parks and Recreation Management, BS

Parks and Recreation Management (Therapeutic Recreation), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).

Required Core (15 credit hours)

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Community Services Management (3) or advanced inquiry course (3)

CRD 552 Critical Issues (3)

CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)

CRD 569 Advanced Tourism and Recreation Studies (3)

TDM 570 Sustainable Tourism (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)

CRD 593 Applied Project (6) or

CRD 599 Thesis (6)

Additional Curriculum Information

Completion of the master's degree program in community resources and development requires two years of study, on the average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

The applied project option is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- GRE scores
- three letters of recommendation

- current resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree-level classes.

Applicants should see the program website for application deadlines.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/community-resources-and-development-ms>  
UCENT 550  
scrd@asu.edu  
602-496-0550

## Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)

**Online Degree Search Title:** Community Resources and Development (Sustainable Communities), MS

**Campus:** Downtown Phoenix

#### Program Description:

The MS in community resources and development with a concentration in sustainable communities is offered by the School of Community Resources and Development at ASU's Downtown Phoenix campus. This master's degree program is research-oriented. It is designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management; nonprofits and nongovernmental organizations; and sustainable communities.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Parks and Recreation Management, BS
- Parks and Recreation Management (Therapeutic Recreation), BS
- Tourism Development and Management, BS
- Tourism Development and Management (Resort and Hotel Leadership), BS
- Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis, or 36 credit hours including the required applied project (CRD 593).

Required Core (15 credit hours)

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Community Services Management (3) or advanced inquiry course (3)

CRD 552 Critical Issues (3)

CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)

CRD 610 Sustainable Communities (3)

NLM 562 Social Entrepreneurship (3) or

NLM 572 Community and Social Innovations (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)

CRD 593 Applied Project (6) or

#### Additional Curriculum Information

Completion of the master's degree program in community resources and development requires two years of study on average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option will take an advanced inquiry course, and they will take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom will reside in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and will take nine credit hours of electives.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

Applicants should see the program website for application deadlines.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrd@asu.edu](mailto:scrd@asu.edu)  
602-496-0550

## Community Resources and Development (Tourism), MS (PPCRDTMMS)

**Online Degree Search Title:** Community Resources and Development (Tourism), MS

**Campus:** Downtown Phoenix

#### Program Description:

The MS in community resources and development with a concentration in tourism is a research-oriented master's degree program designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses. Students learn to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Tourism Development and Management, BS
- Tourism Development and Management (Resort and Hotel Leadership), BS
- Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 36 credit hours including the required capstone course (CRD 580).

Required Core (15 credit hours)

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Community Services Management (3) or advanced inquiry course (3)

CRD 552 Critical Issues (3)

CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)

CRD 569 Advanced Tourism and Recreation Studies (3)

TDM 570 Sustainable Tourism (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)

CRD 593 Applied Project (6) or

CRD 599 Thesis (6)

Additional Curriculum Information

Completion of the master's degree program in community resources and development requires two years of study on average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines

are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

Applicants should see the program website for application deadlines.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrd@asu.edu](mailto:scrd@asu.edu)  
602-496-0550

## Corrections Management (Certificate), Certificate (PPCMGGRCT)

**Online Degree Search Title:** Corrections Management (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate in corrections management provides coursework in criminal justice organizations, corrections and community supervision, institutional management and in cross-disciplines such as public administration. The certificate program is designed to give students a solid foundational understanding of correctional administration, leadership and policy analysis.

**Degree Requirements:**

15 credit hours.

Required Core (12 credit hours)

CRJ 514 Seminar in Corrections (3)

CRJ 516 Seminar in Criminal Justice Organization and Management (3)

CRJ 528 Prison and Jail Administration OR CRJ 529 Community Corrections (3)

PAF 520 Public Management (3)

Electives (3 credit hours)

Additional Curricular Information

For electives, students should see the academic unit for the approved course list. There is no required culminating experience for this program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application
- official transcripts
- written statement of career and educational goals
- proof of English proficiency

Students not admitted to a graduate degree-granting program at ASU (nondegree-seeking students) must also submit two letters of recommendation and a current resume.

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students from related fields, such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program; however, all eligible students will be considered. Although most students would most likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school will accept applicants with undergraduate degrees from all educational backgrounds.

There are no required admission examinations for this program.

Students should see the program website for application deadlines and admission terms.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-corrections-management/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu>  
UCENT 600  
[gradscj@asu.edu](mailto:gradscj@asu.edu)  
602-496-2356

## Criminal Justice, MA (PPCRIMJMA)

**Online Degree Search Title:** Criminal Justice, MA

**Campus:** Online

**Program Description:**

The MA program in criminal justice is designed to provide criminal justice agency professionals with coursework in criminology and the operation of the criminal justice system and with training in research methods and statistics. The degree program also provides students with advanced training in program planning and management, policy analysis and program evaluation.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Criminology and Criminal Justice, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including the required capstone course (CRJ 505).

Required Core (12 credit hours)

CRJ 501 Seminar in Criminal Justice (3)

CRJ 502 Seminar in Criminology (3)

CRJ 510 Criminal Justice Planning and Program Evaluation (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

Capstone Course: CRJ 505 Theory and Practice in Criminal Justice (3)

Additional Curriculum Information

Students can develop specializations in areas such as policing, corrections and management by combining required and elective coursework.

Students should see the academic unit for an approved elective course list. Electives must be at the 500 level.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:



- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy

Students should see the academic unit website for application deadlines.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-criminal-justice/>)

#### Contact Information:

Public Service and Community Solutions, Watts College of

School of Criminology and Criminal Justice

<https://ccj.asu.edu/degree-programs>

UCENT 600

[gradscj@asu.edu](mailto:gradscj@asu.edu)

602-496-2356

## Criminal Sentencing and Sentencing Advocacy (Certificate), Certificate (PPCSAGRCT)

**Online Degree Search Title:** Criminal Sentencing and Sentencing Advocacy (Graduate Certificate)

**Campus:** Online

#### Program Description:

Social workers, criminal justice professionals and recent graduates of psychology and other social and behavioral sciences perform a number of roles in the disposition and sentencing of public offenders. They also provide support for victims of crime during the criminal justice process.

The certificate program in criminal sentencing and sentencing advocacy assumes that in order for any professional to function effectively they must have a fundamental knowledge of the respective roles sentencing professionals play during various phases of the criminal justice process.

In keeping with this viewpoint, all students are required to take courses for practice as both a presentence investigator and a sentencing advocate. Those courses are seminars in courts and sentencing, in presentence investigations, and in alternatives to penal sanctions. After taking these required courses, they select an area of specialization that will further their expertise as either a probation professional, mitigation specialist or victim advocate. They take these courses from a range of electives available in the schools of Criminology and Criminal Justice and Social Work.

This interprofessional certificate program also provides participants with content on the relationship between mental disorder and crime and the way in which differential sentencing frameworks affect the sentencing of offenders suffering from mental disorders. This course is highly recommended for social workers desiring to practice as mitigation specialists and in criminal justice professions responsible for making recommendations about the appropriateness of sentencing alternatives.

#### Degree Requirements:

15 credit hours.

Required Core (9 credit hours)

CRJ 513 Seminar in Courts and Sentencing (3)

SWG 528 Presentence Investigations (3)

SWG 529 Alternatives Penal Sanctions (3)

Electives (6 credit hours)

#### Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in social work, criminology, criminal justice or a related field, or if they are individuals who are currently enrolled in the master of criminal justice program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations for this program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-criminal-sentencing-and-sentencing-advocacy/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
social.work@asu.edu  
602-496-0800

## Criminology and Criminal Justice, MS (PPCRJMS)

**Online Degree Search Title:** Criminology and Criminal Justice, MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS in criminology and criminal justice is a research degree program designed to provide students with a high level of theoretical and empirical knowledge about crime and criminal justice. The program provides students with the advanced research skills needed for careers as criminal justice researchers, leadership roles in criminal justice and related agencies and organizations, and for continued study in doctoral programs in criminology and criminal justice

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

- Public Administration - Downtown Phoenix, MPA
- Public Policy, MPP

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Criminology and Criminal Justice, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required capstone course (CRJ 505).

Required Core (12 credit hours)

CRJ 501 Seminar in Criminal Justice (3)

CRJ 502 Seminar in Criminology (3)

CRJ 503 Research Methods for Criminal Justice (3)

CRJ 504 Statistical Tools for Criminology and Criminal Justice (3)

Electives (9-15 credits hours)

Other Requirement (3 credit hours)

CRJ 604 Advanced Statistical Analysis (3)

Culminating Experience: (3-6 credit hours)

CRJ 505 Theory and Practice in Criminal Justice (3) or

CRJ 599 Thesis (6)

Additional Curriculum Information

Students choose either the thesis option or the capstone course. CRJ 604 Advanced Statistical Analysis is only required for the thesis option. To satisfy the thesis requirements for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's thesis committee.

Each student's program is designed in consultation with the faculty advisor.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- personal statement
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should address the applicant's prior education and professional experience, discuss the applicant's career goals and explain how the degree will help the applicant achieve these goals.

The GRE scores must be from within the last five years.

Applicants should see the program website for application deadlines.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of

School of Criminology and Criminal Justice

<https://ccj.asu.edu/>

UCENT 600

[gradscj@asu.edu](mailto:gradscj@asu.edu)

602-496-2356

## **Criminology and Criminal Justice, PHD (PPCRJPHD)**

**Online Degree Search Title:** Criminology and Criminal Justice, PhD

**Campus:** Downtown Phoenix

**Program Description:**

The School of Criminology and Criminal Justice at Arizona State University offers an on-campus program of coursework and research leading to the PhD in criminology and criminal justice.

This program emphasizes criminal justice theory, research and policy and is designed to produce highly skilled criminology and criminal justice faculty and agency researchers and administrators.

The doctoral program is organized around five components: a comprehensive examination, a core of required courses in research methods and analytical techniques, a core of required courses in theory and research on crime and the criminal justice system, a dissertation, and elective courses in criminology, criminal justice and related fields.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral program in criminology and criminal justice includes a minimum of 72 credit hours of coursework and 12 credit hours (and only 12) of dissertation. A maximum of 30 credit hours of coursework from a previously awarded master's degree or JD may, with the approval of the supervisory committee, be applied toward the doctoral plan of study.

Each student is required to complete coursework in two core areas. This includes six credit hours of coursework in theory and research on crime and the criminal justice system and nine credit hours of coursework on research methods and analytical techniques. Elective courses comprise the remainder of the coursework required for the doctorate. All students must demonstrate proficiency in research design as well as quantitative and qualitative methods.

**Required Core (15 credit hours)**

CRJ 601 Seminar on Criminological Theory (3)

CRJ 602 Seminar on Criminal Justice Policies and Practices (3)

CRJ 603 Advanced Research Design (3)

CRJ 604 Advanced Statistical Analysis (3)

CRJ 605 Topics in Quantitative Methods (3)

**Electives (27 credit hours)**

Students choose a minimum of nine courses in consultation with the supervisory committee (27).

**Other Requirements (30 credit hours)**

credit hours for coursework from master's degree or JD (30)

**Culminating Experience (12 credit hours)**

dissertation (12)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

An applicant should hold a master's degree from an accredited institution; it may be in criminal justice, criminology or another field (e.g., sociology, political science, history, social work, public administration, psychology or philosophy). In exceptional cases, the admission committee will consider applicants who hold only a bachelor's degree.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- two letters of recommendation
- current curriculum vitae or resume
- personal statement
- sample of the applicant's written work
- proof of English proficiency.

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency, which can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Official transcripts must be submitted from every university or institution in which a degree was awarded.

GRE scores must be from within the last five years.

The letters of recommendation must be from faculty members or others qualified to evaluate the applicant's academic potential for doctoral study.

The personal statement should not exceed five pages, and it should describe the applicant's prior education, relevant professional experience and career goals. The statement must explain how the doctorate in criminology and criminal justice will help the applicant attain his or her career goals. The statement should explicitly explain how the student's plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU.

The applicant's sample of written work should be submitted electronically. The writing sample may be an article (published or unpublished), a research paper, or any other extended sample of expository skill, and the sample must be no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents should not be password protected. Acceptable file types are .rtf, .pdf, and .doc.

Students should see the unit website for application deadlines.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu/>  
UCENT 600  
gradscj@asu.edu  
602-496-2356

## Domestic Violence and Evidence-Based Practice (Certificate), Certificate (PPDVEPGRCT)

**Online Degree Search Title:** Domestic Violence and Evidence-based Practice (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

The certificate program in domestic violence and evidence-based practice provides graduate students with the experience and knowledge to intervene safely and effectively on behalf of the survivors of gender-based violence. Those knowledgeable about the dynamics of intimate partner violence are better equipped to assist those suffering its negative physical and mental health consequences. Students in the certificate program engage in service-based and classroom learning to understand the role of evidence-based interventions in promoting survivor safety and client empowerment. The certificate program prepares students to become Arizona state-certified advocates for victims of domestic violence.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

SWG 545 Domestic Violence and National AmeriCorps Service (3)

Restricted Electives (6 credit hours)

SWG 546 Approaches to Teen Dating Violence Prevention (3) or

SWG 618 Advanced Practice in Domestic Violence (3) or

SWG 647 The Domestic Violence Movement: An Intersectional Framework (3) or

SWG 648 Intimate Partner Violence Risk Assessment (3)

Other Requirement (6 credit hours)

SWG 541 Field Practicum I (3) or SWG 641 Advanced Practicum: Direct Practice I (3) or SWG 643 Advanced Practicum: Planning, Social Work Administration and Community Practice I (3)

SWG 542 Field Practicum II (3) or SWG 642 Advanced Practicum: Direct Practice II (3) or SWG 644 Advanced Practicum: Planning, Social Work Administration and Community Practice II (3)

Additional Curriculum Information

For restricted electives, students select two courses from the approved course list. Other coursework may be used with the approval of the academic unit.

For the other requirement section, students must select one course from SWG 541, SWG 641 or SWG 643 and one course from SWG 542, SWG 642 or SWG 643. Other coursework may be used with approval of the academic unit.

The student's department-specific field experience practicum credits may be substituted for the other requirement section with department approval.

All students are required to complete 300 hours (minimum) of domestic violence service through a field experience practicum. Students should work with the academic unit in coordinating the field experience practicum. Concurrent to the beginning of their field experience practicum, students will take the Domestic Violence and National AmeriCorps Service core course (SWG 545) in order to learn about the foundations for working with domestic violence victims. The coursework and field experience practicum experience maximize experiential learning opportunities.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and are degree-seeking graduate students. Experience in social work, social services or a related field is required.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students who need an F1 or J1 visa will first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Applicants interested in the domestic violence and evidence-based practice certificate will be asked to attend an interview. The interview is a chance to help the student find an appropriate field experience or practicum to match the certificate requirements.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu/>  
UCENT 813  
survivorlink@asu.edu  
602-496-0800

## **Emergency Management (Certificate), Certificate (PPEMEGRCT)**

**Online Degree Search Title:** Emergency Management (Graduate Certificate)

**Campus:** Downtown Phoenix

#### **Program Description:**

The graduate certificate program in emergency management provides motivated students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management. More specifically, an orientation on all-hazards and all-threats provides students with a generalist perspective, which is critically important for today and tomorrow's disaster managers.

The certificate program may be of interest to students in disciplines such as public policy, planning, political science, nonprofit management, social work, criminology and other related fields.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

PAF 520 Public Management (3)

PAF 552 Integrated Emergency Management (3)

PAF 555 Information Technology in Emergency Management (3)

Electives (6 credit hours)

Additional Curriculum Information

For electives, students should see the academic unit for an approved course list. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of career and educational goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The program is ideal for students from related fields, including political science, planning, urban and metropolitan studies, sociology as well as other social science degrees; however, applicants from all educational backgrounds may be accepted provided they meet the minimum requirements. Current ASU graduate students are eligible for the certificate as a supplement to their existing degree program. In addition, students not enrolled in a graduate program at ASU are also eligible to apply as nondegree students provided they meet the admission criteria stated above. However, MPA students in the proposed emergency management concentration would not be eligible for admission.

Students should see the program website for application deadlines.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/gradcertificates>

UCENT 400

spa@asu.edu

602-496-0450

**Emergency Management and Homeland Security, MA (PPEMHSMA)**

**Online Degree Search Title:** Emergency Management and Homeland Security, MA  
Academic Catalog Archive 2019-2020

**Campus:** Online

**Program Description:**

The MA in emergency management and homeland security promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in areas related to emergency and disaster management, hazards management, public safety and homeland security.

The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21st-century challenges which require thoughtful and informed leadership.

Students can enroll in the degree program without declaring a concentration. However, selecting a concentration is advisable. Doing so assists in developing knowledge, skills and abilities pertinent to an intended career path.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including an applied project course (CRJ 593 or PAF 593), or 33 credit hours including an applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, environmental sciences or geography, public health or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate application and application fee
- official transcripts
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field or a bachelor's degree in a related area is required.
- two letters of recommendation
- a written statement
- proof of English proficiency



#### Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-emergency-management-and-homeland-security/>)

#### Contact Information:

Public Service and Community Solutions, Watts College of

Watts College of Public Service & Community Solut

<https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma>

CHASE 3300

pubserv\_grad@asu.edu

602-496-1019

## Emergency Management and Homeland Security (Biosecurity and Threat Management), MA (PPEMHSBTMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Biosecurity and Threat Management), MA

**Campus:** Online

#### Program Description:

Biosecurity and threat management is an important and emerging area related to the intersection of homeland security, public health and risk management addressing a unique set of hazard and threat management issues related to bioterrorism, agroterrorism and communicable disease threats associated with disaster incidents. The biosecurity and threat management concentration under the MA in emergency management and homeland security degree is designed to specifically develop professionals to meet a set of emerging and challenging needs. Some of the coursework in this program is offered through the University of New South Wales as part of the PLuS alliance program.

Overall, this degree program promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in areas related to emergency and disaster management, hazards management, public safety and homeland security.

The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21st century challenges which require thoughtful and informed leadership.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Concentration (3 credit hours)

CPP 581 Bioterrorism and Health Intelligence (3)

Restricted Elective (3 credit hours)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Restricted elective coursework is chosen from an approved list. Students should see the academic unit for the approved course list.

Students will choose one of the applied project courses listed.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, or another closely related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement
- evidence of current employment
- proof of English proficiency

Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement must be at least one page in length, which describes the applicant's educational and career goals and long-term professional development strategy. Evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field or a bachelor's degree in a related area.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-biosecurity-and-threat-management/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of

Watts College of Public Service & Community Solut

<https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma>

CHASE 3300

pubserv\_grad@asu.edu

602-496-1019

## **Emergency Management and Homeland Security (Community Resilience), MA (PPEMHSCRMA)**

**Online Degree Search Title:** Emergency Management and Homeland Security (Community Resilience), MA

**Campus:** Online

**Program Description:**

The community resilience concentration under the MA in emergency management and homeland security degree is focused on community resilience across government agencies (local, state, federal), as well as private and nonprofit sector organizations where functional and operational responsibilities relate to planning, hazards mitigation, disaster recovery or sustainability.

Overall, this degree program promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in

areas related to emergency and disaster management, hazards management, public safety and homeland security.

The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21st century challenges which require thoughtful and informed leadership.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Concentration (3 credit hours)

PAF 560 Community Resilience (3)

Restricted Elective (3 credit hours)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Restricted elective coursework is chosen from an approved list. Students should see the academic unit for the approved course list.

Students also choose one of the applied project courses listed.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement,
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

#### Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-community-resilience/>)

#### Contact Information:

Public Service and Community Solutions, Watts College of

Watts College of Public Service & Community Solut

<https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma>

CHASE 3300

pubserv\_grad@asu.edu

602-496-1019

## Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA (PPEHSCPMMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA

**Campus:** Online

#### Program Description:

The cybersecurity policy and management concentration under the MA program in emergency management and homeland security degree provides motivated students with knowledge, skills and abilities to assume leadership, key management and other key operational positions with public sector agencies (or related private sector organizations) with responsibilities related to managing cybersecurity hazards in the area of homeland security, emergency management, critical infrastructure protection, risk management, and other related fields. Cybersecurity is an important threat and vulnerability issue that cuts across multiple domains.

This concentration is uniquely geared toward professionals in emergency management, homeland security, critical infrastructure protection, hazard mitigation, planning and emergency preparedness who do not seek nor require highly technical training in cybersecurity (beyond a basic competency level) but, instead, have major operational responsibilities that pertain to cyber-related vulnerabilities. This concentration is a unique contribution: It provides education and training on cyber policy and management issues for general administrators, and further, it leverages the PLuS Alliance for shared international course offerings.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### Degree Requirements:

33 credit hours including an applied project (CPP 593).

Required Core (18 credit hours)  
CPP 510 Hazards Governance (3)  
CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)  
CPP 570 GIS for Hazards Analysis (3)  
CRJ 511 Applied Data Analysis in Criminal Justice (3)  
CRJ 554 Homeland Security (3)  
PAF 552 Integrated Emergency Management (3)

Concentration (3 credit hours)  
CPP 575 U.S. Cyber and Information Security Policy (3)

Restricted Elective (3 credit hours)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)  
CPP 593 Applied Project (3)

#### Additional Curriculum Information

Students take up to three courses as part of the PLuS Alliance program with the University of New South Wales.

Restricted elective coursework is chosen from an approved list. Students should see the academic unit for the approved course list.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume
- written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The resume should show current employment in an organization in this field or at least two years prior professional experience in emergency management or a related field, or a bachelor's degree in a related area.

The written statement must be at least one page in length and must describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/cybersecurity-policy-and-management-ma/>)

#### Contact Information:

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma>  
CHASE 3300  
pubserv\_grad@asu.edu  
602-496-1019

## Emergency Management and Homeland Security (Emergency Management), MA (PPEMHSEMMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Emergency Management), MA

**Campus:** Online

### **Program Description:**

The emergency management concentration under the MA in emergency management and homeland security degree is designed for individuals who intend to assume greater management responsibility in helping communities reduce vulnerability to hazards and cope with disasters in both private and public settings. Students gain an essential understanding of the entire vision, mission and principles of emergency management with an emphasis on leadership, management, use of technology and cross-agency collaboration.

Overall, this degree program promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in areas related to emergency and disaster management, hazards management, public safety and homeland security.

The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21st century challenges which require thoughtful and informed leadership.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### **Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Concentration (3 credit hours)

PAF 555 Information Technology in Emergency Management (3)

Restricted Elective (3 credit hours)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Restricted elective coursework is chosen from an approved list. Students should see the academic unit for the approved course list.

Students also choose one of the applied project courses listed.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

**Additional Admission Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-emergency-management/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of

Watts College of Public Service & Community Solut

<https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma>

CHASE 3300

pubserv\_grad@asu.edu

602-496-1019

## **Emergency Management and Homeland Security (Homeland Security), MA (PPEMHSMA)**

**Online Degree Search Title:** Emergency Management and Homeland Security (Homeland Security), MA

**Campus:** Online

**Program Description:**

The homeland security concentration under the MA degree in emergency management and homeland security is focused on homeland security as a field, applicable to all levels of government (federal, state, local) and to positions in private sector organizations with functional and operational related to organizational security.

Overall, this degree program promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in areas related to emergency and disaster management, hazards management, public safety and homeland security.

The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21st century challenges which require thoughtful and informed leadership.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Concentration (3 credit hours)

CRJ 553 Terrorism and Weapons of Mass Destruction (3)

Restricted Elective (3 credit hours)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Restricted elective coursework is chosen from an approved list. Students should see the academic unit for the approved course list.

Students also choose one of the applied project courses listed.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation



- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field or a bachelor's degree in a related area
- proof of English proficiency

#### Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-homeland-security/>)

#### Contact Information:

Public Service and Community Solutions, Watts College of  
 Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/programs/ma/emergency-management-and-homeland-security-homeland-security-ma>  
 CHASE 3300  
 pubserv\_grad@asu.edu  
 602-496-1019

## Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)

**Online Degree Search Title:** Latino Cultural Competency in Social Work (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

In response to need, ASU offers a graduate certificate in Latino cultural competency through the Watts College of Public Service and Community Solutions School of Social Work. The School of Social Work offers Latino-oriented courses with an emphasis on Spanish language development for professional social workers.

The goal of the program is to enhance a social work professional's capacity for engaging in culturally grounded practice with Latino clients and their families.

The program is intended for professionals who want to expand their employment potential by adding an expertise in professional services with Latinos and who want to learn the critical, cross-cultural factors that influence a worker's competency in forming professional helping relationships with Latinos as well as the social and cultural context and theoretical principles of social work practice with Latinos and learn the social service delivery issues involved in providing services for bilingual and limited- or non-English-speaking Latino populations.

#### Degree Requirements:

15 credit hours.

The following is required for students enrolled in the Master of Social Work program:

- completion of 480 hours of field practicum with Latino clients and communities (60 percent of case load to be Spanish-speaking)
- field practice consisting of six credit hours of field practicum
- six credit hours of Latino-oriented coursework
- SWG 533 Diversity and Oppression in a Social Work Context (3)

At least three credit hours are required to be taken from within the School of Social Work.

Requirements for those already working in the field of social work as a community professional social worker and community worker are as follows:  
 Academic Catalog Archive 2019-2020 1027

- six credit hours of independent study field practice consisting of the completion of 480 hours with Latino clients and communities (60 percent of client caseload to be Spanish-speaking)
- six credit hours of Latino-oriented coursework
- SWG 533 Diversity and Oppression in a Social Work Context (3)

#### Additional Curriculum Information

At least three credit hours of the Latino-oriented coursework are required to be taken from within the School of Social Work.

Students already working in the field of social work may petition to use their place of employment for the six credit hours of independent study field practice.

Students with a Master of Social Work or BSW degree who have completed SWG 533 in the past five years may substitute another Latino-oriented course.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- the School of Social Work Latino cultural competency application form and the required \$50 application fee
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

No more than two certificate courses may be completed before applying for admission to the certificate program.

Social work graduate students must have graduate status in the Watts College of Public Service and Community Solutions School of Social Work and must demonstrate proficiency in the Spanish language.

Community professional social workers must possess a Master of Social Work, Bachelor of Social Work or related master's degree and must demonstrate proficiency in the Spanish language.

Community workers must have the equivalency of a two-year work experience in the social service field, an undergraduate degree, and demonstrate proficiency in the Spanish language.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
[social.work@asu.edu](mailto:social.work@asu.edu)  
602-496-0800

**Online Degree Search Title:** Law Enforcement Administration (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate program in law enforcement administration will prepare and enhance the work of law enforcement professionals by providing coursework in criminal justice organizations, policing and program analysis and in cross-disciplines such as public administration. The program is designed to give students a solid foundational understanding of law enforcement agency administration, leadership and policy analysis.

**Degree Requirements:**

15 credit hours.

Required Courses (12 credit hours)

CRJ 512 Seminar in Policing (3)

CRJ 516 Seminar in Criminal Justice Organization and Management (3)

CRJ 527 Police Accountability (3)

PAF 520 Public Management (3)

Electives (3 credit hours)

Culminating Experience: None Required

Additional Curriculum Information

Students should see the academic unit for the approved elective course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants who are nondegree-seeking students (not admitted to a graduate degree program at ASU) will be required to submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate (if applicable) coursework
- a written statement of career and educational goals
- two letters of recommendation
- current resume
- proof of English proficiency

Applicants who are graduate degree-seeking students (admitted to a graduate program at ASU) will be required to submit:

- graduate admission application
- a written statement of career and educational goals

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students from related fields, such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program; however, all eligible students will be considered. Although most students would likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school will accept applicants with undergraduate degrees from all educational backgrounds.

There are no examinations required for admission to the certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-law-enforcement-administration/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Criminology and Criminal Justice  
https://ccj.asu.edu  
UCENT 600  
gradscj@asu.edu  
602-496-2356

## Nonprofit Leadership and Management, MNLM (PPNPSMNS)

**Online Degree Search Title:** Nonprofit Leadership and Management, MNLM

**Campus:** Downtown Phoenix, Online

### Program Description:

Offered through the School of Community Resources and Development, the MNLM program is intended for mid-level professionals who work in or desire to work in the nonprofit sector at senior leadership and management levels. The program provides an opportunity to obtain an advanced degree that addresses the unique character of nonprofit organizations and the social sector.

Students explore both theory and the practice of leadership and management in the nonprofit sector. The degree allows graduates enhanced recognition and credentials similar to students who have graduate degrees in administration or management.

### Degree Requirements:

33 credit hours including the required capstone course (NLM 620).

Required Core (18 credit hours)

NLM 510 The Nonprofit Sector (3)

NLM 520 Financial and Resource Management (3)

NLM 530 Program Evaluation and Information Management (3)

NLM 540 Strategic Human Resources Management (3) or NLM 545 Volunteer Resource Management (3)

NLM 550 Philanthropy (3)

NLM 620 Capstone: Critical Issues in Nonprofit Management (3)

Electives (15 credit hours)

Additional Curriculum Information

Students are required to take 18 credit hours of core coursework, of which three credit hours are a capstone course that is completed at the end of the program of study. The capstone course is integrative and case-based, allowing students to synthesize material from prior coursework. Successful completion of this course is required in place of a thesis or applied project.

Students complete 15 credit hours of related elective coursework. Courses are selected from two contributing disciplines (public affairs and social work) to foster the transdisciplinary nature of the degree. Students may petition for one three credit hour course not listed as an approved elective in their program of study as long as students can establish an intellectual and professional development objective that substantiates the course selection. The petition should be submitted prior to enrollment in an elective.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- curriculum vitae or resume
- statement of educational and career goals
- three reference letters
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

The statement of educational and career goals should be written in sufficient detail to indicate compatibility with the educational objectives and capabilities of the school.

Reference letters should be from a combination of academic and professional references. References from friends and family members are not accepted.

Students currently pursuing the nonprofit leadership and management certificate who are interested in applying for the master's program must apply to the degree program before the completion of nine credit hours in their certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-certification-master-nonprofit-leadership-and-management/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
nonprofit@asu.edu  
602-496-0550

## Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)

**Online Degree Search Title:** Nonprofit Leadership and Management (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The graduate certificate program in nonprofit leadership and management provides students with an understanding of the nonprofit sector's role in society and with knowledge applicable to those who wish to lead and manage nonprofit organizations. The objective of this program is to provide students from diverse academic backgrounds with exposure to content needed by leaders in the nonprofit sector, including the understanding of the historical and philosophical context for nonprofit organizations in society, the theory and practice of philanthropy, financial management practices and other topical content areas.

The certificate is ideal when combined with graduate degrees in other areas and when used to provide a core concentration in nonprofit leadership and management.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

NLM 510 The Nonprofit Sector (3)

NLM 520 Financial and Resource Management (3)

NLM 540 Strategic Human Resources Management (3) or NLM 545 Volunteer Resource Management (3)

Electives (6 credit hours)

Additional Curriculum Information

Students select either NLM 540 or NLM 545 as part of the required core coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

The program is available to students who are pursuing their graduate degree in a chosen field of study and who have expressed interest in pursuing careers in the nonprofit sector. In addition, the program is well suited for working professionals who may be pursuing a graduate degree but who wish to strengthen their skills and connections to the nonprofit community.

Applicants should see the College of Public Service and Community Solutions website for more information.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/PPNONPROCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/PPNONPROCE/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 500  
nonprofit@asu.edu  
602-496-0550

## Participatory Governance (certificate), Certificate (PPPGORCT)

**Online Degree Search Title:** Participatory Governance (Graduate Certificate)

**Campus:** Downtown Phoenix, Tempe

#### Program Description:

This certificate program in participatory governance provides students with the knowledge and skills to develop, implement and evaluate participatory governance programs and public engagement activities.

This transdisciplinary program combines academic rigor with practical skills. Students examine the main theories and research findings on participatory governance and public engagement and familiarize themselves with past and current democratic innovations in the U.S. and around the world. Students also develop the capacity to design, carry out and examine processes of participatory governance and public engagement.

The certificate program, administered by the School of Public Affairs, may be pursued as a specialization within an existing ASU graduate program or as a stand-alone program.

#### Degree Requirements:

15 credit hours.

Required Core (9 credit hours)

PAF 531 Community Conflict Resolution (3)

PAF 565 Theories and Practices of Democracy (3)

PAF 566 Participatory Governance and Civic Engagement (3)

Electives (6 credit hours)

Additional Curriculum Information Electives are chosen from a list of preapproved courses and are selected with the faculty advisor. The faculty advisor directs the selection of the electives to ensure that they focus on a common theme and to see that the student's experiences in the courses align with the learning goals outlined for the certificate.

Students are required to maintain at least a 3.00 GPA (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students from related fields such as political science, planning, urban and metropolitan studies, sociology, as well as other social science degrees might be interested in this program. However, all eligible students will be considered.

Students should see the program website for application deadlines.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/gradcertificates>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Policy Informatics (Certificate), Certificate (PPPOIGRCT)

**Online Degree Search Title:** Policy Informatics (Graduate Certificate)

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

**Program Description:**

The policy informatics certificate program provides knowledge and skills to students seeking careers in which they will use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions as well as explore new governance infrastructures. Emphasis is placed on theories and research concerning decision-making, complexity theory and visualization of quantitative and qualitative information, collective intelligence, behavioral economics and persuasive technologies.

Policy informatics helps to advance evidence-driven policy design, wherein scientific models and analyses drive decision-making for resolution of complex policy challenges, dilemmas and problems. This is both an emerging field of research and a community of practice focusing on advancing decision-making in the public sector through information-centric analysis of evidence that leverages computational and technological advances. Professionals who use policy informatics are involved in designing, managing and evaluating information systems and infrastructures for policy construction, analysis and implementation.

Policy informatics advances the transdisciplinary nature of the public administration discipline by infusing it with the advances of information technology, management of information systems, and computational and informational science perspectives.

**Degree Requirements:**

15 credit hours.

Five courses are required for the certificate. Students should review the certificate requirements and required courses on the School of Public Affairs' website. Students are required to maintain at least a 3.00 GPA (scale is 4.00 = "A") and to have no more than one grade below a "B-" in

courses taken to complete the certificate program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of career and educational goals
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

All materials are submitted online through the graduate admission application.

Students should see the program website for application deadlines.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/gradcertificates>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## **Program Evaluation (Certificate), Certificate (PPPGEVGRCT)**

**Online Degree Search Title:** Program Evaluation (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

Professionals in the government, nonprofit and private sectors are increasingly required to demonstrate effectiveness of programs and activities. This graduate certificate in program evaluation will provide students with a solid grounding in the applied and conceptual tools of conducting evaluation research and program evaluations as well as the skills to implement evaluations.

**Degree Requirements:**

18 credit hours including the required applied project course (CRD 593 or CRJ 593 or PAF 593).

Required Core (6 credit hours)

Select one required course from:

NLM 530 Program Evaluation and Information Management (3)

PAF 541 Program Evaluation (3)

Select one required course from:

CRD 502 Statistical and Data Analysis (3)



PAF 502 Public Service Research II (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)

CRD/CRJ/PAF 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology and criminal justice, social work, public service, nonprofit management, parks and recreation management, tourism management, business, education, family studies, public health, education, psychology or a related social and applied sciences field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in the applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/program-evaluation-graduate-certificate>  
CHASE 3300  
publicservice.recruitment@asu.edu  
602-496-1019

## Program Evaluation and Data Analytics, MS (PPPGEMS)

**Online Degree Search Title:** Program Evaluation and Data Analytics, MS

**Campus:** Downtown Phoenix, Online

**Program Description:**

The MS in program evaluation and data analytics is a professional degree program that emphasizes skills needed to leverage data to improve organizational performance in the public, nonprofit and private sectors. It combines courses in program evaluation that provide tools to assess policy or program impact with data science classes that empower students to utilize a diverse array of data sources in new and exciting ways.

Students receive training in data programming, visualization, dashboard design, open data, project management and impact analysis. Through this, students build the technical skills necessary to implement evidence-based approaches to policy and management.

Unlike other data scientist degrees, this program is built using public sector and nonprofit examples. Students do not need a background in computer programming before starting the degree. Through individualized attention and a project-based curriculum, students develop expertise in performance and evaluation frameworks for social change.

Graduates are prepared to work as policy analysts, managers, chief data officers, or evaluation specialists.

**Degree Requirements:**

30 credit hours including the required applied project course (CRD 593 or CRJ 593 or PAF 593).

Required Core (24 credit hours)

- CPP 523 Foundations of Program Evaluation I: Multiple Regression (3)
- CPP 524 Foundations of Program Evaluation II: Research Design (3)
- CPP 525 Foundations of Program Evaluation III: Advanced Regression Tools (3)
- CPP 526 Foundations of Data Science I: Introduction to Data Programming in R (3)
- CPP 527 Foundations of Data Science II: Data Wrangling (3)
- CPP 528 Foundations of Data Science III: Project Management (3)
- CPP 529 Data Analytics Practicum (3)
- SWG 623 Program Evaluation (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

- CPP 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in criminology and criminal justice, social work, public service, nonprofit management, parks and recreation management, tourism management, business, education, family studies, public health, psychology, or a related social and applied sciences field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/program-evaluation-and-data-analytics-ms/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/program-evaluation-ms>  
CHASE 3300  
pubserv\_grad@asu.edu  
602-496-1019

## Public Administration, EMPA (PPPUAEMPA)

**Online Degree Search Title:** Public Administration - Executive, EMPA

**Campus:** Online

**Program Description:**

The EMPA is a 19-month, online graduate degree program which also features three-day face-to-face executive sessions in both Phoenix and Washington, D.C. The program is a collaboration between the School of Public Affairs and the McCain Institute for International Leadership.

The Executive Master of Public Administration program is designed for public sector leaders throughout the world. Students participate in the program as part of a learning cohort, and the one-course-at-a-time online structure enables them to maintain a work and life balance as they immerse in each topic. The learning experience begins with an orientation and executive session in Phoenix. Approximately one year later, the class reconvenes in Washington, D.C., for a second executive session. The executive master's degree program ends in Phoenix, where students present their applied projects.

The ASU Executive Master of Public Administration program enables students to expand the breadth and depth of their professional network. The online curriculum attracts a more geographically diverse pool of applicants from around the world. The executive sessions in Phoenix and Washington, D.C., further enable students to develop deeper relationships with their classmates.

Executive Master of Public Administration students are selected based on their ability to demonstrate the value they would add to the learning experience of the entire class, and a new cohort begins each year.

**Degree Requirements:**

30 credit hours including the required applied project course (PAF 593).

Required Core (27 credit hours)

PAF 504 Microeconomics of Public Policy I (3) or TGM 581 Negotiating in a Global Context (3)

PAF 508 Organization Behavior (3)

PAF 574 Diversity, Ethics, and Leading Public Change (3)

PAF 582 E-Public Administration (3)

PAF 585 Strategic Planning for Public Sector Leaders (3)

PAF 586 Data Analytics for the Public Good (3)

PAF 587 Federal Budgeting and Tax Policy (3)

PAF 588 Global Public Policy (3)

PAF 589 Leadership in Public Organizations (3)

Culminating Experience (3 credit hours)

PAF 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.  
Academic Catalog Archive 2019-2020

Exceptions to the GPA requirements may be considered based on the professional achievements demonstrated by the applicant as determined by applicant's resume and other application materials. In addition to the GPA requirement, applicants are expected to have five to seven years of progressive leadership experience.

The personal statement must be 300 words or fewer and should include what experiences and qualities the student will bring to the EMPA program. The student must also discuss their career objectives and how they plan to leverage the EMPA to help achieve those objectives. In addition, applicants also may provide any supplementary information that would strengthen the personal statement.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://ramseyexecutive.asu.edu/content/executive-mpa>  
MERCC 105  
ramseyexecutive@asu.edu  
602-496-1300

## Public Administration, MPA (PPPADTMPA)

**Online Degree Search Title:** Public Administration - Downtown Phoenix, MPA

**Campus:** Downtown Phoenix

**Program Description:**

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government.

Students may elect to specialize in one of the four approved Master of Public Administration concentrations: urban management, nonprofit administration, emergency management or public finance.

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and enables students to develop the skills and techniques used by city and urban leaders and managers.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory and the practice of management and leadership in the nonprofit sector.

The concentration in emergency management prepares graduates for a challenging career as a professional emergency manager. This program allows students to focus on concerns related to emergency management within the larger field of public administration.

The concentration in public finance provides knowledge and skills for students seeking or advancing careers in areas in which financial management plays an integral role in governance. This concentration emphasizes theories and research concerning urban economics and public finance, managing money in the public sector, public budgeting and finance, and capital budgeting and financing.

In addition, the school offers concurrent programs in planning, sustainability, criminology and criminal justice, and social work. For admission and program requirements, students should see <https://spa.asu.edu/content/concurrent-degrees> (<https://spa.asu.edu/content/concurrent-degrees>).

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

- American Indian Studies (Tribal Leadership and Governance), MS
- Criminology and Criminal Justice, MS
- Social Work - Standard Program, MSW
- Sustainability Solutions, MSUS
- Urban and Environmental Planning, MUEP

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS

Public Service and Public Policy (Nonprofit Leadership and Management), BS  
Public Service and Public Policy (Parks and Recreation Management), BS  
Public Service and Public Policy (Science and Technology Policy), BS  
Public Service and Public Policy (Social Services Delivery), BS  
Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (24 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 503 Public Affairs (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 506 Public Budgeting and Finance (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Electives or Research (15 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3) or

PAF 579 Public Policy Capstone (3)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives. Approved elective credit hours may include courses offered by the school or other academic units in the university.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science degrees, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must submit proof of English proficiency. Additional requirements for international students are available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

At least two of the three letters of recommendation should be from faculty members or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Fees increase after the deadline.

Students should contact the School of Public Affairs at 602-496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) if they have questions about the application process.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpa>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Administration (Certificate), Certificate (PPUAGRCT)

**Online Degree Search Title:** Public Administration (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

The graduate certificate program in public administration prepares students for work at all levels in governmental and nonprofit organizations. Through comprehensive coverage of topics in public administration, management and policy, students discover the challenges of management, learn how to lead a public organization and understand the process of policy development. The program is designed to give students a solid foundational understanding of administration, leadership and policy analysis in service to the public good.

#### Degree Requirements:

15 credit hours.

Required Core (6 credit hours)

PAF 503 Public Affairs (3)

PAF 505 Public Policy Analysis (3)

Electives (9 credit hours)

#### Additional Curriculum Information

Electives are chosen from a list of preapproved courses and are selected with the faculty advisor. The faculty advisor directs the selection of the electives to ensure they focus on a common theme and to see that the student's experiences in the courses align with the learning goals outlined for the certificate. For the electives, the student must select any three 3-credit PAF courses at the 500-level. Students should note that PAF 504 is a prerequisite for PAF 505.

Students are required to maintain at least a 3.00 GPA (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students from related fields such as public policy, political science, planning, urban and metropolitan studies, sociology, as well as other social science degrees might be interested in this program. However, all eligible students will be considered.

Students should see the program website for application deadlines and admission terms.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/gradcertificates>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Public Administration (Emergency Management), MPA (PPPAFEMPA)

**Online Degree Search Title:** Public Administration (Emergency Management), MPA

**Campus:** Downtown Phoenix

**Program Description:**

The MPA program with a concentration in emergency management provides students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management.

An all-hazards and all-threats orientation provides the student with a generalist perspective, which is critically important for the disaster managers of today and tomorrow. In addition, this program examines community resilience from a systems perspective, embracing government, private, nonprofit and civic roles. The program also provides an understanding of how community members respond to the need to prepare for, endure and recover from disasters and provides the ability to utilize multiple communication methods to help community members before, during and after these emergencies.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS

Public Service and Public Policy (Social Services Delivery), BS

Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (24 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 503 Public Affairs (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 506 Public Budgeting and Finance (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Required Concentration (9 credit hours)

PAF 520 Public Management (3)

PAF 552 Integrated Emergency Management (3)

PAF 555 Information Technology in Emergency Management (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3) or

PAF 579 Public Policy Capstone (3)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include political science, criminology, planning, business, urban and metropolitan studies, and other social science fields. Although most students for the graduate concentration would likely come from the aforementioned degree fields, the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of career and educational goals
- three letters of recommendation (two of which should be academic recommendations)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must submit proof of English proficiency.

The following entry-level competencies are needed for admission the program: Students should have an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Students may also satisfy the American national government competency by taking the College-Level Examination Program in American Government and receiving a passing score.

GRE verbal, quantitative and analytical scores will be used as one of the indicators to see how competitive an applicant is within the applicant pool.

Students should see the program website for application deadlines.



**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpa>  
UCENT 400  
spa@asu.edu  
602-496-0450

**Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)**

**Online Degree Search Title:** Public Administration (NonProfit Administration), MPA

**Campus:** Downtown Phoenix

**Program Description:**

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory and the practice of management and leadership in the nonprofit sector.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (21 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 503 Public Affairs (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 506 Public Budgeting and Finance (3)

PAF 508 Organization Behavior (3)

Concentration (12 credit hours)

NLM 510 The Nonprofit Sector (3)

NLM 520 Financial and Resource Management (3)

NLM 540 Strategic Human Resources Management (3)

other approved course (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3) or

PAF 579 Public Policy Capstone (3)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives as well as the list of courses that may fulfill the concentration requirement. Approved elective credit hours may include courses offered by the school or other academic units in the university.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science disciplines, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must also submit proof of English proficiency. Additional requirements for international students are available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after the deadline.

Applicants should contact the School of Public Affairs at 602-496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) if they have questions about the application process.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs  
https://spa.asu.edu/mpa  
UCENT 400  
spa@asu.edu  
602-496-0450

## Public Administration (Public Finance), MPA (PPPAFPMPA)

**Online Degree Search Title:** Public Administration (Public Finance), MPA

**Campus:** Downtown Phoenix

### Program Description:

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government.

The concentration in public finance provides knowledge and skills for students seeking careers or advancing them in areas in which financial management plays an integral role in governance. This concentration emphasizes theories and research concerning urban economics and public finance, managing money in the public sector, public budgeting, and finance and capital budgeting and financing.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

42 credit hours including the required capstone course (PAF 509).

Required Core (24 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 503 Public Affairs (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 506 Public Budgeting and Finance (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Concentration (9 credit hours)

PAF 521 Managing Public Money (3)

PAF 522 Advanced Governmental Financial Management: Capital Budgeting and Infrastructure Financing (3)

PAF 570 Microeconomics of Public Policy II (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information

To meet the electives or research requirement, students choose one course from NLM 520, PAF 590 and PAF 584 for three credit hours. Students also choose any PAF 500-level course for three credit hours.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science degrees, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Students enrolling in Master of Public Administration core courses must demonstrate minimum competency in statistics and American government. Courses taken to fulfill the competency do not count toward the total credit hours required for the degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

Competency in statistics is met with a grade of "B" (scale is 4.00 = "A") or higher in one of the approved courses (PAF 301 or PAF 401, POS 401, PSY 230, ECN 221, QBA 221, SWU 321, STP 226 or SOC 390) within the past two years or passing a diagnostic test approved by the MPA committee. Other courses taken within the last two years may be substituted upon approval of the Master of Public Administration director.

Competency in American government is a demonstrated understanding of American government institutions and processes. Students may be required to take an undergraduate class in American government (PAF 300, PAF 340, POS 110 or POS 310) with a grade of "B" or higher. The College-Level Examination Program can also be used to demonstrate competency in American government.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs  
https://spa.asu.edu/mpa  
UCENT 400  
spa@asu.edu  
602-496-0450

## Public Administration (Urban Management), MPA (PPPAFUMPA)

**Online Degree Search Title:** Public Administration (Urban Management), MPA

**Campus:** Downtown Phoenix

### Program Description:

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government.

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and enables students to develop the skills and techniques used by city and urban leaders and managers.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (24 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 503 Public Affairs (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 506 Public Budgeting and Finance (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Concentration (12 credit hours)

PAF 523 The City and County Manager (3)

PAF 525 Public Entrepreneurship (3)

PAF 530 Management of Urban Government (3)

PAF 534 Urban Services Infrastructure (3)

Elective (3 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3) or

PAF 579 Public Policy Capstone (3)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related field, from a regionally accredited institution. Related fields include political science, planning, business, urban and metropolitan studies, as well as other social science disciplines, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must also submit proof of English proficiency.

Additional requirements for international students are located at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Students should contact the School of Public Affairs at 602-496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) with any questions about the application process.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpa>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Public Administration (Urbanism), PHD (PPPAURBPHD)

**Online Degree Search Title:** Public Administration and Policy (Urbanism), PhD

**Campus:** Downtown Phoenix

**Program Description:**

The PhD in public administration and policy is a theoretically grounded research degree program designed to prepare students for an academic career. The program is also appropriate for individuals who want to conduct high-level research and policy development in public and nonprofit agencies, foundations and research institutes. It is designed for students who seek full-time study.

The goal is to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to make a positive and important contribution to the field through teaching and research.

The doctoral program in public administration and policy with an urbanism concentration permits students to draw upon the extensive resources in urban affairs at ASU. As a result, these students are poised for success as productive and active scholars, researchers and teachers upon graduation.

The concentration in urbanism is a mechanism for organizing varied perspectives on urbanism into a collective body of scholarship. The study of public administration is enriched by grounding it in a comprehensive understanding of the characteristics of urban context and the dynamic forces that shape them. The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

PAF 601 Advanced Public Policy Seminar (3)

PAF 602 Advanced Research Design for Public Policy and Management (3)

PAF 603 Advanced Economics for Public Administration and Public Policy (3)

PAF 604 Intellectual Foundations of Public Administration (3)

PAF 605 Organization Theory and Behavior Seminar (3)

PAF 609 Advanced Quantitative Methods Seminar (3)

PAF 610 Advanced Qualitative Methods for Public Affairs Research (3)

PAF 620 Public Administration Professional Development Workshop (3)

Concentration (3 credit hours)

GCU 516 Principles of Urbanism (3)

Urbanism Electives (12 credit hours)

Research (3 credit hours)

PAF 792 Research (3)

Culminating Experience (12 credit hours)

## PAF 799 Dissertation (12)

### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- completed checklist
- written statement
- current resume or curriculum vitae
- three letters of recommendation
- samples of research reports or papers
- scores on the GRE (verbal, quantitative, analytical)
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must submit TOEFL scores to be considered for admission (institution code: 4007). This is true even for those who have a master's degree from a United States university. To be considered for admission to the doctoral program in public administration and policy, the applicant's minimum score on a traditional TOEFL test must be 600; the minimum score for a TOEFL iBT must be 100. Applicants with scores below the minimum will not be considered. More on the English proficiency requirement is available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The written statement of educational and career goals must include a discussion of research interests.

The letters of recommendation should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, ability to communicate effectively both orally and in writing, and commitment to completion of the program.

Only GRE test scores from within the past five years will be accepted, and analytical scores will be considered in admission decisions.

All applicants are expected to have completed graduate level statistics and research methods classes before admission. Applicants also are expected to have sufficient formal coursework in public administration to pursue doctoral study in the field. Admitted students are required to take PAF 501, PAF 502, PAF 503, PAF 504, PAF 508 (or their equivalents) and statistics prior to beginning the doctoral core courses. Applicants who are not pursuing an MPA should not take these courses until they consult with the doctoral program director.

Applicants are admitted for fall only. Admission is competitive; a limited number of well-qualified applicants will be admitted each year. Students should see the program website for application deadlines.

### Contact Information:



Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/phd>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Public Administration and Policy, PHD (PPPUBADPHD)

**Online Degree Search Title:** Public Administration and Policy, PhD

**Campus:** Downtown Phoenix

### Program Description:

The PhD in public administration and policy is a theoretically grounded research degree program designed to prepare students for a research-based career. The degree is appropriate for individuals who want to conduct high-level research and policy development in academic careers, public and nonprofit agencies, foundations and research institutes and for students who are committed to a four-year, full-time degree program.

This program is designed to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to contribute to the field through research and teaching. As a result, graduates are poised for success as productive and active scholars, researchers and teachers.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

PAF 601 Advanced Public Policy Seminar (3)

PAF 602 Advanced Research Design for Public Policy and Management (3)

PAF 603 Advanced Economics for Public Administration and Public Policy (3)

PAF 604 Intellectual Foundations of Public Administration (3)

PAF 605 Organization Theory and Behavior Seminar (3)

PAF 609 Advanced Quantitative Methods Seminar (3)

PAF 610 Advanced Qualitative Methods for Public Affairs Research (3)

PAF 620 Public Administration Professional Development Workshop (3)

Electives (15 credit hours)

Research (3 credit hours)

PAF 792 Research (3)

Culminating Experience (12 credit hours)

PAF 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree from a regionally accredited institution.

ASU's School of Public Affairs expects applicants for the doctorate to have demonstrated competency in the following subject areas at the time of  
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application: organizational theory, public policy analysis, economics and quantitative analysis.

Applicants who have obtained a master's degree accredited by the Network of Schools of Public Policy, Affairs and Administration in public affairs, public administration or public policy will not be required to complete prerequisites for admission to ASU's School of Public Affairs. In some cases, applicants from allied fields (i.e., political science, economics, sociology, business) will not be required to complete prerequisites, depending upon the extent to which previous training aligns with the competencies described above.

As is the case with all applicants, the doctoral program director or advisors may require or recommend completion of courses when there is a perceived deficit, especially if the deficit relates to graduate-level quantitative analysis and economics (PAF 502 and PAF 504, respectively, or equivalent courses). However, these requirements or recommendations, if any, are not a barrier to admission.

In cases where the doctoral student applicant has graduated from a public affairs, public administration or public policy program from another nation, or from a program not accredited by NASPAA, the applicant may be admitted and required to meet prerequisites after a review by the doctoral committee and doctoral program director.

Students applying with master's degrees from programs not closely related to public affairs (e.g., engineering, modern languages, chemistry) will be required to meet prerequisites equivalent to the courses required for either ASU's Master of Public Administration or Master of Public Policy: <https://spa.asu.edu/content/graduate-programs> (<https://spa.asu.edu/content/graduate-programs>).

Prior to enrolling in any of the school's core classes, all students are expected to be familiar with the foundational competency readings related to organizational theory, public policy analysis, economics and quantitative analysis.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program and have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- completed checklist
- written statement
- current resume or curriculum vitae
- three letters of recommendation
- samples of research reports or papers
- GRE scores (verbal, quantitative, analytical)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must submit TOEFL scores to be considered for admission; applicants should use institution code: 4007. This is true even for those who have a master's degree from a United States university. To be considered for admission to the doctoral program in public administration and policy, the minimum score on a traditional TOEFL test is 600, the minimum score for a TOEFL iBT is 100. Applicants with scores below the minimum will not be considered. More on the English proficiency requirement is available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The written statement of educational and career goals must include a discussion of research interests.

The letters of recommendation should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, their ability to communicate effectively, both orally and in writing, and their commitment to completion of the program.

Only GRE test scores from within the past five years will be accepted, and analytical scores will be considered in admissions decisions.

Admission is competitive; a limited number of well-qualified applicants are admitted each year.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/phd>  
UCENT 400  
spa@asu.edu  
602-496-0450

**Public Policy, MPP (PPPUBPMPP)**

**Online Degree Search Title:** Public Policy, MPP

**Campus:** Downtown Phoenix

**Program Description:**

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions, and about applying these skills to real-world issues --- especially to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students will also be able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

- Criminology and Criminal Justice, MS
- Sustainability Solutions, MSUS
- Urban and Environmental Planning, MUEP

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (27 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

PAF 570 Microeconomics of Public Policy II (3)

PAF 573 Applied Econometrics (3)

PAF 574 Diversity, Ethics and Leading Public Change (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)

PAF 579 Public Policy Capstone (3) or

#### Additional Curriculum Information

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

Students should see the academic unit for a complete list of approved electives.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must also submit proof of English proficiency. Additional requirements for international students are available at <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

At least two of the three letters of recommendation must be from faculty or other academic staff who can evaluate applicant's academic performance.

The one to two page written statement should state the applicant's educational and career goals and will also be used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after deadline.

Applicants should contact the School of Public Affairs at 602-496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) if there are questions about the application process.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

**Online Degree Search Title:** Public Policy (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

This certificate program in public policy prepares students for professional careers as policy analysts and leaders in public service who are involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program is designed to give students analytical techniques and conceptual frameworks for understanding policy issues as well as for identifying potential solutions and applying these skills to real-world issues.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

Electives (6 credit hours)

Additional Curriculum Information

The electives are chosen from a list of preapproved courses and will be selected with the faculty advisor. The faculty advisor will direct the selection of the electives to ensure that they focus on a common theme, and to see that the students' experiences in the courses align with the learning goals outlined for the certificate. For the electives, students select any two three-credit PAF courses that are 500-level. Students should note that PAF 504 is a prerequisite for PAF 505.

Students are required to maintain at least a 3.00 GPA (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students from related fields (e.g., public administration, political science, planning, urban and metropolitan studies, sociology, and other social science fields) might be interested in this program. However, all eligible students will be considered.

Students should see the program website for application deadlines and admission terms.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/gradcertificates>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Public Policy (Environmental Policy), MPP (PPUPEPMPP)

**Online Degree Search Title:** Public Policy (Environmental Policy), MPP

**Campus:** Downtown Phoenix

**Program Description:**

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and about applying these skills to real-world issues, especially to the needs of cities in a region. Students also gain an understanding of policies that address issues such as poverty, education, the environment and public safety.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students are able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students also are able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The concentration in environmental policy prepares students at the master's degree level to apply sustainability principles and approaches to careers in a variety of fields that address environmental and, inevitably, human challenges. Students acquire the knowledge base and skills to bring sustainability solutions to corporate, government and nonprofit sectors. The concentration program begins by building a foundation in environmental policy and theory through the core coursework, followed by electives that develop and deepen student expertise in specific areas and issues. The program is uniquely positioned to allow students to build careers in public policy analysis and administration, international development and nonprofit organizations

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (27 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

PAF 570 Microeconomics of Public Policy II (3)

PAF 573 Applied Econometrics (3)

PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (6 credit hours)

PAF/SOS 545 Organizations, Sustainability and Public Policy (3)

PAF 546 Environmental Policy and Management (3)

Restricted Electives (6 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3) or

PAF 579 Public Policy Capstone (3)

Additional Curriculum Information Students should see the academic unit for a complete list of approved electives.

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Related fields include political science, sustainability, planning, business, urban and metropolitan studies and other social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

3

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007)
- three letters of recommendation
- written statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Additional requirements for international students are at <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Fees increase after the deadline.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpp>

## Public Policy (Policy Informatics), MPP (PPPUPPIMPP)

**Online Degree Search Title:** Public Policy (Policy Informatics), MPP

**Campus:** Downtown Phoenix

### Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and about applying these skills to real-world issues --- especially to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety.

The program trains people capable of leading by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students will also be able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The Master of Public Policy program with a concentration in policy informatics provides the knowledge and skills for students who seek careers that will require them to use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions and explore new governance infrastructures. This concentration emphasizes theories and research concerning decision-making, complexity theory and visualization of quantitative and qualitative information, collective intelligence, behavioral economics and persuasive technologies.

The concentration combines mastery of advanced methods for processing information with domain expertise that will help humans understand complex social phenomena and achieve goals within public and governance applications. The program's design responds to the need for professionals with domain knowledge who can take a problem-driven, system-level, user-oriented perspective in developing and applying informatics systems to address societal and governance needs.

### Degree Requirements:

42 credit hours including the required capstone course (PAF 509/PAF 579).

Required Core (27 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

PAF 573 Applied Econometrics (3)

PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (9 credit hours)

PAF 591 Topic: Complexity in Public Policy and Management (3)

PAF 591 Topic: e-Public Administration (3)

PAF 591 Topic: Introduction to Policy Informatics (3)

Restricted Electives (3 credit hours)



Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3) or

PAF 579 Public Policy Capstone (3)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related field, from a regionally accredited institution. Related fields include political science, planning, business, urban and metropolitan studies as well as other social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Additional requirements for international students are at <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Application fees increase after deadline; students should see <https://admission.asu.edu/graduate/apply> (<https://admission.asu.edu/graduate/apply>).

Students should contact the School of Public Affairs at 602-496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) with any questions about the application process.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs  
https://spa.asu.edu/mpp  
UCENT 400  
spa@asu.edu  
602-496-0450

## Public Policy (Science and Technology Policy), MPP (PPPUPSTMPP)

**Online Degree Search Title:** Public Policy (Science and Technology Policy), MPP

**Campus:** Downtown Phoenix, Tempe

### Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and about applying these skills to real-world issues --- especially to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students will also be able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The Master of Public Policy program with a concentration in science and technology policy provides knowledge and skills for students seeking or advancing careers in areas where science and technology are guided by public policy or where science and technology play an integral role in the policy process. This concentration emphasizes theories and research concerning the role of science in decision-making, complexity theory, institutional design of knowledge production organizations, national innovation systems, innovation and industrial policy, technology transfer and research evaluation.

### Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (27 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

PAF 570 Microeconomics of Public Policy II (3)

PAF 573 Applied Econometrics (3)

PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (6 credit hours)

HSD 501 Science and Technology Policy (3)

PAF 591 Topic: Innovation Policy (3)

Restricted Electives (6 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3) or

PAF 579 Public Policy Capstone (3)

#### Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007)
- three letters of recommendation
- written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Additional requirements for international students are at <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

Applicants may also submit a resume or other documents.

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages and describe the applicant's educational and career goals. The written statement is also used as a sample of the applicant's writing abilities.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Policy (Urban Policy), MPP (PPPUPUPMPP)

**Online Degree Search Title:** Public Policy (Urban Policy), MPP

**Campus:** Downtown Phoenix

**Program Description:**

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and about applying these skills to real-world issues --- especially to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students will also be able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The Master of Public Policy program with a concentration in urban policy provides knowledge and skills for students seeking or advancing careers in areas in which urban dynamics and local governance play an integral role in the policy process. This concentration's program emphasizes theories and research concerning urban policy analysis and economics as well as urban management, urban city government, public budgeting and finance in an urban context.

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (27 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

PAF 570 Microeconomics of Public Policy II (3)

PAF 573 Applied Econometrics (3)

PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (6 credit hours)

PAF 506 Public Budgeting and Finance (3)

PAF 544 Urban Policy (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3) or

PAF 579 Public Policy Capstone (3)

Additional Curriculum Information

Students choose two courses from ESS 510, PAF 534, PAF 571, PUP 525 or an internship as approved by the academic unit for the electives or research credits. Internship must be 584 course number.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided they meet the minimum requirements for the degree program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- written statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages and describe the applicant's educational and career goals.

The following entry-level competencies are needed for admission to the program: an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Students may also satisfy the American national government competency by receiving a passing exam score in American Government through the College-Level Examination Program.

Students can complete deficiency classes prior to admission to the program or within their first semester after admission. Courses taken to satisfy entry-level competencies cannot be used toward the completion of the Master of Public Policy degree.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpp>  
UCENT 400  
spa@asu.edu  
602-496-0450

**Public Safety Leadership & Administration (Emergency Medical Services-Mobile Integrated Healthcare), MPSLA (PPPSEMMPSL)**

**Online Degree Search Title:** Public Safety Leadership and Administration (EMS - Mobile Integrated Health Care), MPSLA

**Campus:** Online

**Program Description:**

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions --- a practical understanding of public safety organization administration. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

The emergency medical services--mobile integrated health care concentration provides the foundations for leadership and administration of EMS organizations. This program takes a multi-professional approach to administration of EMS organizations and encompasses public policy and administration, organizational management and leadership, finance and data analysis. Students develop a platform of knowledge and skills to build a solid foundation for success within the field of EMS administration.

**Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (15 credit hours)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Concentration (9 credit hours)

CPP 540 Foundations of Emergency Medical Services (3)

CPP 550 Community Paramedicine: Mobile Integrated Health Care (3)

HCD 502 Health Care Systems and Design (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students choose two courses from a restricted list or any graduate-level CPP or PAF course, with program approval, for the electives or research credits.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited college or university.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement, at least one page in length, should describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the Academic Catalog Archive 2019-2020

program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-emergency/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/public-safety-leadership-administration-mpsla>  
CHASE 3300  
pubserv\_grad@asu.edu  
602-496-1019

## Public Safety Leadership and Administration, MPSLA (PPPSLAMPSL)

**Online Degree Search Title:** Master of Public Safety Leadership and Administration, MPSLA

**Campus:** Online

**Program Description:**

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is increasingly important for career progression within public safety administration. Those with an advanced degree have an advantage as they seek to advance in their professions: a practical understanding of public safety organization administration. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in private sector organizations.

**Degree Requirements:**

30 credit hours including the required capstone course (PAF 509 or CRJ 505), or 33 credit hours including the required applied project (PAF 593 or CPP 593).

Required Core (15 credit hours)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students should see the academic unit for approved elective course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, environmental sciences or geography, public health, or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- written statement
- two letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A written statement, at least one-page in length, which describes the applicant's educational and career goals and long-term professional development strategy is required.

There are no required admission examinations.

Current employment in an organization in this field or at least two years of prior professional experience in this or a related field or a bachelor's degree in a related area are required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-public-safety-leadership-and-administration/>)

#### Contact Information:

Public Service and Community Solutions, Watts College of  
 Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/public-safety-leadership-administration-mpsla>  
 CHASE 3300  
 pubserv\_grad@asu.edu  
 602-496-1019

## Public Safety Leadership and Administration (Executive Fire Administration), MPSLA (PPPSEFMPSL)

**Online Degree Search Title:** Public Safety Leadership and Administration (Executive Fire Administration), MPSLA

**Campus:** Online

#### Program Description:

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions --- a practical understanding of public safety organization administration. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

The executive fire administration concentration program prepares graduates to handle the challenges facing chief officers. With coursework in strategic planning, public policy and administration, leadership and organizational management, data analysis, finance and technology, students develop a platform of knowledge and skills to build a solid foundation for success within the field of executive fire administration.

#### Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (15 credit hours)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

PAF 507 Public Human Resource Management (3)



PAF 508 Organization Behavior (3)

Concentration (9 credit hours)

CPP 530 Leadership for Innovation in Public Fire Services (3)

CPP 560 Emergency Services Operations Analysis and Planning (3)

PAF 560 Community Resilience (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students choose two courses from a restricted list or any graduate-level CPP or PAF course, with program approval, for the electives or research credits.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement, at least one page in length, should describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-executive-fire/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/public-safety-leadership-administration-mpspla>  
CHASE 3300  
pubserv\_grad@asu.edu  
602-496-1019

## Public Safety Leadership and Administration (Executive Police Administration), MPSLA (PPPSEPMPSL)

**Online Degree Search Title:** Public Safety Leadership and Administration (Executive Police Administration), MPSLA

**Campus:** Online

### Program Description:

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions: a practical understanding of public safety organization administration. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

The executive police administration concentration provides law enforcement professionals with the highly specialized knowledge and practical skills required to rise to leadership positions in a 21st-century law enforcement organization. This program enhances the leadership, management and administrative skills, knowledge and ability of present and future senior and mid-level managers and addresses the critical areas in the management of a contemporary law enforcement agency.

### Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (15 credit hours)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Concentration (12 credit hours)

CRJ 501 Seminar in Criminal Justice (3)

CRJ 510 Criminal Justice Planning and Program Evaluation (3)

CRJ 516 Seminar in Criminal Justice Organization and Management (3)

CRJ 518 Seminar on Race/Ethnicity, Crime and Justice (3)

Electives or Research (3 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students choose one course from a restricted list or any graduate-level CPP, CRJ or PAF course, with program approval, for the electives or research credit.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement, at least one page in length, should describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-executive-police/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
 Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/public-safety-leadership-administration-mpsia>  
 CHASE 3300  
 pubserv\_grad@asu.edu  
 602-496-1019

## Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)

**Online Degree Search Title:** Social Entrepreneurship and Community Development (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The social entrepreneurship and community development graduate certificate program provides a framework for harnessing entrepreneurial and enterprise opportunities and creating transformative responses to challenges prevalent in communities and society. The program combines social entrepreneurship with community and social innovation, providing a basis for exploring capacity building and fostering positive change for organizations, communities and societies.

The certificate is designed for students studying nonprofit leadership and management, social entrepreneurship, public policy, innovation and related fields across disciplines.

**Degree Requirements:**

15 credit hours..

Required Core (9 credit hours)

NLM 520 Financial and Resource Management (3)

NLM 562 Social Entrepreneurship (3)

NLM 572 Community and Social Innovations (3)

Electives (6 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application.and application fee

- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-social-entrepreneurship-community-development/>)

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
nonprofit@asu.edu  
602-496-0153

## Social Work, MSW (PPSWDMSW)

**Online Degree Search Title:** Social Work - Standard Program, MSW

**Campus:** Downtown Phoenix, Tucson, Online

#### Program Description:

The professional program leading to the MSW degree prepares social workers for advanced professional social work practice. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations, particularly in the American Southwest.

The Master of Social Work program is accredited by the Council on Social Work Education.

#### Concurrent Degrees:

This degree is also offered as concurrent degree program with:

Juris Doctor, JD

Public Administration - Downtown Phoenix, MPA

#### Degree Requirements:

45 credit hours and a portfolio, or 45 credit hours and a thesis, or 45 credit hours and an applied project (SWG 593), or 45 credit hours including the required capstone course (SWG 621), or 60 credit hours and a portfolio (MSW/MPA dual degree), or 60 credit hours and a thesis (MSW/MPA dual degree), or 60 credit hours and an applied project (SWG 593), or 60 credit hours including the required capstone course (SWG 621) (MSW/MPA dual degree).

Students begin the standard Master of Social Work program in the fall and they begin in the fall or spring for the online Master of Social Work program. The program may be completed within four semesters (full time) or six semesters (part time). It is a 45 to 60 credit hour program, including coursework and field instruction. It is divided into a foundation year (30 credit hours of core curriculum) taken by all students and a concentration year (30 credit hours).

The foundation year includes basic courses in direct practice, organizational and community change, social policy, human behavior and research.

In the second year, students pursue a concentration in one of the following:

- advanced direct practice
- advanced generalist
- policy, administration and community practice

Students who pursue the advanced direct practice concentration also select one of the following three specializations: children, youth and families; health, behavioral health; or public child welfare.

Students are required to complete two internships: a foundation field placement (480 hours) and a concentration field placement (480 hours) in a

different setting.

Culminating Events: The culminating events available to on-campus students are SWG 599 Thesis, SWG 593 Applied Project, SWG 621 Capstone course and the master's portfolio. The culminating events available to online students are SWG 593 Applied Project, SWG 621 Capstone course and the master's degree portfolio. The academic unit will advise and monitor the online campus students to ensure they choose the appropriate culminating event.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a closely related field from a regionally accredited institution. All applicants are required to have completed a course in human biology and a course in statistics before enrolling in the graduate program or before registering for SWG 519.

The School of Social Work requires one of the following:

- undergraduate degree with 30 credit hours in liberal arts courses at the undergraduate or graduate level
- Bachelor of Social Work from a Council on Social Work Education-accredited school of social work
- liberal arts undergraduate degree

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- signed standards of ethical and professional behavior form
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

Professional resume should include both work and volunteer experience in social service organizations. In order to be considered for possible admission, applicants who do not have work experience in social service organizations are required to have a minimum of 240 hours of volunteer experience in the social services over a six-month period in the five years immediately preceding application.

Guidelines for writing the statement of educational and career goals can be found at <https://socialwork.asu.edu/content/msw-application-proceduresmaterials> (<https://socialwork.asu.edu/content/msw-application-proceduresmaterials>).

Test scores from either the GRE or the Miller Analogies Test are required only if the applicant's junior and senior GPA was below a 3.20 (scale is 4.00 = "A").

Students should see the program website for application deadlines. Applicants admitted to the standard Master of Social Work degree program

begin classes in the fall, and applicants admitted to the online Master of Social Work degree program begin classes in the fall or the spring.

#### Part-time Program

Students are admitted each fall to a planned part-time program and for the Master of Social Work online degree program in the fall or spring. Students interested in this option must specifically apply to the part-time program and complete it in accordance with the plan developed to finish the degree in three years.

#### Transfer Credit

Upon recommendation of the admission committee, the first year of graduate study (up to 30 graduate credit hours) earned at another school of social work that is accredited by the Council on Social Work Education may be transferred and applied toward the Master of Social Work degree program at ASU. Under these circumstances, the student must complete the second full year of graduate study (at least 30 credit hours of graduate work) at ASU. Transfer work must have been completed within three years of the semester and year of admission to the Master of Social Work degree program at ASU with a grade of "B" (3.00 on a 4.00 scale) or better.

#### Exemption and Waiver Examinations

The number of hours required to complete the standard Master of Social Work program ranges from 45 to 60 credit hours. In addition to transferring in credit, per the recommendation of the School of Social Work director and the Master of Social Work coordinator, admitted students may meet requirements of up to 15 hours of credit toward the degree by exempting up to 15 hours of foundation coursework without examination or successfully completing examinations in SWG 501, SWG 502 or SWG 519. Students should note that, when applicable, the academic unit will provide a rationale for a student's exemption if the student is not from a Bachelor of Social Work program accredited by the Council on Social Work Education.

Concurrent degrees are currently unavailable for the online Master of Social Work degree program.

Students should contact the School of Social Work at (602) 496-0800 with any questions about the application process.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-social-work-social-work/>)

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu/content/academic-advising>  
UCENT 800  
mswadvising@asu.edu  
602-496-0800

## Social Work, PHD (PPSW2PHD)

**Online Degree Search Title:** Social Work, PhD

**Campus:** Downtown Phoenix

#### Program Description:

The purpose of the PhD program in social work is to train future social work scholars, a social work professional engaged in research, teaching and service.

Supplementary to the coursework, this doctoral program offers students opportunities to be actively involved in both research and teaching. Students benefit from the close mentorship of the committed faculty and regular partnerships with our many internal research centers and offices. Students also receive valuable opportunities to develop a teaching portfolio, positioning them to succeed in academic careers.

Graduates are prepared to enter careers in applied research that enhance human well-being, particularly among oppressed and vulnerable populations, and to educate the next generation of social workers.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Social Work Courses (12 credit hours)

Research Methods and Statistics (12 credit hours)

Directed Electives (9 credit hours)

Theory (3 credit hours)

Research (12 credit hours)

SWG 792 Research (12)

Culminating Experience (12 credit hours)

SWG 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. The doctoral program requires students to take a minimum of 36 course credit hours beyond the MSW in addition to the required 24 credit hours of research and dissertation; 84 credit hours are required beyond the bachelor's degree. Students may need to take additional coursework to achieve the competency requirements set by the program or set by their graduate supervisory committees.

Students develop their plan of study in consultation with the graduate supervisory committee. Required social work courses must be 700-level and approved by the doctoral program committee. Students should see the academic unit for approved course lists and other requirements for research methods and statistics courses, electives, and theory coursework.

Once the 36 minimum course credit hours are completed, students are required to register for 12 hours of SWG 792 Research before the defense of the prospectus and 12 hours of SWG 799 Dissertation after the prospectus defense. Students must be registered for at least one credit hour during the semester (including summer) when they do their dissertation proposal defense. At least one of the dissertation hours must be taken in the semester the student expects to defend his or her dissertation.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in social work or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- curriculum vitae or resume
- GRE scores
- personal statement
- three letters of reference
- required writing sample: social problem essay
- optional writing sample
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Admission to the doctoral program in the School of Social Work is based on the following criteria:

- an MSW from an accredited school of social work, preferably with two or more years of post-degree employment in human services
- experience in social work teaching or research and other scholarly activities
- experience with diverse populations
- goodness-of-fit with program goals
- good professional standing
- undergraduate and graduate GPA
- quality and extensiveness of social work experience
- research potential and creativity as demonstrated in requested essays and references
- scores of the GRE, with emphasis on verbal and analytic scores

Though an MSW is preferred, exceptions may be made for students with a BSW from an accredited school of social work and a master's degree in a related field and for students from countries without accreditation.

Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/application-and-admission> (<https://socialwork.asu.edu/content/application-and-admission>) under "PhD Application and Admission Information."

Applicants have the option of submitting a sample of their written work. Examples include a referred journal article, a class paper and a professional report such as one might write in an agency setting. The writing sample should illustrate the applicant's ability to succeed in the doctoral program. Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/application-and-admission> (<https://socialwork.asu.edu/content/application-and-admission>).

All required admission materials are submitted directly to Graduate Admission Services at <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>). Students should contact the School of Social Work at 602-496-0800 with any questions about the application process.

Students should see the program website for application deadlines.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
[social.work@asu.edu](mailto:social.work@asu.edu)  
602-496-0800

## Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)

**Online Degree Search Title:** Social Work - Advanced Standing - Direct Practice, MSW

**Campus:** Downtown Phoenix, Tucson

**Program Description:**

The professional program leading to the MSW program prepares social workers for advanced direct practice. The program is designed to prepare social workers who are capable of responding effectively to the needs of special populations in the American Southwest.

This program is located at the Downtown Phoenix campus and in Tucson. It is accredited by the Council on Social Work Education.

**Degree Requirements:**

39 credit hours and a thesis, or 39 credit hours including the required capstone course (SWG 621).

Summer Session Coursework (9 credit hours)

SWG 516 Social Work Skills Seminar (3)



SWG 598 ST: Advanced Standing Bridge Seminar I (3)

SWG 598 ST: Advanced Standing Bridge Seminar II (3)

Specialization (27 credit hours)

Children, Youth and Families

SWG 606 Assessment of Mental Disorders (3)

SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)

SWG 617 Advanced Social Work Practice with Children and Adolescents (3)

SWG 619 Practice-Oriented Research (3)

SWG 641 Advanced Practicum: Direct Practice I (3)

SWG 642 Advanced Practicum: Direct Practice II (3)

electives: Two electives must be from an approved list of electives. (9)

Health, Behavioral Health

SWG 603 Practice in Health/Behavioral Health Settings (3)

SWG 604 Advanced Social Work Practice in Health (3) or SWG 613 Advanced Social Work Practice in Behavioral Health (3)

SWG 606 Assessment of Mental Disorders (3)

SWG 619 Practice-Oriented Research (3)

SWG 641 Advanced Practicum: Direct Practice I (3)

SWG 642 Advanced Practicum: Direct Practice II (3)

electives: Two electives must be from an approved list of electives. (9)

Public Child Welfare

SWG 606 Assessment of Mental Disorders (3)

SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)

SWG 609 Advanced Social Work Practice with Child Welfare Families (3)

SWG 619 Practice-Oriented Research (3)

SWG 633 Child Welfare Services (3)

SWG 641 Advanced Practicum: Direct Practice I (3)

SWG 642 Advanced Practicum: Direct Practice II (3)

electives approved by Child Welfare Training Project staff (6)

Culminating Experience (3 credit hours)

SWG 621 Integrative Seminar (3)

Additional Curriculum Information

Students must start the program in summer, beginning with the first summer session, and complete three credit hours in each six-week summer  
Academic Catalog Archive 2019-2020

session and three credit hours during the eight-week session, for a total of nine credit hours. The seven credit hours of summer courses are offered in Phoenix only. The summer practicum is available in Tucson. The remainder of the program is completed within two semesters (full time).

Students complete their practicum during the fall and spring semesters and select one of three specializations: children, youth and families health; health, behavioral health; or public child welfare. Students must complete all requirements of the specialization selected.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program with at least a 3.20 GPA (scale is 4.00 = "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the MSW program. All applicants are required to have completed a course in human biology and a course in statistics before enrolling in the advanced standing program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor, or if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/msw-application-proceduresmaterials> (<https://socialwork.asu.edu/content/msw-application-proceduresmaterials>).

Applicants should see the program website for application deadlines. Applicants admitted to the advanced standing program begin classes in the summer.

For questions about the applications process, students should contact the School of Social Work at 602-496-0800.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu/content/academic-advising>  
UCENT 800  
mswadvising@asu.edu  
602-496-0800

## **Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)**

**Online Degree Search Title:** Social Work - Advanced Standing - (Planning, Administration and Community Practice), MSW

**Campus:** Downtown Phoenix, Tucson

#### **Program Description:**

The professional program leading to the MSW degree prepares social workers for leadership and effective practice in macro social work positions and to be capable of responding effectively to the needs of special populations in the American Southwest.

The curriculum is designed to provide students with knowledge, skill and practice opportunities in the areas of program planning and evaluation,

administration, policy analysis and advocacy, and community practice. The master's degree program is accredited by the Council on Social Work Education and is located at the Downtown Phoenix campus and in Tucson.

**Degree Requirements:**

39 credit hours and a portfolio, or 39 credit hours and a thesis.

Summer Session Coursework (9 credit hours)

SWG 516 Social Work Skills Seminar (3)

SWG 598 ST: Advanced Standing Bridge Seminar I (3)

SWG 598 ST: Advanced Standing Bridge Seminar II (3)

Planning, Administration and Community Practice (21 credit hours)

SWG 623 Program Evaluation (3)

SWG 632 Policy Practice (3)

SWG 643 Advanced Practicum: Planning, Social Work Administration and Community Practice I (3)

SWG 644 Advanced Practicum: Planning, Social Work Administration and Community Practice II (3)

SWG 681 Social Work Administration (3)

SWG 682 Community Participation Strategies (3)

SWG 685 Program Planning in Social Services (3)

Electives (9 credit hours)

Culminating Experience (0 or 6 credit hours)

SWG 599 Thesis (6) or

portfolio (0)

**Additional Curriculum Information**

Students must start the program in summer, beginning with the first summer session, and complete three credit hours in each six-week summer session and three credit hours during the eight-week session, for a total of nine credit hours. The remainder of the program is completed within two semesters (full time).

Students continue with their practicum during the fall and spring semesters. The culminating experience is a portfolio or thesis.

Electives may be selected from offerings at the School of Social Work or from courses offered through other departments with the approval of the MSW program coordinator. If the student chooses to complete a thesis for the culminating experience, only three credit hours of elective coursework is needed to reach the 39 credit hours required for the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program, with at least a 3.20 GPA (scale is 4.00 = "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the Master of Social Work program. All applicants are required to have completed a course in human biology and a course in statistics before enrollment in the advanced standing program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, from the applicant's supervisor.

Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/msw-application-proceduresmaterials> (<https://socialwork.asu.edu/content/msw-application-proceduresmaterials>).

Applicants should see the program website for application deadlines. Applicants admitted to the advanced standing program begin classes in the summer.

Students should contact the School of Social Work at 602-496-0800 with any questions about the application process.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu/content/academic-advising>  
UCENT 800  
mswadvising@asu.edu  
602-496-0800

## Social Work - Advanced Standing - Advanced Generalist, MSW (PPASWMSW)

**Online Degree Search Title:** Social Work - Advanced Standing - Advanced Generalist, MSW

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

#### Program Description:

The professional program leading to the MSW degree prepares social workers with the knowledge, skills and values to practice as advanced generalists. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The program is accredited by the Council on Social Work Education and is located at the Downtown Phoenix campus.

#### Degree Requirements:

39 credit hours and an applied project.

#### Summer Session Coursework

SWG 598 ST: Advanced Standing Bridge Seminar (3)

SWG 598 ST: Advanced Standing Bridge Seminar (3)

#### Advanced Generalist Coursework

SWG 598 ST: Advanced Social Work Practice and Ethics (3)

SWG 610 Advanced Social Work Practice III (3)

SWG 614 Advanced Generalist SW Practice IV (3)

SWG 632 Policy Practice (3)

SWG 645 The Professional Experience III (3)

SWG 646 The Professional Experience IV (3)

SWG 692 Research (3)

restricted electives from approved list (6)

Culminating Experience (3 credit hours)

SWG 693 Applied Project (3)

Additional Curriculum Information

Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each summer session, for a total of six hours. The remainder of the program can be completed within two semesters (full time) or four semesters (part time).

Students also complete one internship and an applied project.

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program with at least a 3.20 GPA (scale is 4.00 = "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the MSW program. All applicants are required to have completed a course in human biology and a course in statistics prior to enrollment in the advanced standing program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/msw-application-proceduresmaterials> (<https://socialwork.asu.edu/content/msw-application-proceduresmaterials>).

Applicants should see the program website for application deadlines, and they should contact the School of Social Work at 602-496-0800 with any questions about the application process.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
mswadvising@asu.edu  
602-496-0800

## Sustainable Tourism, MAS (PPSUSTMAS)

**Online Degree Search Title:** Sustainable Tourism, MAS

**Campus:** Online

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

### Program Description:

Students in the MAS degree program in sustainable tourism receive a comprehensive education with a focus on the environmental, economic and social aspects of tourism, equipping them with the skills necessary to create pioneering sustainable development solutions to the challenges facing tourism today. This holistic curriculum focuses on integrating all three pillars of sustainability into existing tourism theories and concepts. The program prepares future sustainable tourism professionals to meet the increasing demand for people trained in sustainability practices and the application of those practices in tourism. The program is offered by the School of Community Resources and Development.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Tourism Development and Management, BS
- Tourism Development and Management (Resort and Hotel Leadership), BS
- Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

31 credit hours including the required applied project course (TDM 593).

Required Core (24 credit hours)

- CRD 569 Advanced Tourism and Recreation Studies (3)
- TDM 520 Sustainable Thinking in Tourism I (3)
- TDM 521 Sustainable Thinking in Tourism II (3)
- TDM 530 Sustainable Tourism Destination Planning and Management I (3)
- TDM 531 Sustainable Tourism Destination Planning and Management II (3)
- TDM 540 Sustainable Food Management in Tourism (3)
- TDM 550 Managing the Sustainable Tourism Business (3)
- TDM 570 Sustainable Tourism (3)

Electives (3 credit hours)

Culminating Experience (4 credit hours)

- TDM 593 Applied Project (4)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as tourism, hospitality, sustainability, environmental studies, business, geography or planning from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- three letters of recommendation
- proof of English proficiency

#### Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The online application requires three letters of recommendation; these should be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics. Required are the names, email addresses, titles and organizations from whom the student will be requesting recommendations. The three recommenders will be emailed a link to complete an online recommendation form.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. ([https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-sustainable-tourism?utm\\_source=asu&utm\\_medium=degree-search&utm\\_campaign=asu](https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-sustainable-tourism?utm_source=asu&utm_medium=degree-search&utm_campaign=asu))

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/>  
UCENT 550  
scrd@asu.edu  
602-496-0550

## Sustainable Tourism, MST (PPSUSTMST)

**Online Degree Search Title:** Sustainable Tourism, MST

**Campus:** Online

#### Program Description:

Students in the MST program receive a comprehensive education with a focus on the environmental, economic and social aspects of tourism, equipping them with the skills necessary to create pioneering sustainable development solutions to the challenges facing tourism today. This holistic curriculum focuses on integrating all three pillars of sustainability into existing tourism theories and concepts.

The program prepares future sustainable tourism professionals to meet the increasing demand for people trained in sustainability practices and the application of those practices in tourism.

#### Degree Requirements:

31 credit hours including the required applied project course (TDM 593).

Required Core (24 credit hours)

CRD 569 Advanced Tourism and Recreation Studies (3)

TDM 520 Sustainable Thinking in Tourism I (3)

TDM 521 Sustainable Thinking in Tourism II (3)

TDM 530 Sustainable Tourism Destination Planning and Management I (3)

TDM 531 Sustainable Tourism Destination Planning and Management II (3)

TDM 540 Sustainable Food Management in Tourism (3)

TDM 550 Managing the Sustainable Tourism Business (3)

TDM 570 Sustainable Tourism (3)

Electives or Research (3 credit hours)

Culminating Experience (4 credit hours)

TDM 593 Applied Project (4)

#### Additional Curriculum Information

One elective or research course is selected from an approved list for three credit hours. Students should contact the academic unit for a list of possible courses. Other courses may be used with approval from the academic unit.

Students complete an applied project that may consist of a sustainable tourism development plan for a community, a thorough sustainability audit of a tourism business, or other project as approved by the faculty advisor.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as tourism, recreation, hospitality, business, geography or planning from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement..

Letters of recommendation should be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics. The names, email addresses, titles and organizations from whom the student will be requesting recommendations is also required.

A written professional statement describing the applicant's purpose in pursuing the master's degree will be submitted online. In addition, a current resume is required outlining previous professional activities.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-sustainable-tourism/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrd@asu.edu](mailto:scrd@asu.edu)

602-496-0550

## Sustainable Tourism (certificate), Certificate (PPSTGRCT)

**Online Degree Search Title:** Sustainable Tourism (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate in sustainable tourism, offered by the School of Community Resources and Development, is intended for professionals who work in or desire to work in the tourism industry. The program addresses the unique character of sustainability and sustainable practices in tourism development and management. Students interested in sustainable tourism management explore the practice of management and development of sustainable tourism businesses and destinations.

Students who complete the certificate gain knowledge in topics such as the integration of economic, social and environmental aspects of sustainability as it relates to tourism; conducting sustainability audits for destinations and businesses; community impacts of tourism; and sustainable destination and business planning and management.

The program allows graduates enhanced recognition and credentials in an area experiencing a great deal of interest and growth. Students in the program will be able to further their careers by obtaining advanced education specific to sustainability practices in tourism.

**Degree Requirements:**

18 credit hours.

Required Core (15 credit hours)

TDM 520 Sustainable Thinking in Tourism I (3)

TDM 521 Sustainable Thinking in Tourism II (3)



TDM 530 Sustainable Tourism Destination Planning and Management I (3)  
TDM 531 Sustainable Tourism Destination Planning and Management II (3)  
TDM 570 Sustainable Tourism (3)

Electives (3 credit hours, choose one)

TDM 540 Sustainable Food Management in Tourism (3)  
TDM 550 Managing the Sustainable Tourism Business (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Letters of recommendation must be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics, and the letters are to be submitted through the online application.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-sustainable-tourism/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/>  
UCENT 550  
scrd@asu.edu  
602-496-1056

## Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)

**Online Degree Search Title:** Trauma and Bereavement (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

There is a growing need in society for health care workers and clinicians to be better prepared to help clients and patients experiencing trauma. The School of Social Work graduate certificate program in trauma and bereavement prepares individuals to work in the field of death and dying as well as with trauma and bereavement in clinical, organizational and administrative settings. The program provides students with enhanced knowledge about grief responses and the effects of trauma. Students have opportunities to research an often under-explored topic while helping transform the sociopolitical management of grief, traumatic losses and end-of-life issues in contemporary society.

In addition to tuition and class fees, there is a \$500 one-time program fee.

**Degree Requirements:**

15 credit hours.

Required Core (12 credit hours)

SWG 577 Traumatic Death: Theory, Counseling and Practice (3)

SWG 612 Social Work with Groups (3)

SWG 626 Crisis Intervention and Short-Term Treatment (3)

Students select one of the following as part of the core:

SWG 541 Field Practicum I (3)

SWG 542 Field Practicum II (3)

SWG 641 Advanced Practicum: Direct Practice I (3)

SWG 642 Advanced Practicum: Direct Practice II (3)

SWG 645 The Professional Experience III (3)

SWG 646 The Professional Experience IV (3)

Electives (3 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in fields such as psychology, sociology and social work.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- School of Social Work certificate application
- three references
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement, resume, School of Social Work certificate application (available on the department website) and three references (forms available on the department webpage) should be submitted to the School of Social Work.

The personal statement must be two to four pages, doubled-spaced; additional guidelines are listed on the application.

No more than two certificate courses may be completed before applying for admission to the certificate program.

Students should see the program website for application deadlines.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work

## Sustainability, School of

### Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)

**Online Degree Search Title:** Complex Adaptive Systems Science (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe

#### Program Description:

Complex adaptive systems science is the study of interactive and dynamic systems that change over time, producing their own emergent properties. The complex adaptive systems science graduate certificate can be pursued along with any doctoral degree program at Arizona State University. Students in the certificate program pursue their chosen field of study while addressing complex global challenges.

The program aims to train the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give science better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Students pursuing the certificate must have a complex adaptive systems science faculty member on their supervisory committee.

#### Degree Requirements:

15 credit hours.

Required Core (12 credit hours)

Electives (3 credit hours)

Additional Curriculum Information

Students should contact the academic unit about appropriate coursework.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they are either enrolled in or accepted into an ASU doctoral degree program and they must be in good standing within the program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of intent
- letter of support from an ASU faculty member (for existing ASU students) or other faculty member (for incoming students)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Contact Information:**

Sustainability, School of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/complex-adaptive-systems-science-graduate-certificate/>  
WGHL 108

SOSGradSunDevil@asu.edu  
480-727-6963

## Environmental and Sustainability Economics (Certificate), Certificate (SUESECGRCT)

**Online Degree Search Title:** Environmental and Sustainability Economics (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe

**Program Description:**

The graduate certificate in environmental and sustainability economics provides training in the economic theory and methodological tools of environmental and resource economics. ERE provides an approach to evaluate the consequences, social benefits and costs of changes to markets and environmental policies.

The target audience for this certificate are master's and doctoral degree students in fields with a sustainability, environmental science or policy focus, including sustainability, public affairs, biology, environmental social science, applied mathematics and agribusiness --- where training in ERE may be complementary to research interests or career development.

Graduates of the certificate program are able to identify and evaluate the economic assumptions embedded in policy analyses and recommendations, critically evaluate the validity of publications in environmental and resource economics, apply economic modeling approaches to real-world cases, and utilize econometric techniques to generate predictions and test hypotheses using applied economic models.

**Degree Requirements:**

17 credit hours.

Required Core (5 credit hours)

SOS 512 Environmental and Resource Economics (3)

SOS 529 Research Seminar in Environmental and Sustainability Economics (2)

Electives (12 credit hours)

Additional Curriculum Information

Students choose one elective course in each of the following categories: microeconomic theory, statistical and econometric modeling, environmental and resource economics, and modeling and empirical methods.

Students should see the academic unit for a list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Prerequisite coursework: None. However, it is strongly recommended that students have at least one semester of calculus or the equivalent such as MAT 251 Calculus for Life Sciences, MAT 265 Calculus for Engineers or SOS 211 Calculus and Probability.

### Contact Information:

Sustainability, School of  
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<https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/environmental-and-sustainability-economics-certificate/>  
WGHL 108

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480-727-6963

## Food Policy and Sustainability Leadership (certificate), Certificate (SUFPSLGRCT)

**Online Degree Search Title:** Food Policy and Sustainability Leadership (Graduate Certificate)

**Campus:** Tempe

### Program Description:

The certificate program in food policy and sustainability leadership trains students in food policy, from understanding policy-making broadly to developing specific, master-level skills that allow them to effectively navigate legislative, budgetary and administrative governmental processes. This empowers students to grapple with real-life complexities and become effective agents of change. Students are exposed to contemporary food policy issues and are required to choose a food policy issue in which, with faculty assistance, they become an expert.

This certificate program allows students to self-schedule work with the exception of weekly calls with their professor, and also requires students to spend a week meeting with food producers in Arizona and a week meeting with policymakers in Washington D.C. Students will participate in research projects and professional presentations that contribute to food policy knowledge among sustainable food system advocates.

### Degree Requirements:

Required Core (12 credit hours)

SFS 560 Tools and Tactics for Food Policy Change (3)

SFS 561 Food and Farm Immersion Experience (2)

SFS 562 Managing Natural Resources for Food Production (3)

SFS 563 Applied Food Policy Immersion Experience (2)

SFS 564 American Agriculture in the Global Context (2)

Culminating Experience ( credit hours)

SFS 565 Organizational Leadership (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee

- official transcripts
- two letters of recommendation
- professional resume
- personal statement
- two years professional experience in food and agriculture
- Interview (in-person or virtual)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should not exceed 1,500 words, and it should describe a food policy issue of interest to the applicant and why the applicant thinks that engaging in policy is important as it relates to this issue.

#### Contact Information:

Sustainability, School of  
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<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/WGHL108>  
 WGHL 108  
 SOSGradSunDevil@asu.edu  
 480-727-6963

## Global Sustainability Science, MS (SUGSUSMS)

**Online Degree Search Title:** Global Sustainability Science, MS

**Campus:** Tempe

#### Program Description:

The MS in global sustainability science is a two-year collaborative degree program offered jointly by Arizona State University and Leuphana University of Luneburg, Germany. Students who participate in the program earn a Master of Science in global sustainability science from ASU and a Master of Science in global sustainability science from Leuphana University. Students from both universities collaborate throughout the program and spend one semester together at Leuphana in Luneburg as well as one semester together at ASU in Tempe, Arizona. The program culminates with a capstone project resulting in a publishable scientific journal article. Students have the opportunity to engage with sustainability problems and solutions in an international setting.

The program focuses on value-oriented and transformational aspects of sustainability, linking research with practical implementation of sustainability solutions. Project-based learning offers students opportunities to conduct their research on real-world sustainability solutions in collaboration with stakeholders and professionals. In addition, the program facilitates intercultural collaboration, which prepares graduates for working in internationally operating institutions and organizations.

#### Degree Requirements:

41 credit hours including Capstone Course SOS 596.

Required Core (17 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 511 Advanced Sustainability Problem Solving (3)

SOS 525 Social-Ecological-Technical Systems (SETS): Domains and Interfaces (3)

SOS 557 Global Sustainability Research Preparation (1)

SOS 558 Global Sustainability Research Project (3)

SOS 559 Global Sustainability Science Perspectives Seminar (1)

SOS 581 Synthesis for Sustainability Research (3)

Methods Elective (3 credit hours)

Open Electives (15 credit hours)

Culminating Experience (6 credit hours)

SOS 596 Capstone: Scientific Paper (6)

Additional Curriculum Information

Students should see the academic unit for elective coursework approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants not meeting the minimum GPA requirement may still be considered, although the School of Sustainability will require a GPA petition

References should be from educators (preferred) or professionals familiar with the applicant's experience and capability for graduate work. It is highly recommended that the recommendations are academic in nature and address the applicant's experience and potential for success in a graduate program; however, professional recommendations also are accepted. If possible, at least one recommendation should be academic in nature.

All applicants must upload a statement of intent when completing the online application. In no more than 600 words, applicants must explain the goals they intend to achieve through their program of study at the School of Sustainability. Applicants should describe how their background will contribute to their success in the program and how completion of the degree program will support their long-term career goals. Finally, applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their program of study and identify potential faculty advisors

GRE scores are required but may be waived for students already enrolled at Leuphana University of Luneburg.

**Contact Information:**

Sustainability, School of

School of Sustainability

[https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-science-global-sustainability-science-degree/WGHL 108](https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-science-global-sustainability-science-degree/WGHL%20108)

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## Sustainability, MA (SUSUSTMA)

**Online Degree Search Title:** Sustainability, MA

**Campus:** Tempe

**Program Description:**

The MA in sustainability is a research-oriented degree program that culminates with research writing, either a thesis or capstone in the form of a publishable scientific paper.

The program focuses on knowledge generation and designing new ways to address sustainability challenges and prepares students for designing and conducting transdisciplinary research. Although the graduate degree programs emphasize the integration of a broad range of expertise in student training, this master's degree program is best suited to students inclined toward social sciences, humanities, planning or related fields and who are interested in a career in research or academia.

Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop the academic and technical skills as well as the ethical insights that will help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels.

All program graduates possess an understanding of the need for a transdisciplinary approach to solving sustainability challenges, the ability to communicate their work to professionals in other disciplines and to policymakers and the general public, and the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems. They have the critical-thinking skills necessary for approaching sustainability challenges from a systems perspective, the skills needed to work effectively in interdisciplinary teams, and the technical skills required to formulate and solve problems at the appropriate scale.

Students can learn more about careers in sustainability and where graduates with a master's degree in sustainability are now employed by visiting <https://schoolofsustainability.asu.edu/careers/careers-in-sustainability/> (<https://schoolofsustainability.asu.edu/careers/careers-in-sustainability/>).

**Degree Requirements:**

37 credit hours and a thesis, or 37 credit hours including a capstone course (SOS 596).

Required Core (16 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 520 Research Design and Methods for Sustainability (3)

SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces (3)

SOS 581 Synthesis for Sustainability Research (3)

SOS 589 Community of Graduate Student Scholars (1)

Electives (15 credit hours)

methods (3)

normative dimensions of sustainability (3)

general electives (9)

Culminating Experience (6 credit hours)

SOS 596 Capstone: Scientific Paper (6) or

SOS 599 Thesis (6)



## Additional Curriculum Information

The taught-course element of the program will be evaluated through course-specific examinations, research papers or applied projects and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. Graduate College policies and procedures for fulfillment of degree requirements must also be met.

SOS 589 is a one credit course taken over four semesters, for four credit hours total.

Approved general electives prefixes include, but are not limited to, the following:

SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM, URB

### **Admission Requirements:**

Applicants must fulfill the requirements for both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program and describe how completion of the degree will support long-term career goals. The statement should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

### **Contact Information:**

Sustainability, School of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-arts/>

WGHL 108

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## **Sustainability, MS (SUSUSTMS)**

**Online Degree Search Title:** Sustainability, MS

**Campus:** Tempe

**Program Description:**

The MS program in sustainability is a research-oriented degree program that culminates with research writing, either a thesis or capstone in the form of a publishable scientific paper.

The program focuses on knowledge generation and designing new ways to address sustainability challenges and prepares students for designing and conducting transdisciplinary research. Although the graduate degree programs emphasize the integration of a broad range of expertise in student training, this master's degree program is best suited to students inclined toward natural sciences, economics, engineering or related fields, and who are interested in a career in research or academia.

Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop the academic and technical skills as well as the ethical insights that help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels.

All sustainability graduate students possess an understanding of the need for a transdisciplinary approach to solving sustainability challenges, the ability to communicate their work to professionals in other disciplines and to policymakers and the general public, and the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems. They apply critical-thinking skills to approach sustainability challenges from a systems perspective, the skills needed to work effectively in transdisciplinary teams, and the technical skills required to formulate and solve problems at the appropriate scale.

Interested students may learn more about careers in sustainability and where graduates of the Master of Science in sustainability are now employed here: <https://schoolofsustainability.asu.edu/careers/careers-in-sustainability> (<https://schoolofsustainability.asu.edu/careers/careers-in-sustainability>).

**Degree Requirements:**

37 credit hours and a thesis, or 37 credit hours including a capstone course (SOS 596).

Required Core (16 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 520 Research Design and Methods for Sustainability (3)

SOS 525 Social-Ecological-Technical Systems (SETS): Domains and Interfaces (3)

SOS 581 Synthesis for Sustainability Research (3)

SOS 589 Community of Graduate Student Scholars (1)

Electives (15 credit hours)

methods (3)

normative dimensions of sustainability (3)

general electives (9)

Culminating Experience (6 credit hours)

SOS 596 Capstone: Scientific Paper (6) or

SOS 599 Thesis (6)

Additional Curriculum Information

SOS 589 is taken over four semesters, for four credit hours total.

The taught-course element of the program is evaluated through course-specific examinations, research papers or applied projects and is considered to have been successfully completed if the student obtains a GPA of 3.25 (scale is 4.00 = "A") or higher. Graduate College policies and procedures for fulfillment of degree requirements also must be met.

Approved general electives prefixes include, but are not limited to, the following: SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM, and URB.

**Admission Requirements:**

Applicants must fulfill the requirements for both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program and describe how completion of the degree will support long-term career goals. The statement should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

**Contact Information:**

Sustainability, School of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-science/>

WGHL 108

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## Sustainability, PHD (SUSUSTPHD)

**Online Degree Search Title:** Sustainability, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in sustainability prepares students to become scientists and leaders in research and to investigate the urgent sustainability challenges of this century. The flexible, transdisciplinary nature of the program allows students to focus on problems of interest to them, drawing upon relevant knowledge from a variety of disciplines.

In addition to the common learning outcomes, students are able to conduct research on particular sustainability challenges using standard skills, including the capacity to identify problems; formulate and test hypotheses; use statistical, econometric and geographical information-system techniques to construct and analyze datasets; and build and apply models. They are able to lead others in the analysis and design of the built environment and institutions' policies, regulations and technologies to support sustainable development, and they are able to lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global levels. Students are able to understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial and temporal scales.

Graduates possess an advanced understanding of the dynamics of coupled socioecological systems and are able to lead others in research providing adaptive solutions to specific sustainability challenges. All sustainability graduate students possess an understanding of the need for a transdisciplinary approach to solving sustainability challenges, the ability to communicate their work to professionals in other disciplines and to policymakers and the general public, and the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems. They apply critical-thinking skills to approach sustainability challenges from a systems perspective, the skills needed to work effectively in transdisciplinary teams, and the technical skills to formulate and solve problems at the appropriate scale.

Interested students may learn more about careers in sustainability and where graduates of the doctorate in sustainability are now employed by visiting <https://schoolofsustainability.asu.edu/careers/careers-in-sustainability> (<https://schoolofsustainability.asu.edu/careers/careers-in-sustainability>).

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 520 Research Design and Methods for Sustainability (3)

Foundational Electives (15 credit hours)

Solutions Workshop Electives (6 credit hours)

Open Electives (33 credit hours)

Research (12 credit hours)

SOS 792 Research (12)

Culminating Experience (12 credit hours)

SOS 799 Dissertation (12)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit. Only six credit hours of 400-level coursework can be included in the plan of study.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is to be made up of appropriate electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. The school encourages applicants with diverse educational backgrounds and experiences that are relevant to the school's core objectives.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores

- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program; describe how completion of the degree will support long-term career goals; elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study; and, identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

#### Contact Information:

Sustainability, School of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/doctor-philosophy/>

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## Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD)

**Online Degree Search Title:** Sustainability (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

#### Program Description:

Complex adaptive systems science is the study of interactive and dynamic systems that change over time. The complex adaptive systems science concentration program under the PhD in sustainability trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems science perspective, to give better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

By broadly embedding an understanding of complex adaptive system-relevant approaches into the practice of normal science, students gain the ability to transform science. The program promotes the development and testing of more robust theories and sophisticated methods in a wider array of research settings. This is needed to develop a deeper understanding of the nature and dynamics of complex adaptive systems, grounded in concrete examples and applications.

The doctoral program in sustainability with a concentration in complex adaptive systems science is offered for students who have completed a bachelor's or master's degree program. The program prepares students to become scientists and leaders in research and to investigate the urgent sustainability challenges of this century.

Graduates will possess an understanding of the need for a transdisciplinary approach to solving sustainability challenges; the ability to communicate their work to professionals in other disciplines, to policymakers and to the general public; and the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems. Their critical-thinking skills will enable them to approach sustainability challenges from a systems perspective; they also will have the skills needed to work effectively in interdisciplinary teams and the technical skills to formulate and solve problems at the appropriate scale.

In addition to the common learning outcomes, graduates will be able to conduct research on particular sustainability challenges using standard skills, including the capacity to identify problems; formulate and test hypotheses; use statistical, econometric and geographical information system techniques to construct and analyze datasets; and build and apply models. They will be prepared to lead others in the analysis and design of the built environment and institutions' policies, regulations and technologies to support sustainable development and lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global levels. Graduates will understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial and temporal scales.

Students can learn more about careers in sustainability and where sustainability doctoral graduates are now employed by visiting [Academic Catalog Archive 2019-2020](#)

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 520 Research Design and Methods for Sustainability (3)

Foundational Electives (15 credit hours)

Solutions Workshop Electives (6 credit hours)

Open Electives (21 credit hours)

Concentration (12 credit hours)

CASS fundamentals (3)

mathematics of CASS (3)

modeling CASS (3)

application of CASS approaches (3)

Research (12 credit hours)

SOS 792 Research (12)

Culminating Experience (12 credit hours)

SOS 799 Dissertation (12)

Additional Curriculum Information

For open electives and concentration coursework, students should see the academic unit for the approved course list. Students should note that only six credit hours of 400-level coursework can be included on the plan of study.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the remaining coursework will be made up of appropriate electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. The school encourages applicants with diverse educational backgrounds and experiences that are relevant to the school's core objectives.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent

- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program, describe how completion of the degree will support the applicant's long-term career goals and explain why the applicant is applying to the School of Sustainability and, more specifically, the doctoral program with a complex adaptive systems science concentration. The statement of intent should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

#### Contact Information:

Sustainability, School of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/complex-adaptive-systems-science-concentration-phd-sustainability/>

WGHL 108

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## Sustainability Leadership, EMSL (SUEMSLEMSL)

**Online Degree Search Title:** Sustainability Leadership - Executive, EMSL

**Campus:** Tempe

#### Program Description:

The EMSL program prepares experienced professionals to significantly advance sustainability practices in the workplace. The Executive Master of Sustainability Leadership program equips graduates to lead institutional and cultural change.

The accelerated curriculum is designed specifically for the working professional and can be completed in one year through a combination of unique in-person experiences, including an international immersive; online course content; and a capstone project.

The degree program, which includes focus areas in leadership, strategy, communications and global context, is uniquely powerful because it is backed by the extensive knowledge base of the Julie Ann Wrigley Global Institute of Sustainability at ASU and the institute's more than 400 sustainability scientists and scholars and a host of world-class sustainability and leadership professionals.

#### Degree Requirements:

30 credit hours including the required capstone courses (EMS 515 and EMS 516).

Required Core (27 credit hours)

EMS 501 First Workshop and Orientation (1)

EMS 502 Global Context I (2)

EMS 503 Strategic Sustainability I (2)

EMS 504 Communications and Sustainability I (2)

EMS 505 Sustainability Leadership I (2)

EMS 506 Global Context II (2)

EMS 507 Strategic Sustainability II (2)

EMS 508 International Immersive (2)

EMS 509 Communications and Sustainability II (2)

EMS 510 Sustainability Leadership II (2)

EMS 511 Global Context III (2)

EMS 512 Strategic Sustainability III (2)

EMS 513 Communications and Sustainability III (2)

EMS 514 Sustainability Leadership III (2)

Culminating Experience (3 credit hours)

EMS 515 Capstone I (2)

EMS 516 Capstone II - Sustainability Leadership Workshop II (1)

Additional Curriculum Information

The curriculum for this program is focused around four principal themes: global context, strategy, communications and leadership. Students attend three in-person sessions --- two sessions at the ASU campus and one abroad (EMS 508).

**Admission Requirements:**

Applicants must fulfill the requirements for both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants to the program should be interested in and passionate about advancing sustainability in their organizations, either directly or indirectly. Successful candidates are expected to draw from and apply solutions to actual professional challenges and opportunities. Applicants should contact the program for more details if they are currently not employed.

Because this is an executive master's degree for experienced professionals, work and life experience may be taken into account in lieu of deficiencies from past bachelor's degree program experience. Applicants with GPAs less than 3.00 (scale is 4.00 = "A") may be admitted on a provisional status. Applicants should contact the program for more details if their GPA falls below the 3.00 requirement.

**Contact Information:**



Sustainability, School of  
School of Sustainability  
<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/executive-master-sustainability-leadership/>  
WGHL 108  
EMSL@asu.edu  
480-727-6963

## Sustainability Leadership, MSL (SUSUSLMSL)

**Online Degree Search Title:** Sustainability Leadership, MSL

**Campus:** Online

### Program Description:

The MSL program prepares professionals to advance social and environmental responsibility. The program teaches organizational leadership skills through the lens of sustainability. The Master of Sustainability Leadership program equips graduates to drive high-impact global sustainability results for their companies, organizations and communities.

The curriculum includes four synergistic thematic areas:

- communications and change management
- global context of sustainability
- leadership for sustainability
- and sustainability and strategy.

The program also includes opportunities for students to include electives that are related to their specific area of interest. Elective courses are offered that focus on the military, cities, climate, food systems and other thematic areas. Students also may choose to go on an approved study abroad trip to fulfill elective credits.

A sustainable future requires leaders who are able to integrate sustainability into existing institutions and new enterprises. A particular knowledge base and skill set is required to drive this kind of transformational change. Professionals with tools and skills learned in sustainability leadership, as opposed to other degree programs, are in a prime position to establish sustainability practices in any type of organization. Because sustainability is a relatively new field of study, professionals who are interested in this emerging field have often migrated into sustainability roles without formal training and education in sustainability practice.

This program is designed and delivered by people who have worked in and with companies making sustainability transitions and continue to be on the cutting edge of global sustainability leadership.

### Degree Requirements:

35 credit hours including the required Capstone Course Course (EMS 588).

Required Core (27 credit hours)

EMS 502 Global Context I (2)

EMS 503 Strategic Sustainability I (2)

EMS 504 Communications and Sustainability I (2)

EMS 505 Sustainability Leadership I (2)

EMS 506 Global Context II (2)

EMS 507 Strategic Sustainability II (2)

EMS 509 Communications and Sustainability II (2)

EMS 510 Sustainability Leadership II (2)

EMS 511 Global Context III (2)

EMS 512 Strategic Sustainability III (2)

EMS 513 Communications and Sustainability III (2)

EMS 514 Sustainability Leadership III (2)

EMS 586 Introduction to MSL Capstone (1)

EMS 587 MSL Capstone Preparation (1)

SOS 501 Foundations of Sustainability (1)

Focus Area Electives (6 credit hours)

Culminating Experience (2 credit hours)

EMS 588 MSL Capstone (2)

**Admission Requirements:**

Applicants must fulfill the requirements for both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. They should also have a minimum of three years of professional or organizational experience or the equivalent.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program. Applicants who have a GPA less than 3.00 may submit a statement describing contributing circumstances and reference personal experience to be considered for admission.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- resume or curriculum vitae
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Because sustainability explores ways to improve human well-being globally without threatening earth's life-supporting systems and because this program is designed to prepare decision-makers for the challenges ahead, for the statement of intent, applicants must explain in their own words (no more than 300 words per question) why sustainability is important to them, and they must describe a time in which they demonstrated leadership to enact positive change. Applicants must explain how they plan to apply the lessons they learn from this degree in the short term and long term. And, lastly, applicants must explain how they have prepared to manage and accommodate family, work and life balance while completing this program in two years.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-sustainability-leadership-sustainability-leadership/>)

**Contact Information:**

Sustainability, School of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-sustainability-leadership/>  
Academic Catalog Archive 2019-2020

## Sustainability Solutions, MSUS (SUSUSOMSUS)

**Online Degree Search Title:** Sustainability Solutions, MSUS

**Campus:** Tempe

### Program Description:

The MSUS program focuses on the application of established knowledge in sustainability and prepares students to develop solutions by working with stakeholders on sustainability challenges using a sustainability framework. The program is also designed to prepare students to apply sustainability principles and approaches to careers in a variety of fields, addressing complex human and environmental challenges. Graduates will have a knowledge base and skill set to bring sustainability solutions to corporate, government and NGO sectors. Students begin the program with a foundation in sustainability theory and methods, then are allowed to take electives in an area of interest.

A distinguishing element of the Master of Sustainability Solutions program is its applied approach and emphasis on solutions. This includes a course on managing sustainability projects as well as the capstone experience, in which students do an applied project in lieu of a thesis. Students are encouraged to apply sustainability principles and approaches to their chosen career field. They team up with a company, a government agency or a nongovernmental organization to develop a real-world sustainability solution. This practical experience perfectly positions graduates for today's competitive, knowledge-intensive job market.

Student can learn more about careers in sustainability and where Master of Sustainability Solutions graduates are now employed by visiting <https://schoolofsustainability.asu.edu/careers/careers-in-sustainability/> (<https://schoolofsustainability.asu.edu/careers/careers-in-sustainability/>).

### Concurrent Degrees:

This degree is also offered as concurrent degree program with:

- Legal Studies, MLS
- Master of Mass Communication, MMC
- Public Administration - Downtown Phoenix, MPA
- Public Policy, MPP
- Urban and Environmental Planning, MUEP

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Sustainability, BA
- Sustainability, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Degree Requirements:

33 credit hours including the applied project requirement of (SOS 593).

Required Core (6 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 511 Advanced Sustainability Problem Solving (3)

Other Requirements (18 credit hours)

SOS 531 Achieving Career Success in Sustainability (1)

SOS 582 Project Management for Sustainability (3)

foundational courses (9)

methods courses (5)

Focus Area Electives (6 credit hours)

Culminating Experience (3 credit hours)

## SOS 593 Applied Project (3)

### Additional Curriculum Information

MSUS students specialize in a focus area and take six credit hours of elective coursework related to that area, with approval by their academic advisor.

For a list of approved courses that may fulfill the methods and foundational requirements, students should see the academic unit. No more than six credit hours of 400-level coursework can be included in the plan of study.

The Graduate College policies and procedures for fulfillment of degree requirements must also be met.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

The statement of intent should not exceed 600 words and should explain the goals the applicant intends to achieve through the plan of study, describe how the applicant's background will contribute to success in the program, explain how completion of the degree will support long-term career goals, and elaborate on project ideas the applicant wishes to pursue as part of the program of study.

### Contact Information:

Sustainability, School of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-sustainability-solutions/>

WGHL 108

SOSGradSunDevil@asu.edu

480-727-6963

## Sustainable Energy, PHD (SUSUEPHD)

**Online Degree Search Title:** Sustainable Energy, PhD

**Campus:** Tempe

### Program Description:

American society struggles under the weight of its dependence on fossil fuels. As the global energy system is a complex, socio-technical system in which the technical and societal elements of producing and consuming energy have co-evolved into humanity's largest enterprise, educating the next generation of leaders in guiding society toward a sustainable energy future requires that future energy leaders can seamlessly navigate this very transdisciplinary landscape.

The PhD program in sustainable energy integrates perspectives from physical, biological, social and sustainability sciences in preparing students to address challenges in global energy systems. The core classes provide students from diverse backgrounds with foundational knowledge and skills related to current and emerging energy technologies and systems, economic analysis of energy systems, and social and policy dynamics of energy transitions. Elective classes allow students to develop more specialized methodological skills or topical knowledge.

Students can learn more about careers in sustainability and where graduates of sustainability doctoral programs are now employed by visiting <https://schoolofsustainability.asu.edu/careers/careers-in-sustainability/>. (<https://schoolofsustainability.asu.edu/careers/careers-in-sustainability/>)

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (18 credit hours)

SOS 571 Sustainable Energy I: Technologies and Systems (3)

SOS 572 Sustainable Energy II: Transitions (3)

SOS 573 Sustainable Energy III: Futures Analysis, Negotiation and Governance (3)

SOS 574 Sustainable Energy Analytics in Context (3)

SOS 575 Sustainable Energy Research Seminar (4)

SOS 589 Community of Graduate Student Scholars (2)

Electives or Research (12 credit hours)

Other Requirement (12 credit hours)

SOS 792 Research (12)

Culminating Experience (12 credit hours)

SOS 799 Dissertation (12)

Additional Curriculum Information

Students take SOS 575 in four different semester terms for 1 credit hour each term.

Students take SOS 589 in two different semester terms for 1 credit hour each term.

Electives can be chosen from applicable courses in the following areas based on the student's area of interest and approval from the committee: engineering of matter, transport and energy; sustainable engineering and the built environment; geographical sciences and urban planning; molecular sciences; life sciences; future of innovation in society; physics; and sustainability.

Other electives may be used with approval from the academic unit. Student electives are customizable based on the student's area of research.

Doctoral students are expected to include higher level courses (600 and 700 levels) as part of the elective and research coursework.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework will be made up of electives and research.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited

institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- GRE scores
- statement of intent
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The school encourages applicants with diverse educational backgrounds and experiences. Sample related fields include engineering, geography, urban planning, environmental science, physics, chemistry or planning for future innovations and societal changes.

All applicants must upload a statement of intent as part of the application process. In no more than 600 words, applicants must explain the goals they intend to achieve through their program of study at the School of Sustainability. Applicants should describe how their background will contribute to their success in the program and how completion of their degree will support their long-term career goals. Finally, applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their program of study and identify potential faculty advisors.

#### Contact Information:

Sustainability, School of

School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/doctor-philosophy-sustainable-energy/>

WGHL 108

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480-727-6963

## Teachers College, Mary Lou Fulton

### Advanced Analytics in Higher Education, Certificate (TEAAHEGRCT)

**Online Degree Search Title:** Advanced Analytics in Higher Education (Graduate Certificate)

**Campus:** Tempe, Online

#### Program Description:

The graduate certificate program in advanced analytics in higher education prepares professionals to conduct the advanced analytics needed to support data-driven decision-making in all academic and operational areas of higher and postsecondary education.

The coursework addresses the application of data mining, predictive analytics, sentiment analysis and data visualization techniques to higher education-specific problems with the goal of preparing individuals at all levels to use data in their decision-making processes. Through real-world projects using commonly used tools, students apply the knowledge and skills learned while gaining an understanding of the security and ethical considerations of analytics.

#### Degree Requirements:

15 credit hours.

Required Core (15 credit hours)

HED 603 Foundation of Data Analytics in Higher Education (1)

HED 604 Analytics Process and Technology in Higher Education (2)

HED 605 Data Management and Preparation for Higher Ed Analytics (3)

HED 606 Advanced Analytic Methods for Higher Education (3)

HED 607 Visualization and Presentation for Higher Education (3)

HED 608 Trends in Advanced Analytic Methods for Higher Education (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply if they have earned a minimum of a bachelor's degree (business, economics, education, psychology or equivalent) or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this certificate
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants are required to have at least one year working in an education-related field and have taken at least one graduate or undergraduate statistics course, finishing with a grade of "B" (scale is 4.00 = "A") or better.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-advanced-analytics-higher-education/>)

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu>

FAB S236

GraduateEducation@asu.edu

602-543-6358

## An Overview of Autism Spectrum Disorders (certificate), Certificate (EDSPEGRCA)

**Online Degree Search Title:** An Overview of Autism Spectrum Disorders (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate in an overview of autism spectrum disorders is ideal for educators, interventionists, paraprofessionals, psychologists, pathologists, behavior analysts and family members who want to enhance their preparation for working with children and adults affected with autism spectrum disorder.

The online program can benefit those interested in the fields of teaching, counseling, social work, speech pathology, various fields of therapy and any area that provides services to individuals on the autism spectrum.

Students can complete the graduate certificate within a two-year period while concurrently pursuing a graduate degree or they can complete it as a stand-alone certificate. Students interested in sitting for the national Board Certified Behavior Analyst exam should apply for the MA in special education with a concentration in applied behavior analysis or the applied behavior analysis graduate certificate, depending on interest and need.

**Degree Requirements:**

15 credit hours.

Required Core (12 credit hours)  
SPE 520 Verbal Behavior (3)  
SPE 521 Foundations of Autism Spectrum Disorders (3)  
SPE 531 Methods of Applied Behavior Analysis for Exceptional Populations (3)  
SPE 566 Applied Behavior Analysis in Inclusive Settings (3)

Culminating Experience (3 credit hours)  
SPE 580 Practicum (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/EDSPEGRCA/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/EDSPEGRCA/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-autism-spectrum-disorders/>)

**Contact Information:**

Teachers College, Mary Lou Fulton  
Educational Leadership & Innovation, Division  
<https://education.asu.edu>  
ED 118  
GraduateEducation@asu.edu  
602-543-6358

## Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)

**Online Degree Search Title:** Applied Behavior Analysis (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate program in applied behavior analysis pairs research and experience to prepare professionals to work with individuals with special learning and behavior needs using the principles of applied behavior analysis.

Applied projects and assignments allow students to focus on the population with which they plan to work, while gaining the knowledge and skills to use applied behavior analysis across various populations and settings. Graduates are well prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members across a variety of settings.

Mary Lou Fulton Teachers College offers university coursework verified by the Behavior Analyst Certification Board for students interested in sitting for the board-certified behavior analyst examination. Once certified, these professionals are equipped to meet diverse behavior needs and make a lasting difference in the community. The course sequence meets the Behavior Analyst Certification Board-required 270 classroom hours of graduate-level instruction aligned with the BCBA/BCaBA task list (fourth edition). BCBA supervision hours, required for certification, are arranged



and completed by the student separately from ASU coursework. Students seeking the master's degree as well as the verified university coursework for the BCBA exam should apply to the MA program in Special Education (Applied Behavior Analysis).

**Degree Requirements:**

21 credit hours.

Required Core (21 credit hours)

SPE 525 Measurement, data display, Interpretation and Experimental Design(3)

SPE 526 Concepts and Principles of Applied Behavior Analysis (3)

SPE 527 Behavior Analytic Assessment (3)

SPE 560 Behavior change Procedures: Implementing Interventions in Behavior Analysis (3)

SPE 562 Personnel Supervision and Organizational Behavior Management in Educational Settings (3)

SPE 563 Philosophical Foundations of Applied Behavior Analysis in Educational Settings (3)

SPE 567 Ethics of Applied Behavior Analysis

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TEABAGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TEABAGRCT/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-applied-behavior-analysis/>)

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu>

ED 118

GraduateEducation@asu.edu

602-543-6358

## Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)

**Online Degree Search Title:** Teaching and Learning, MEd

**Campus:** Online

ASU is not currently accepting applications for this program.

**Program Description:**

The MEd program in curriculum and instruction with a concentration in teaching and learning facilitates the development of advanced-level professional knowledge, skills and understanding through research and applied experiences. The program provides an avenue for developing skills in designing learning environments for students.

**Degree Requirements:**

30 credit hours including the required applied project course (SPE 593), or 30 credit hours including the required capstone course (SPE 597).

Students complete 30 credit hours in their focus area and a culminating project to be embedded within a course.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu>

ED 118

GraduateEducation@asu.edu

602-543-6358

## Curriculum and Instruction (Accomplished Teaching), MA (EDACCTCMA)

**Online Degree Search Title:** Accomplished Teaching, MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The MA in curriculum and instruction with an accomplished teaching concentration is designed for practicing educators who want to advance their expertise and be able to innovate not only in the classroom but also help their schools or other work settings to redesign education from a deep understanding of educational theory and practice. Students improve their understanding of student learning and assessment and they develop skills in conducting action research.

**Degree Requirements:**

30 credit hours including the required applied project course (DCI 593).

Required Core (15 credit hours)

Electives (12 credit hours)

Culminating Experience (3 credit hours)

DCI 593 Applied Project (3)

Additional Curriculum Information

Students should see the academic unit for an approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

Applicants whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can comment on the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu>

ED 118

[GraduateEducation@asu.edu](mailto:GraduateEducation@asu.edu)

602-543-6358

## Curriculum and Instruction (Applied Behavior Analysis), MEd (TEABAMED)

**Online Degree Search Title:** Curriculum and Instruction (Applied Behavior Analysis), MEd

**Campus:** Online

ASU is no longer accepting new students to this program. Students interested in an online applied behavior analysis program with coursework preapproved for the Board Certified Behavior Analyst examination should see the Special Education (Applied Behavior Analysis), MA (<https://webapp4-qa.asu.edu/programs/t5/majorinfo/ASU00/TESPEABAMA/graduate/false>).

**Program Description:**

The MEd in curriculum and instruction with a concentration in applied behavior analysis pairs research and experience to prepare professionals to use the principles of applied behavior analysis to work with individuals with special learning and behavior needs.

The coursework prepares students to use applied behavior analysis to address a variety of learning and behavior needs across a range of professions and settings. All courses are online, combining a range of resources and technologies to provide students the opportunity to interact directly with program faculty and classmates. Program graduates will be well-prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members across a variety of settings.

Mary Lou Fulton Teachers College offers university coursework preapproved by the Behavior Analyst Certification Board for students interested in sitting for the Board Certified Behavior Analyst examination. Professionals with this certification are equipped to meet diverse behavior needs and

make a lasting difference in the community. The course sequence meets the BACB-required 270 classroom hours of graduate-level instruction aligned with the fourth edition task list. BCBA supervision hours, required for certification, are arranged and completed by the student separately from ASU coursework. Students not seeking the master's degree but interested in only the preapproved university coursework for the BCBA exam may apply to the applied behavior analysis graduate certificate.

**Degree Requirements:**

30 credit hours including the required capstone course (SPE 597).

Concentration (24 credit hours)

Research (3 credit hours)

Culminating Experience (3 credit hours)

SPE 597 Capstone Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. ([https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-applied-behavior-analysis?utm\\_source=asu&utm\\_medium=degree-search&utm\\_campaign=asu](https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-applied-behavior-analysis?utm_source=asu&utm_medium=degree-search&utm_campaign=asu))

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu>

ED 118

GraduateEducation@asu.edu

602-543-6358

## Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED)

**Online Degree Search Title:** Curriculum and Instruction (Autism Spectrum Disorders), MEd

**Campus:** Online

**Program Description:**

The MEd in curriculum and instruction with a concentration in autism spectrum disorders equips individuals with specialized skills and knowledge to work effectively with children and adults affected with autism.

The steady rise in the number of those affected by autism has caused a public demand for professionals who are aware of the issues and needs facing these special individuals, their families and service providers. Program graduates will be well prepared to provide important services and care for individuals with autism spectrum disorders in a variety of roles, including as educators, interventionists, paraprofessionals, psychologists, speech pathologists, behavior analysts or family members.

Each student completes a practicum customized to individual interests and abilities. The program culminates with a capstone experience in which students demonstrate analysis and synthesis of material learned in the master's program and evidence of competency in the six Council for Exceptional Children autism standards.

Students interested in sitting for the national Board Certified Behavior Analyst exam should apply to the master's degree in special education, applied behavior analysis concentration or the applied behavior analysis graduate certificate, depending on interest and need.

**Degree Requirements:**

30 credit hours including the required capstone course (SPE 597).

Required Core (3 credit hours)

COE 501 Introduction to Research and Evaluation in Education (3)

Concentration (18 credit hours)

Electives (3 credit hours)

Other Requirements (3 credit hours)

SPE 580 Practicum (3)

Culminating Experience (3 credit hours)

SPE 597 Capstone (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-autism-spectrum-disorders/>)

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

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ED 118

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## Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)

**Online Degree Search Title:** Curriculum and Instruction (Early Childhood Education), MEd

**Campus:** Online

### Program Description:

The MEd program in curriculum and instruction, early childhood education concentration, prepares individuals to meet the educational, social and emotional needs of children from birth through age eight.

Through online coursework, applied activities and in-person clinical experiences, the program equips students with specialized skills and advanced knowledge in early childhood pedagogy, community collaboration, technology, administration, policy analysis and advocacy.

The master's degree is appropriate for students interested in learning about early childhood education research and working with infants and children in grades K-3. This track may be of interest to students who already have a teaching certificate and are interested in furthering their knowledge and skills or pursuing doctoral studies in the future.

A second option is the master's degree and Arizona certification in early childhood education track, which provides students with the coursework and practical experiences necessary to become licensed to teach children birth through grade three in the public schools. The track provides participants an institutional recommendation for a state of Arizona early childhood education certification (birth through age eight or through grade three) and the master's degree.

All courses are online, but clinical experiences are completed in person.

### Degree Requirements:

30 credit hours including the required applied project course (ECD 593).

Students in this program complete an applied project within their plan of study as a culminating experience.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-early-childhood-education/>)

### Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation  
https://education.asu.edu  
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602-543-6358

## Curriculum and Instruction (English as a Second Language), MA (EDESLMA)

**Online Degree Search Title:** English as a Second Language, MA

**Campus:** Online

### Program Description:

The MA in curriculum and instruction with an English as a second language concentration prepares students to teach English language learners in a variety of settings, including U.S. schools. The program caters to professionals with a wide range of roles, including both new and experienced teachers, administrators, policymakers and community workers. Graduate students gain strategies to assist their students in developing ESL skills in reading, writing and listening, and they learn how to involve community and families as partners.

The program covers topics such as assessing learners' language development and related strengths and challenges, different frameworks for understanding language acquisition, social aspects of language use, linguistics, literacies and supporting students and their families. Students leave the program with a historical perspective of English learners in the U.S. and on past and current policy toward ESL. Program faculty have worked with English learner students, have a good mix of elementary- and secondary-level foci and are advocates for ESL students.

The program provides coursework in English as a second language required for the endorsement from the Arizona Department of Education, but the content is not Arizona-specific. While the program is an excellent choice for teachers seeking to improve their preparation to work with English learners, it does not lead to teacher certification. There is no requirement that students entering the program hold a teaching certificate or seek to obtain one.

Note: This degree is not the same as the Master of Teaching English to Speakers of Other Languages that is offered through the English department.

### Degree Requirements:

30 credit hours including the required capstone course (BLE 597).

Required Core (3 credit hours)

COE 501 Introduction to Research and Evaluation in Education (3)

Concentration (24 credit hours)

Culminating Experience (3 credit hours)

BLE 597 Capstone (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can comment on the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-curriculum-and-instruction-english-second-language-esl/>)

**Contact Information:**

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## Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)

**Online Degree Search Title:** Gifted Education, MEd

**Campus:** Online

**Program Description:**

The MEd program in curriculum and instruction with a concentration in gifted education prepares teachers, school administrators, school psychologists, early interventionists and family members to work effectively with gifted children. Students gain the theory and pedagogy needed to identify and serve gifted children as well as the knowledge and skills required to develop and provide the most current instructional methods and services for their gifted students.

Graduates understand how to identify learning potential and address specific needs of gifted and talented students. They have an understanding of gifted students' unique affective and academic needs and know how to design and provide appropriately challenging, differentiated curriculum and instruction so that gifted students may develop their full potential. Graduates know how to develop a continuum of gifted programs and services, work with school administrators, teachers, school boards and parents and be able to advocate for gifted students at local and national levels.

The program is designed for public and private teachers in regular classrooms, honors classrooms and gifted programs and for school administrators and gifted program coordinators.

The program also provides the 12 credit hours of coursework in gifted education required for the gifted education (K-12) endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

**Degree Requirements:**

30 credit hours including the required capstone course (SPE 597).

Required Core (3 credit hours)

Concentration (21 credit hours)

Electives (3 credit hours)

Culminating Experience (3 credit hours)

SPE 597 Capstone Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation



- personal statement
- resume
- proof of English language proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-teaching-and-learning-gifted-elementary/>)

#### Contact Information:

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## Curriculum and Instruction (Literacy Education), MA (EDLANGMA)

**Online Degree Search Title:** Literacy Education, MA

**Campus:** Downtown Phoenix

ASU is not currently accepting application for this program.

#### Program Description:

Graduates from the literacy education program are leaders in literacy in a broad array of educational contexts --- wherever reading, writing, oral language and the visual arts are at play in both creation and use. Through the program, graduates learn how to think deeply about literacy theories, pedagogies and resources, through both a solid theoretical foundation of literacy and a foundational knowledge base addressing pedagogical and content knowledge.

Graduates learn how to support inclusive educational practices, critical-thinking skills and multiliteracies to face the challenges of a diverse and global society. Through the program, literacy leaders will learn how to use technology to encourage critical thinking and as a resource for teaching, assessment and inquiry. By the end of the program, graduates are literacy leaders who inquire into their own instructional approaches, analyze resources available for literacy instruction, and critically examine the environments and learning experiences constructed in their context.

#### Degree Requirements:

30 credit hours and a written comprehensive exam.

Required Core (9 credit hours)

Culminating Experience (0 credit hours)  
 written comprehensive exam

#### Additional Curriculum Information

Students should see the academic unit for an approved course list.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

#### Contact Information:

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## Educational Leadership, MEd (EDSUPVMED)

**Online Degree Search Title:** Educational Leadership, MEd

**Campus:** Polytechnic, West

ASU is not currently accepting applications for the core degree. Students interested in the principal preparation program leading to Arizona principal certification should see the Educational Leadership (Principalship), MEd (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEPRINMED/graduate/false>).

#### Program Description:

The MEd program in educational leadership is designed for individuals who believe in the power of education to transform children's lives and who aspire to school leadership positions as administrators or other leadership roles in K-12 settings. This rigorous, standards-based leadership preparation program provides students with the knowledge and expertise to become transformative administrators or teacher leaders with deep and unwavering commitment to providing excellent and equitable educational opportunities for all students.

This program equips students with the skills to facilitate school-level and systemic change; create and sustain a culture of innovation and collaboration; successfully lead curriculum development; interpret and use data to support student success; provide effective feedback, support and evaluation for teachers; build a community network of support for students and schools; and ensure equitable and excellent educational opportunities and support for all students.

The master's degree program in educational leadership is designed to prepare teachers to meet Arizona requirements for principal certification. Students seeking certification in a state other than Arizona should contact their state department of education to determine the principal certification requirements prior to applying.

#### Degree Requirements:

36 credit hours including the required applied project (EDA 593).

##### Required Core (27 credit hours)

EDA 501 Competency/Performance in Educational Administration (3)

EDA 505 American Education System (3)

EDA 511 School Law (3)

EDA 514 Leadership in Curriculum and Assessment (3)

EDA 526 Instructional Supervision (3)

EDA 548 School, Family and Community Connections (3)

EDA 572 School Finance and Human Resources (3)

EDA 578 Critical Issues in Educational Leadership (3)

EDA 634 Instructional Leadership (3)

##### Other Requirement (6 credit hours)

EDA 584 Internship (3)

EDA 684 Internship (3)

Culminating Experience (3 credit hours)

EDA 593 Applied Project (3)

#### Additional Curriculum Information

The 15-month, standards-based leadership development program begins with a three-week summer intensive that immerses the cohort in a simulated school experience during which students engage in required coursework in a hybrid format. Learning continues during the school year with a blend of web-based and face-to-face courses taken at an ASU campus, including set meetings each semester wherein students visit schools and participate in instructional rounds. All students participate in a two-semester, school-based internship that provides the opportunity to apply new learning and research in a K-12 setting. The program concludes with a two-week summer intensive during which the cohort meets together and engages with coursework in a hybrid format.

Students must be employed in a school-based position or have access to an ASU- and district-approved school placement that will serve as the laboratory of practice for applying the concepts, principles and leadership approaches learned through the coursework.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and have at least two years of pre-K through grade 12 teaching experience as a teacher of record.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

#### Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

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## Educational Leadership (Principalship), MEd (TEPRINMED)

**Online Degree Search Title:** Educational Leadership (Principalship), MEd

**Campus:** Polytechnic, West, Online

#### Program Description:

The MEd program in educational leadership with a concentration in principal preparation is designed for individuals who believe in the power of education to transform children's lives and who aspire to school leadership positions as administrators or in other leadership roles in K-12 settings. This rigorous, standards-based leadership preparation program provides students with the knowledge and expertise to become transformative administrators or teacher leaders with a deep and unwavering commitment to providing excellent and equitable educational opportunities for all students.

This program equips students with the skills to facilitate school-level and systemic change; create and sustain a culture of innovation and collaboration; successfully lead curriculum development; interpret and use data to support student success; provide effective feedback, support and

evaluation for teachers; build a community network of support for students and schools; and ensure equitable and excellent educational opportunities and support for all students.

The master's degree program in educational leadership is designed to prepare teachers to meet Arizona requirements for principal certification. Students seeking certification in a state other than Arizona should contact their state department of education to determine the principal certification requirements prior to applying.

**Degree Requirements:**

36 credit hours including an applied project (EDA 593).

Required Core (27 credit hours)

EDA 501 Competency/Performance in Educational Administration (3)

EDA 505 American Education System (3)

EDA 511 School Law (3)

EDA 514 Leadership in Curriculum and Assessment (3)

EDA 526 Instructional Supervision (3)

EDA 548 School, Family and Community Connections (3)

EDA 572 School Finance and Human Resources (3)

EDA 578 Critical Issues in Educational Leadership (3)

EDA 634 Instructional Leadership (3)

Other Requirement (6 credit hours)

EDA 584 Internship (3)

EDA 684 Internship (3)

Culminating Experience (3 credit hours)

EDA 593 Applied Project (3)

Additional Curriculum Information

All students participate in a two-semester, school-based internship that provides the opportunity to apply new learning and research in a K-12 setting. Students must be employed in a school-based position or have access to an ASU- and district-approved school placement that will serve as the laboratory of practice for applying the concepts, principles and leadership approaches learned through the coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and have at least two years of pre-K through grade 12 teaching experience as a teacher of record.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program, and one of the letters must be from a current immediate supervisor who is a principal, assistant principal or the equivalent.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the Academic Catalog Archive 2019-2020

program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-educational-leadership-principalship/>)

**Contact Information:**

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## Educational Policy, MA (EDSPFMA)

**Online Degree Search Title:** Educational Policy, MA

**Campus:** Tempe

**Program Description:**

The MA program in educational policy provides graduates with skills in education policy and applied data analysis. It is particularly well-suited for individuals whose current or prospective careers require the use and interpretation of data, such as overseeing assessments or conducting program evaluations. Classroom teachers and practicing educators in other contexts will gain a new perspective on their schools, classrooms and teaching with the skills they develop in this master's degree program.

The coursework will deepen students' understanding of research and policymaking, allow them to critically assess education programs and policies, and develop the skills they need to engage in data-driven decision-making. Courses address key issues in contemporary education policy, evaluating and synthesizing research literature, analyzing and interpreting data and conducting applied research projects. With the assistance of a faculty or academic advisor, students will also customize their elective courses in educational policy, research methods and areas of interest to enhance their knowledge and skills.

In the culminating experience in the final semester, students will design and execute an individual or group project that will utilize their new knowledge and research skills.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Educational Studies, BAE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including an applied project (EPA 593).

Required Core (15 credit hours)

EPA 532 Becoming an Informed Consumer of Education Research (3)

EPA 555 Translating Research for Education Change (3)

EPA 556 Data Analysis for Education Decisionmakers (3)

EPA 559 Systematic Inquiry for Problem Solving (3)

EPA 565 Critical Topics in Education Policy (3)

Restricted Elective or Research (12)

Culminating Experience (3 credit hours)

EPA 593 Applied Project (3)

Additional Curriculum Information

For electives or research, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Contact Information:**

Teachers College, Mary Lou Fulton  
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## Educational Policy and Evaluation, PHD (EDLDRSHPHD)

**Online Degree Search Title:** Educational Policy and Evaluation, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in educational policy and evaluation prepares scholars to conduct rigorous, high-impact and transdisciplinary research on education policy that advances the collective understanding of preK-20 and other educational environments.

Doctoral students in the educational policy and evaluation program engage in systematic analyses of education policies in a variety of settings, including schools, universities, research centers, government agencies and nongovernmental organizations.

The program emphasizes intensive training in the theory, methods and practice of education policy research and evaluation and an area of specialization supported by current faculty expertise.

Educational policy and evaluation students work closely with nationally and internationally recognized faculty members on collaborative and independent research projects that result in policy briefs, reports, scholarly articles and engagement in education policy. The program also provides opportunities for internships in applied settings and varied experiences in scholarly publishing.

Students are expected to engage in the doctoral program full time and are supported by Mary Lou Fulton Teachers College with funding renewable for four years with continued progress.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Of the 84 credit hours required for the degree, 54 must be earned at ASU and 24 of the ASU credit hours must be earned in research and dissertation courses. The coursework includes classes in policy analysis, research methods and an area of specialization. Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the 84 credit hours. In addition, a student may use up to 12 additional credit hours toward the doctorate if documentation is provided showing that those credit hours were not part of the master's degree. Students without a master's degree in a related discipline may transfer no more than 12 credit hours toward the degree.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- GRE scores
- an academic writing sample
- curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

There is no minimum requirement on the GRE scores.

**Contact Information:**

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## Educational Technology, MEd (EDTECHMED)

**Online Degree Search Title:** Learning Design and Technologies, MEd

**Campus:** Online

This program's name has changed effective Fall 2019. The previous name was Educational Technology.

**Program Description:**

The MEd in learning design and technologies emphasizes the design of learning technology environments, systems, applications and instructional materials for multiple learning contexts. The program prepares learning design and technology professionals for a variety of formal and informal settings in business, industry, museums, nonprofits, government organizations, and education, such as K-12 schools and colleges or universities.

Through projects that address real-world problems, students apply current research and learning theories, along with the use of emerging technologies, to the practice of learning and instructional design. All courses are online and combine a range of resources and technologies to facilitate direct interaction between students, program faculty and classmates. Program graduates are prepared with the knowledge and skills required to address real-world problems and emerging challenges through the process of learning design.

**Degree Requirements:**

30 credit hours including the required applied project course (EDT 593).

Required Core (24 credit hours)

- COE 501 Introduction to Research and Evaluation in Education (3)
- EDP 540 Learning Theories and Instructional Strategies (3)
- EDT 501 Foundations of Learning Design and Technologies (3)
- EDT 502 Design and Development of Instruction (3)
- EDT 503 Design of Effective Communications (3)
- EDT 504 Modalities of Learning (3)
- EDT 506 Evaluation of Learning Systems (3)
- EDT 523 Issues in Online and Distance Education (3)

Elective (3 credit hours)

Culminating Experience (3 credit hours)

- EDT 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-learning-design-technologies/>)

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu>

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602-543-6358

## Educational Technology, PHD (EDTECHPHD)

**Online Degree Search Title:** Educational Technology, PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The focus of the PhD program in educational technology is on the design, development and evaluation of instructional systems and on educational technology applications that support learning. The doctoral program emphasizes research using educational technology in applied settings.

The program prepares students for a variety of professional positions. Graduates are employed as faculty, educational technologists or instructional designers in universities, community colleges and schools or as training managers in corporate settings.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Courses (24 credit hours)

EDP 540 Learning Theories and Instructional Strategies (3)

EDP 552 Multiple Regression and Correlation Methods (3)

EDP 554 Analysis-of-Variance Methods (3)

EDT 501 Foundations of Learning Design and Technologies (3)

EDT 502 Design and Development of Instruction (3)

EDT 503 Design of Effective Communications (3)

EDT 504 Modalities of Learning (3)



EDT 506 Evaluation of Learning Systems (3)  
EDT 701 Research in Educational Technology (3)

Elective Courses (30 credit hours)

Students select a minimum of 30 credit hours of elective coursework in consultation with a faculty advisor or doctoral committee chair.

Practicum Hours (6 credit hours and research, below)

Students must earn at least 18 credit hours for practicum courses. Students will complete three different practica while in the program: instructional design (typically EDT 780 Practicum for three credit hours), teaching (typically EDT 680 Practicum for three credit hours), and a research practicum.

Research (12 credit hours)

Culminating Experience (12 credit hours)  
EDT 799 Dissertation (12)

### **Admission Requirements:**

Applicants must fulfill requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.20 cumulative GPA (scale is 4.00 = "A") in their first bachelor's degree program, or applicants must have a minimum of a 3.20 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three email addresses for professional recommendations
- personal statement
- resume
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The Mary Lou Fulton Teachers College requires a minimum score of 600 (paper-based) or 100 (Internet-based) on the TOEFL.

Scores of 500 or above on the verbal reasoning and quantitative reasoning sections of the GRE are required as well as a score of four or greater on the analytical writing section of the GRE

### **Contact Information:**

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## **Elementary Education (Teacher Certification), MEd (TEEEACLMED)**

**Online Degree Search Title:** Elementary Education (Teacher Certification), MEd

**Campus:** Downtown Phoenix, Tempe, West

### **Program Description:**

This program is for those who already have a bachelor's degree in any field and want to become licensed to teach grades 1-8.

The elementary education program builds strong connections between theory and practice through quality classroom instruction paired with extensive clinical experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Mary Lou Fulton Teachers College faculty actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further empowers our students to engage in their own research through the applied project coursework.

A series of clinical experiences or field placements are designed to assist our students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through our clinical framework provides our students with the support they need to become effective educators.

The MEd program in elementary education offers the following three options for students to earn a master's degree and Arizona teacher certification.

**Master's and Arizona Certification (MAC):** In this program, students take classes at an ASU campus two nights a week and are required to do a field experience one day per week for at least two semesters. During the last semester of the MAC program, students complete a full-time student teaching experience.

**Induction, Master's and Arizona Certification (InMAC):** This program features a partnership with Teach For America, various school districts and charter schools. The InMAC program provides an alternative pathway to teacher certification for full-time teachers on an intern teaching certificate. To qualify, individuals must secure a full-time teaching position. Participants take classes one night per week and must be continuously enrolled in apprentice teaching coursework.

In a limited number of cases, students take classes and complete all field experiences in a partner school district. This is a daytime program in which students take classes two to three days per week and complete three days of field experience. In their next-to-last semester, students complete a full-time student teaching experience.

### **Degree Requirements:**

33 credit hours including the required applied project course (EED 593).

Required Core (27 credit hours)

EDP 510 Psychology in Education (3)

EED 521 Instructional Planning for the Diverse Classroom (3)

EED 524 Social Studies Methods and Assessment (3)

EED 529 Science Methods and Assessment (3)

EED 537 Mathematics Methods and Assessment (3)

ELL 504 Instructional Design for Culturally and Linguistically Diverse Students (3)

RDG 531 Language and Literacy I (3)

RDG 532 Language and Literacy II (3)

SPE 524 Effective Classroom Behavior Management (3)

Other Requirement (3 credit hours)

EED 511 Curriculum Theory and Instructional Planning (3)

Culminating Experience (3 credit hours)

EED 593 Applied Project (3)

Additional Curriculum Information

With approval of the academic unit, an alternative course to EED 511 may fulfill this requirement.

The applied project is conducted in the student teaching or apprentice teaching school setting.

Students will need to take additional coursework for tracks leading to certification, and they should see the academic unit for the approved course listing.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement

- resume
- IVP fingerprint clearance card issued by the state of Arizona
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

#### Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

ED 118

GraduateEducation@asu.edu

602-543-6358

## English as a Second Language (Certificate), Certificate (TEESLGRCT)

**Online Degree Search Title:** English as a Second Language (Graduate Certificate)

**Campus:** Online

#### Program Description:

The graduate certificate in English as a second language prepares students to teach English language learners in a variety of settings, including U.S. schools. The program caters to a wide range of professionals, including new and experienced teachers, administrators, policymakers and community workers. Students of this program gain strategies to assist their students in developing skills in reading, writing and listening and involve the community and families as partners.

The program covers topics such as assessing learners' language development and related strengths and challenges, knowledge of different frameworks for understanding language acquisition, social aspects of language use, linguistics, literacies and supporting families. Students leave the program with a historical perspective of English learners in the U.S. and context of past and current policy toward ESL.

The program provides coursework in English as a second language required for the English as a second language endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

#### Degree Requirements:

18 credit hours.

Required Core (15 credit hours)

BLE 511 Introduction to Language Minority Education (3)

BLE 520 ESL for Children (3)

BLE 522 Literacy/Biliteracy Development (3)

BLE 529 Language Assessment and Evaluation of ESL/BLE Students (3)

BLE 561 Parent Involvement in Language Minority Education Programs (3)

Electives (3 credit hours)

BLE 535 Sociolinguistic Issues in Bilingual Education (3)

BLE 537 Language Structure Acquisition (3)

#### Additional Curriculum Information

Students choose either BLE 535 or BLE 537 as elective coursework.

There is no culminating experience required for the certificate program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, preferably in education or related field, from a

regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TEESLGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TEESLGRCT/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-english-second-language/>)

**Contact Information:**

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## Gifted Education (Certificate), Certificate (TEGEDGRCT)

**Online Degree Search Title:** Gifted Education (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate program in gifted education prepares teachers, school administrators, school psychologists, early interventionists and family members to work effectively with gifted children. The program provides students with the theory and pedagogy needed to identify and serve gifted children as well as the knowledge and skills required to develop and provide the most current instructional methods and services for their gifted students.

Graduates will understand how to identify learning potential and address specific needs of gifted and talented students. They will gain an understanding of gifted students' unique affective and academic needs and know how to design and provide appropriately challenging, differentiated curriculum and instruction so that gifted students may develop their full potential.

Graduates will know how to develop a continuum of gifted programs and services, work with school administrators, teachers, school boards and parents, and be able to advocate for gifted students at local and national levels.

The program also provides coursework in gifted education required for the gifted education (K-12) endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

**Degree Requirements:**

15 credit hours.

Required Core (12 credit hours)

SPE 585 Creativity: Foundations of Research and Development in Gifted Education (3)

SPE 586 Advising the Gifted Learner: Social and Emotional Needs (3)

SPE 587 Special Populations in Gifted Education (3)

SPE 588 The Gifted Learner: Foundations of Identification, Education and Development (3)

Electives (3 credit hours)

SPE 572 Testing and Measurement in Gifted Education: Methods (3)  
SPE 573 Differentiating Instruction for Gifted Learners: Teaching Methods (3)  
SPE 589 Teaching the Gifted Learner: Models, Methods and Programs (3)

#### Additional Curriculum Information

Students choose one course from SPE 572, SPE 573 or SPE 589 to complete the elective requirement.

There is no culminating experience required for this certificate program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, preferably in education or related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TEGEDGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TEGEDGRCT/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-gifted-education/>)

#### Contact Information:

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## Global Education, MEd (TEGLOEDMED)

**Online Degree Search Title:** Global Education, MEd

**Campus:** Online

#### Program Description:

The MEd program in global education prepares professionals working in the field of international education to identify, analyze and address contemporary problems that cross borders, cultures and disciplines in a variety of international educational settings. Graduates of the program will be able to design and improve innovative and sustainable practices to create systems that provide quality education for diverse populations, prepared leaders, teachers and applied researchers for those systems.

This program is directed at individuals currently working in or interested in international education more generally, especially those charged with the administration, planning and evaluation of educational programs and policies. The prospective applicant for this program seeks to gain a deeper understanding of the complex and dynamic relationship between global and local perspectives on systems of education, develop practical solutions for key challenges in those systems, and experience working collaboratively and imaginatively across disciplines.

#### Degree Requirements:

Required Core (6 credit hours)

GLE 501 Global Thinking in Education (3)

GLE 502 Inquiry in Global Education (3)

Electives or Research (21 credit hours)

Culminating Experience (3 credit hours)

GLE 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in global education, comparative education or other related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- professional resume
- proof of English proficiency

**Additional Application Information**

<An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must complete a personal statement that describes their background including the personal, educational and professional experiences that led them to apply to this program. Applicants should follow the specific prompt found in the application.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/global-education-med/>)

**Contact Information:**

Teachers College, Mary Lou Fulton  
Educational Leadership & Innovation, Division  
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480-965-5555

## Higher and Postsecondary Education, MEd (EDPOSTMED)

**Online Degree Search Title:** Higher and Postsecondary Education, MEd

**Campus:** Downtown Phoenix, Tempe

**Program Description:**

The MEd program in higher and postsecondary education is designed to facilitate the professional development of those who work in colleges and

universities in administrative roles as well as academic or student support positions.

The higher and postsecondary education program develops leaders who have a strong understanding of the theory and practice of higher education administration, possess the capacity to analyze issues confronting contemporary colleges and universities and apply expertise in designing innovative solutions in administrative decision-making. The goal of this program is to provide graduates with a better understanding of the challenges that face contemporary colleges and universities and to prepare them to succeed in environments that demand innovation, excellence, inclusion and collaboration. Students have the opportunity to make a local impact to support the success of higher education in the state of Arizona.

Coursework addresses a range of practice-focused topics in the field, including the following: the history of higher education in the United States; organizational characteristics of colleges and universities; important laws and policies pertaining to administrative practice in higher education; how colleges and universities are funded; how to successfully work with the diverse stakeholders in contemporary higher education; and how to collect and use data to improve decision-making.

This 30-credit hour, 10-course program is offered on a 7.5-week calendar in fall and spring semesters (six weeks in summer). Students may enroll part time or full time.

Most courses are offered in a hybrid format with 50 percent of the content delivered face-to-face (weekday evenings) and 50 percent delivered through independent or technology-supported learning experiences and fieldwork.

This program culminates with the creation and presentation of an applied project that demonstrates students' understanding of critical issues in higher education and how to collect and use data to improve their professional practice. The project is also designed to promote graduates' career advancement in higher and postsecondary education-related settings.

**Degree Requirements:**

30 credit hours including the required applied project course (HED 593).

Required Core (9 credit hours)

Foundation Courses (18 credit hours)

Culminating Experience (3 credit hours)

HED 593 Applied Project (3)

Addition Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can comment on the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Contact Information:**

Teachers College, Mary Lou Fulton  
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**Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)**

**Online Degree Search Title:** Institutional Research and Policy Analysis (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

People working in or with schools are increasingly being asked to interpret and make decisions based on data. The graduate certificate in institutional research and policy analysis provides participants with the training and skills in education policy and applied data analysis that allow them to critically assess education programs and policies and engage in data-driven decision-making. The program consists of courses in which students analyze data from real-world settings, including their own schools or organizations.

This certificate program allows students to glean insights from data that help them make effective decisions in classrooms, schools, districts and other organizations; present reliable and pertinent data to their colleagues and administrators; and develop analyses that can help them identify instructional changes aimed at improving student achievement.

**Degree Requirements:**

15 credit hours.

Required Courses (15 credit hours)

EPA 532 Becoming an Informed Consumer of Education Research (3)

EPA 555 Translating Research for Educational Change (3)

EPA 556 Data Analysis for Education Decision Makers (3)

EPA 559 Systematic Inquiry for Problem Solving (3)

EPA 565 Critical Topics in Education Policy (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/EDINSRESCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/EDINSRESCE/Gedt.pdf>).

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## Instructional Design and Performance Improvement (certificate), Certificate (EDEDTGRCT)

**Online Degree Search Title:** Instructional Design and Performance Improvement (Graduate Certificate)

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### Program Description:

Mary Lou Fulton Teachers College offers a graduate certificate in instructional design and performance improvement. The program focuses on how to facilitate learning and improve performance in a variety of settings and on design and development of instruction, instructional media design, development of computer-based instruction and trends in performance improvement.

Students can concurrently pursue the graduate certificate while enrolled in other graduate programs at ASU.

The graduate certificate includes a specific series of courses that will help a student achieve professional growth.

### Degree Requirements:

15 credit hours including the required capstone course (EDT 504).

Required Core (12 credit hours)

EDT 501 Foundations of Learning Design and Technology (3)

EDT 502 Design and Development of Instruction (3)

EDT 503 Design of Effective Communications (3)

EDT 507 Performance Improvement and Leadership (3)

Culminating Experience (3 credit hours)

EDT 504 Modalities of Learning (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/EDEDTGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/EDEDTGRCT/Gedt.pdf>).

### Contact Information:

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## Leadership and Innovation, EdD (TELINEDD)

**Online Degree Search Title:** Leadership and Innovation, EdD

**Campus:** West, Online

### Program Description:

The EdD program in leadership and innovation prepares scholarly practitioners and is designed for practicing educator-leaders who work in a range of settings who want to transform their practice and create better learning opportunities for students of all ages.

Students in the program begin as accomplished teachers, teacher leaders, principals, superintendents, higher education professionals or leaders in other educational contexts. Through coursework, students deepen their abilities to lead change and implement innovation in their local educational organizations. The program is not designed to prepare students for academic research-oriented tenure-track positions.

The cohort-based program focuses on research in action and includes required coursework and several options for advanced professional studies with a research core that deepens students' abilities to reflectively and critically think about problems of practice in one of the following contexts: preK-12 change leadership; higher education change leadership; or systems, professional and reimagined change leadership.

Differentiation among these contexts and students' interests occurs within the required coursework.

Students conduct multiple cycles of inquiry throughout the program and learn research within their own workplace and share their research at the end of each academic year through presentations in a public doctoral research conference.

Leader-scholar communities, formed at the end of the first year and consisting of five to seven students and one faculty member, meet regularly for the second and third years of the program to supply academic and personal support. Through LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Each student's LSC leader serves as the dissertation chair, along with two additional committee members who ultimately make up the doctoral committee.

Successful graduates make a commitment to continuing systematic study of their professional practice and sustaining innovation and leadership by making a positive difference in their local settings. The program aims to enable more thoughtful, intentional and informed leaders who are willing and able to implement and study continuous improvement.

The program makes a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, schools or other organizations, and local communities.

### Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

Research (9 credit hours)

Advanced Professional Studies (6 credit hours)

Directed Field-based Study (3 credit hours)

Participation in Leader-Scholar Communities (6 credit hours)

Dissertation (12 credit hours)

### Additional Curriculum Information

Students should see the academic unit for an approved course list.

Students register for required research and dissertation hours as part of the Leader-Scholar Communities requirement.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives to reach the required 84 credit hours.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- an academic writing sample
- curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reasons for seeking this degree, along with potential problems of practice to serve as a guide for applied research in the program.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/edd-leadership-and-innovation/>)

#### Contact Information:

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## Leadership and Innovation (Policy and Administration), EdD (TEINPAEDD)

**Online Degree Search Title:** Educational Leadership and Innovation (Policy/Admin), EdD

**Campus:** West

ASU is not currently accepting applications for this program.

#### Program Description:

The EdD in leadership and innovation program is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and "edupreneurs" or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.

Leader-Scholar Communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and make a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program will make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).

required core (15 credit hours)

research core (9 credit hours)

advanced professional studies (15 credit hours)

directed field-based study (3 credit hours)

participation in leader-scholar communities (6 credit hours)

dissertation (12 credit hours)

**Admission Requirements:**

The concentration in policy and administration under the EdD in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu>

ED 118

GraduateEducation@asu.edu

602-543-6358

## Leadership and Innovation (Teaching), EdD (TEINTEEDD)

**Online Degree Search Title:** Educational Leadership and Innovation (Teaching), EdD

**Campus:** West

ASU is not currently accepting applications for this program.

**Program Description:**

The EdD in leadership and innovation program is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and "edupreneurs" or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.

Leader-scholar communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and make a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to

implement and study change.

The program will make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).

professional core (15 credit hours)

research core (9 credit hours)

advanced professional studies (15 credit hours)

directed field-based study (3 credit hours)

participation in leader-scholar communities (6 credit hours)

dissertation (12 credit hours)

**Admission Requirements:**

The concentration in leadership of teaching innovation under the EdD in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu/>

ED 118

GraduateEducation@asu.edu

602-543-6358

## Learning Sciences, MA (EDPSYCHMA)

**Online Degree Search Title:** Learning Sciences, MA

**Campus:** Tempe

**Program Description:**

The MA in learning sciences proceeds from an understanding that learning happens in many places, not just in schools.

This program focuses on the power of design thinking to improve educational systems and provides students with a blend of theoretical insights and practical tools that will prepare them to shape learning environments and experiences. The systems-level approach includes cognitive, social and contextual factors and the interactions among them.

Graduates of the program will be equipped to design effective learning and teaching systems in a broad range of formal and informal settings that include museums, libraries, workplaces and schools and will be well-prepared to become leaders in the development, integration and improvement of these systems.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Educational Studies, BAE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (LSE 593), or 30 credit hours, a thesis and a written comprehensive exam.

Required Core (3 credit hours)

LSE 540 Theoretical Views of Learning in the Learning Sciences (3)

Electives or Research (21-24 credit hours)

Culminating Experience (3-6 credit hours)

LSE 593 Applied Project (3) or

LSE 599 Thesis (6)

Additional Curriculum Information

With advisor approval, EDP 540 may be taken in place of LSE 540 for the core requirement.

Students completing an applied project for their culminating experience will take 24 credit hours of electives or research courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Contact Information:**

Teachers College, Mary Lou Fulton  
Educational Leadership & Innovation, Division  
<https://education.asu.edu>  
ED 118  
GraduateEducation@asu.edu  
602-543-6358

## Learning, Literacies and Technologies, PHD (EDCIPHD)

**Online Degree Search Title:** Learning, Literacies and Technologies, PhD

**Campus:** Tempe

**Program Description:**

The PhD in learning, literacies and technologies is designed to prepare scholars who will address socially significant educational programs and transform preK-20 educational programs through rigorous research and educational interventions. Graduates rely on transdisciplinary theoretical and methodological perspectives to engage, influence and transform educational institutions and their practices.

The program graduates educational researchers who serve as scholars, leaders and teacher educators engaged in the design, development and

use of literacies and technologies that promote learning. Graduates are stewards of their educational field, working across disciplinary boundaries to address the learning challenges of the new millennium.

Students will begin engaging in research studies during their first semester and continue throughout the four-year program. Faculty with diverse disciplinary backgrounds collaborate with doctoral students, individually and in teams, to design powerful studies, implement them in authentic settings, collect and analyze data, write research reports, and present and publish the results.

Academic study and research in the learning, literacies and technologies program focuses on the nature of human learning and literacies across diverse learners and contexts, the use of technologies to support learning, the design of learning environments, and the conditions under which learning occurs.

As a future scholar, teacher educator or researcher, students will develop areas of emphasis with their faculty advisor and doctoral committee members to work at the cutting edges of educational science, leading the way to innovation and exploration of new technologies and literacies for learning.

Students are expected to engage in the doctoral program full time and are supported by Mary Lou Fulton Teachers College with funding renewable for four years with continued satisfactory progress.

**Degree Requirements:**

85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

core courses (13 credit hours)

specialization courses (12 credit hours)

elective or research courses (12 credit hours)

research (3 credit hours)

internship (3 credit hours)

dissertation (12 credit hours)

**Additional Curriculum Information**

When approved by the student's supervisory committee, this program allows 30 credit hours from a previously awarded master's degree to be used for this program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All Applicants must submit:

- graduate admission application and application fee
- GRE scores
- official transcripts
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- an academic writing sample

- curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no minimum required GRE scores.

#### Contact Information:

Teachers College, Mary Lou Fulton  
 Educational Leadership & Innovation, Division  
<https://education.asu.edu>  
 ED 118  
 GraduateEducation@asu.edu  
 602-543-6358

## Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)

**Online Degree Search Title:** Online Teaching for Grades K-12 (Graduate Certificate)

**Campus:** Tempe, Online

ASU is not currently accepting applications for this program.

#### Program Description:

This certificate program prepares educators to design systems for learning in a broad range of organizations and includes practical application of research on learning, design methods and organizational dynamics. Students who complete the certificate program are prepared to be effective members and leaders of teams who redesign education in pre K-20 and other settings.

#### Degree Requirements:

15 credit hours including the required capstone course (EDT 580).

The certificate requires five courses, each consisting of three credit hours. The culminating experience for this certificate program is an electronic portfolio that will be completed in EDT 580.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

Applicants should have at least one year of professional education experience.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TEEDTGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TEEDTGRCT/Gedt.pdf>).  
 Academic Catalog Archive 2019-2020



**Contact Information:**

Teachers College, Mary Lou Fulton  
Educational Leadership & Innovation, Division  
<https://education.asu.edu>  
ED 118  
GraduateEducation@asu.edu  
602-543-6358

## Physical Education, MPE (ECPHYEDMPE)

**Online Degree Search Title:** Physical Education, MPE

**Campus:** Polytechnic

**Program Description:**

The MPE program offers three options for students interested in gaining knowledge of current curriculum and instructional and administrative practices and procedures in physical education.

Emphasis is placed on improving instructional effectiveness and developing quality physical education programs in school settings as well as expanded physical activity programming beyond the physical education lessons within school environments. Students learn about designing, implementing and assessing Comprehensive School Physical Activity Programs. This type of programming reflects current global trends in promoting physical activity for children, youth, school staff and families in communities surrounding school campuses.

The Master of Physical Education degree program gives candidates the flexibility to design a plan of study that enhances their interests and professional specialization.

The Master of Physical Education pedagogy research track is appropriate for students interested in learning more about research on teaching in physical education settings. This track may be of interest to students who already have a teacher certificate in physical education and are interested in pursuing doctoral studies in the future.

The Master of Physical Education with a physical education endorsement (grades K-12) familiarizes students with the most current trends and issues in school physical education. Students can focus on numerous topics within elementary physical education, secondary physical education and adapted physical education. This track may be of interest to students with a teaching certificate in a different subject matter who are interested in a K-12 physical education endorsement.

The Master of Physical Education and Arizona certification in physical education program provides students with the coursework and practical experiences necessary to become certified to teach physical education in the public schools. The program provides participants an institutional recommendation for an Arizona secondary education (grades 6-12) certification with a physical education endorsement (grades K-12) and the Master of Physical Education degree.

**Degree Requirements:**

33 credit hours including the required applied project course (PPE 593) and a written comprehensive exam.

The Master of Physical Education degree program has three tracks.

Physical Education K-12 Teaching Track: (33 credit hours)

required core (24 credit hours)

electives (6 credit hours)

applied project (3 credit hours)

Physical Education Pedagogy Research Track: (33 credit hours)

required core (24 credit hours)

electives (6 credit hours)

applied project (3 credit hours)

Physical Education Initial Teacher Certification Track: (33 credit hours)\*

required core (24 credit hours)

electives (6 credit hours)

applied project (3 credit hours)

\*additional courses for certification

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.  
Academic Catalog Archive 2019-2020

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- IVP Fingerprint Clearance Card issued by the State of Arizona
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

SANCA 331

GraduateEducation@asu.edu

480-727-1103

## Secondary Education (Teacher Certification), MEd (TESCERTMED)

**Online Degree Search Title:** Secondary Education (Teacher Certification), MEd

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:**

This program is for those who want to become certified to teach grades 6-12 in the public schools and already have a bachelor's degree in any field.

ASU's secondary education program builds strong connections between theory and practice through quality classroom instruction paired with extensive clinical experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Mary Lou Fulton Teachers College faculty actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further empowers our students to engage in their own research through the culminating action research applied project.

A series of clinical experiences or field placements are designed to assist our students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through our clinical framework provides our students with the support they need to be successful in today's rapidly evolving educational environment.

The MEd program in secondary education with teacher certification offers two options for students to earn a master's degree and Arizona teacher certification.

In the Master's and Arizona Certification (MAC) program, students take classes at an ASU campus two nights a week and are required to do a field experience one day per week for at least two semesters. During the last semester of the program, students complete a full-time student teaching experience in their content area.

The Induction, Master's and Arizona Certification (InMAC) program provides an alternative pathway to teacher certification for full-time teachers on a teaching intern certificate. To qualify, individuals must secure a full-time teaching position. The InMAC program also features a partnership with Teach For America. Participants take classes one night per week. The InMAC program supports individuals teaching in elementary, secondary and special education classrooms through coursework and supervised clinical experiences.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Humanitarian Engineering), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including the required applied project course (SED 593).

Required Core (18 credit hours)

RDG 507 Content Area Literacy (3)

SED 501 Introduction to Effective Instruction (3)

SED 522 Secondary School Curriculum Development (3)

SED 544 Creating Classroom Climates (3)

SPE 555 Inclusive Practices for Diverse Learners (3)

TEL 505 American Educational Policy (3)

Track (12 credit hours)

Culminating Experience (3 credit hours)

SED 593 Applied Project (3)

Additional Curriculum Information

Students select one of the three tracks either in Masters and Arizona Certification (MAC) or Intern, Masters and Arizona Certification (InMAC). Students should see the academic unit for the list of courses required in each track option.

The applied project must be completed during student teaching or apprentice teaching.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation  
<https://education.asu.edu>  
ED 118  
GraduateEducation@asu.edu  
602-543-6358

## Special Education, MA (EDSPEDMA)

**Online Degree Search Title:** Special Education, MA

**Campus:** Tempe, Online

This program is not accepting applications at this time. Applicants interested in the MA in Special Education program should apply directly to the Applied Behavior Analysis concentration.

### Program Description:

Graduates from the MA program in special education will be able to design and deliver education and related services for populations with diverse needs. The skills developed through this degree program include systematic planning for all individuals, support of positive behavior, and advocacy for new, research-based approaches to education and related services.

### Degree Requirements:

Required Core (3 credit hours)

SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3) or

SPE 597 Capstone (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in education or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

### Contact Information:

Teachers College, Mary Lou Fulton  
Educational Leadership & Innovation, Division  
<https://education.asu.edu>  
FAB 200

## Special Education (Applied Behavior Analysis), MA (TESPEABAMA)

**Online Degree Search Title:** Special Education (Applied Behavior Analysis), MA

**Campus:** Online

### Program Description:

The MA program in special education with a concentration in applied behavior analysis combines research and experience to prepare professionals to use principles of ABA with individuals who have special learning and behavior needs. The coursework prepares students to use applied behavior analysis to address a variety of learning and behavior needs across a range of professions and settings. All courses are online, combining an assortment of resources and technologies to provide students the opportunity to interact directly with program faculty and classmates.

Program graduates will be well prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members across a variety of settings. Coursework is verified by the Behavior Analyst Certification Board for students interested in sitting for the Board Certified Behavior Analyst examination. BCBA supervision hours, required for certification, are arranged and completed by the student separately from ASU coursework.

### Degree Requirements:

30 credit hours and a Capstone Course (SPE 597), or 30 credit hours including a Applied Project (SPE 593).

Required Core (3 credit hours)

SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

Concentration (18 credit hours)

SPE 526 Concepts and Principles of Applied Behavior Analysis (3)

SPE 527 Behavior Analytic Assessment (3)

SPE 560 Behavior Change Procedures: Implementing Interventions in Behavior Analysis (3)

SPE 562 Personnel Supervision and Organizational Behavior Management in Educational Settings (3)

SPE 563 Philosophical Foundations of Applied Behavior Analysis in Educational Settings (3)

SPE 567 Ethics of Applied Behavior Analysis (3)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3)

SPE 597 Capstone (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field, from a regionally accredited institution. A degree in education or another field related to applied behavior analysis is preferred.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should demonstrate the applicant's goals with respect to the program outcomes and success in a graduate and online program. The statement should also demonstrate high-quality writing and awareness that the student understands the demands of graduate school.

Three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program are required for

admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-special-education-applied-behavior-analysis/>)

**Contact Information:**

Teachers College, Mary Lou Fulton  
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602-543-6358

## Special Education (Autism Spectrum Disorder), MA (TESPEASDMA)

**Online Degree Search Title:** Special Education (Autism Spectrum Disorders), MA

**Campus:** Online

**Program Description:**

The MA program in special education with a concentration in autism spectrum disorders equips individuals with specialized skills and knowledge necessary to work effectively with children and adults affected with ASD.

There is increasing demand for professionals who are aware of the issues and needs facing these special individuals, their families and service providers. Program graduates will be well-prepared to provide important services and care for individuals with ASD in a variety of roles, including as educators, interventionists, paraprofessionals, psychologists, speech pathologists, therapists or family members.

**Degree Requirements:**

Required Core (3 credit hours)

SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

Concentration (12 credit hours)

SPE 521 Foundations of Autism Spectrum Disorders (3)

SPE 540 Family-Centered Practices (3)

SPE 541 Consultation Frameworks and Issues (3)

SPE 566 Applied Behavior Analysis in Inclusive Settings (3)

Electives or Research (9 credit hours)

Other Requirement (3 credit hours)

SPE 680 Practicum (3)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3) or

SPE 597 Capstone (3)

Additional Curriculum Information

Each student completes a practicum customized to individual interests and abilities. For the culminating experience, students may elect to complete a capstone experience or applied project, based on personal and professional interest and need.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in education, psychology, or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The transcript must show the bachelor's degree already conferred. In-progress bachelor's degrees not accepted.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Teachers College, Mary Lou Fulton  
Educational Leadership & Innovation, Division  
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graduateeducation@asu.edu  
602-543-6358

## Special Education (Teacher Certification), MEd (TESECRTMED)

**Online Degree Search Title:** Special Education (Teacher Certification), MEd

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:**

This program is for those seeking Arizona teacher certification in special education. The special education program builds strong connections between theory and practice through quality classroom instruction paired with extensive clinical experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Mary Lou Fulton Teachers College faculty actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further empowers students to engage in their own research through the culminating action research applied project.

A series of clinical experiences or field placements are designed to assist students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through our clinical framework provides students with the support they need to be successful in today's rapidly evolving educational environment.

The MEd program in special education with Arizona teacher certification offers two options for students to earn a master's degree and Arizona teacher certification.

**Master's and Arizona Certification (MAC):** In this program, students take classes at an ASU campus two nights a week and are required to complete daytime field experiences for at least two semesters. During the last semester of the program, students complete a full-time split student teaching experience: half the semester in a special education classroom and the other half in an elementary classroom. Students in the MAC program receive dual Arizona teacher certification in the following teaching certificates: Mild-Moderate Disabilities Special Education, K-12 and Elementary Education, grades 1-8. The mild to moderate areas include forms of emotional, behavioral, learning, and orthopedic disabilities as well as

intellectual disabilities and other health impairments.

Induction, Master's and Arizona Certification (InMAC) This program provides an alternative pathway to the Arizona teacher certification Mild-Moderate Disabilities Special Education, K-12, for full-time teachers on the teaching intern certificate. To qualify, individuals must secure a full-time teaching position. The InMAC program also features a partnership with Teach For America. Participants take classes one night per week.

**Degree Requirements:**

33 credit hours including the required applied project course (SPE 593).

Required Core (12 credit hours)

EED 537 Mathematics Methods and Assessment (3)

SPE 501 Introduction to Research and Evaluation in Education (3)

SPE 538 Language and Literacy I (3)

SPE 575 Survey, Issues and Foundations for the Exceptional Student (3)

Track (18 credit hours)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3)

Additional Curriculum Information

Students choose either the mild-moderate track, which has the options of the Masters and Arizona Certification (MAC) or Induction, Masters and Arizona Certification (InMAC) pathways; or the severe-profound track. Students will take additional coursework for certification.

The applied project is completed during the student teaching or apprentice teaching experience.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

ED 118

GraduateEducation@asu.edu

602-543-6358



**Online Degree Search Title:** Technology for Teaching and Learning (Graduate Certificate)

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The graduate certificate in technology for teaching and learning is geared toward classroom teachers who want to become skilled at integrating technology in the curriculum. Students acquire the knowledge and skills needed to meet the National Education Technology Standards for Teachers, developed by the International Society for Technology in Education and being adopted by the National Council for Accreditation for Teacher Education. The certificate program can be completed within a 2-year period.

**Degree Requirements:**

15 credit hours including the required capstone course (EDT 591).

Students must successfully complete four out of a possible six educational technology courses before completing a three-credit hour required capstone course.

**Admission Requirements:**

Applications are currently closed.

**Contact Information:**

Teachers College, Mary Lou Fulton  
Dean, Mary Lou Fulton Teachers College  
<https://education.asu.edu/>  
ED 118  
GraduateEducation@asu.edu  
602-543-6358

# Undergraduate Programs

## Minors (Program Descriptions and Requirements)

### African and African American Studies Minor (LAAFRMIN)

**Campus:** Tempe

**Description:**

The minor in African and African-American studies examines the culture, arts, history, politics, economics and current status of African-Americans, Africans and the African Diaspora, especially in the Caribbean, Central America and South America. The goal is to prepare students for lifelong learning, advanced study in a variety of fields and successful careers and productive public service in an increasingly diverse society, especially in Arizona.

**Program Requirements:**

The certificate requires completion of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and a grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

Required Core Course -- 3 credit hours

AFR 200: Introduction to Africana Studies (SB & G & H) (3)

Elective Course -- 3 credit hours

AFR 300: Precolonial Africa (SB & G & H) (3)

AFR 301: Race and Racism in Africa/African Diaspora (SB & G) (3)

AFR 302: History of Black Women in America (SB & H) (3)

AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) (3)

Electives -- 12 credit hours

AFR Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in African and African American studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Social Transformation

<https://sst.asu.edu/african-and-african-american-studies>

WILSN 125

SSTadvising@asu.edu

480-965-7682

### American Indian Studies Minor (LAAISMIN)

**Campus:** Tempe

**Description:**

The minor in American Indian studies is designed for students interested in developing an understanding of American Indian issues and analyzing issues through critical inquiry.

**Program Requirements:**

The minor in American Indian studies requires 18 credit hours. At least 12 hours must be upper-division coursework, and all courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 9 credit hours

AIS 180: Introduction to American Indian Studies (C) (3)

AIS 285: Federal Indian Policy (H & C) (3)

AIS 380: Contemporary Issues of American Indian Nations (C) (3)

Electives (select three) -- 9 credit hours

AIS 320: American Indian Philosophies and World Views (HU & C) (3)

AIS 360: Issues in Urban Indian Country (C) (3)

AIS 385: Entrepreneurship for American Indian Sustainability (3)

AIS 440: Cultural Professionalism (C) (3)

AIS 455: Human Rights and Cultural Resource Laws (3)

AIS 470: Tribal Governance (3)

AIS 480: Actualizing Decolonization (HU & C & G) (3)

AIS 484: Internship (3)

AIS 499: Individualized Instruction (3)

ENG 359: Indigenous American Literature ((L or HU) & C) (3)

HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)

HST 338: American Indian History since 1900 ((HU or SB) & C & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in American Indian studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
American Indian Studies Program

<https://americanindian.asu.edu/>

DISCOVERY 356

AIS@asu.edu

480-727-7056

## American Studies Minor (ASAMSMIN)

**Campus:** West

**Description:**

The American studies minor gives students the opportunity to pursue an interest in the interdisciplinary study of American culture. This interdisciplinary minor is particularly appropriate for students majoring in one of the humanities or social sciences disciplines.

The program is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**

The minor in American studies consists of 18 credit hours. A minimum of 12 credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Credit hours may not be shared between major and minor requirements. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

AMS 201: Introduction to American Studies (L & C) (3)

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Upper Division Electives -- 12 credit hours

AMS 326: Popular Culture (3)

AMS 330: American Lives (HU & C) (3)

AMS 334: Class in America (SB) (3)

AMS 336 / ENG 334 / ETH 334: The American Southwest in Literature and Film ((L or HU) & C) (3)

AMS 353 / ENG 353 / ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

AMS 354 / ENG 354 / ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)

AMS 380 / ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)

AMS 412: Studies in American Politics & Law (H) (3)

AMS 428 / ETH 428 / LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)

AMS 449 / ETH 449 / WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)

AMS 450 / ETH 450 / LAS 450: Latina/os, Schooling and Social Inequality (C) (3)

AMS 469 / ETH 469 / WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)

ENG 337: Major American Novels (L or HU) (3)

HST 320: U.S. Urban History since 1850 (SB & H) (3)

HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)

HST 413: Contemporary America ((L or SB) & H) (3)

HST 419: 20th Century Chicano/a History (C) (3)

REL 321: Religion in America ((L or HU) & C & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in American studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/american-studies-minor>  
FAB N100  
harcadvising@asu.edu  
602-543-3000

**Anthropology Minor (LAASBMIN)**

**Campus:** Tempe, Online

**Description:**

The minor program in anthropology provides students with a great deal of flexibility in selecting courses. The program has been designed to allow students to focus on areas within the discipline that articulate well with their major. All students interested in the anthropology minor are encouraged

to discuss the available options with a School of Human Evolution and Social Change undergraduate advisor.

### **Program Requirements:**

The anthropology minor requires a minimum of 18 credit hours, at least 12 of which must be upper-division. Only courses completed with a grade of "C" (2.00 on a 4.00 scale) can be used to fulfill minor requirements.

Required Introductory Courses (choose two) -- 6 credit hours

ASB 102: Introduction to Cultural Anthropology (SB & G) (3)

ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) (3)

ASM 104: Bones, Stones, and Human Evolution (SB or SG) (4)

Upper Division Subfield Courses -- 12 credit hours

Students choose 12 upper-division credit hours from the subfields of archaeology, evolutionary anthropology and sociocultural anthropology (including linguistics). The particular required introductory courses selected may limit the courses available for use as subfield courses. At least two of the three subfields must be represented. (12)

#### Archaeology Subfield

ASB 301: Global History of Health (SB & G & H) (3)

ASB 326: Human Impacts on Ancient Environments (SB & H) (3)

ASB 330: Understanding Archaeology (SB) (3)

ASB 333: Frauds, Myths and Mysteries ((HU or SB) & G) (3)

ASB 335: Ancient Ruins of the Southwest (SB & H & C) (3)

ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H) (3)

ASB 362: People and Plants (3)

ASB 366: African Archaeology: Precolonial Urban Culture (SB & H) (3)

ASB 368: Hunter-Gatherers (SB) (3)

ASB 490: Earliest Cities (SB & H) (3)

ASM 338: Bioarchaeology and the Human Skeleton (9)

ASM 338: Field Archaeology & Geophysical Testing (9)

ASM 350: Geoarchaeology (3)

ASM 365: Doing Archaeology (3)

ASM 450: Bioarchaeology (SB & G) (3)

#### Physical Subfield

ASB 301: Global History of Health (SB & G & H) (3)

ASB 368: Hunter-Gatherers (SB) (3)

ASM 301: Peopling of the World (SB) (3)

ASM 313: Great Adaptations (3)

ASM 332: Life and Death in Ancient Egypt (3)

ASM 338: Bioarchaeology and the Human Skeleton (9)

ASM 341: Human Osteology (4)

ASM 342: Evolution of Human Behavior (3)

ASM 344: Fossil Hominids (4)

ASM 345: Disease and Human Evolution (3)

ASM 401: Health and Human Biology (3)

ASM 443: Primatology (3)

ASM 446: Principles of Human Genetics (L) (3)

ASM 450: Bioarchaeology (SB & G) (3)

ASM 452: Dental Anthropology (SG) (4)

ASM 456: Infectious Disease and Human Evolution (3)

ASM 459: Forensic Anthropology (3)

ASM 460: Human Growth and Development: An Evolutionary Perspective (3)

ASM 465: Quantification and Analysis for Anthropologists (CS) (3)

#### Sociocultural Subfield

ASB 300: Food and Culture ((L or SB) & C) (3)

ASB 302: Ethnographic Field Study ((L or SB) & G) (3)

ASB 305: Poverty and Global Health ((L or SB) & G) (3)

ASB 310: Precolonial Africa (SB & G & H) (3)

ASB 311: Principles of Social Anthropology (SB & G & H) (3)

ASB 316: Money and Culture (L or SB) (3)

ASB 319: The North American Indian (3)

ASB 322: Peoples of Latin America ((L or SB) & G) (3)

ASB 325: Peoples of Southeast Asia (G) (3)  
 ASB 327: Disaster! ((L or SB) & C) (3)  
 ASB 336: African Art (HU & G) (3)  
 ASB 339: Grassroots Social Movements (SB) (3)  
 ASB 340: Migration and Culture (SB & G) (3)  
 ASB 342: Mexico-U.S. Borderlands (SB & C) (3)  
 ASB 344: Technology and Society (L or SB) (3)  
 ASB 346: Marriage and Family Diversity (SB & C) (3)  
 ASB 350: Anthropology and Art (HU) (3)  
 ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)  
 ASB 355: Traditional Medicine and Healing (HU or SB) (3)  
 ASB 356: Central American Studies (SB & G) (3)  
 ASB 357: Society, Drugs and Health (SB & G) (3)  
 ASB 358: The Yoruba and the Atlantic World (3)  
 ASB 370: Ethics of Eating (L or SB) (3)  
 ASB 374: Cultures and Politics of the Internet (SB) (3)  
 ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G) (3)  
 ASB 376: Global Health Policy (3)  
 ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) (3)  
 ASB 380: Language, Culture and Gender (SB) (3)  
 ASB 389: Ethnographic Field Lab (1)  
 ASB 412: History of Anthropology (L or SB) (3)  
 ASB 442: Global Cities (SB & G) (3)  
 ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) (3)  
 ASB 447: Citizenship, Nationalism and Identity (SB & C & G) (3)  
 ASB 452: Community Partnerships for Global Health (SB) (3)  
 ASB 455: Practicum for Social Sciences (SB) (3)  
 ASB 462: Medical Anthropology: Culture and Health (SB & C) (3)  
 ASB 463: Political Ecology of the Border (SB & G) (3)  
 ASB 464: The Ethnography of Mexico and the Borderlands (SB & G) (3)  
 ASB 466: Peoples and Cultures of Africa (SB & G) (3)  
 ASM 414: Urban and Environmental Health (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in anthropology; BS in anthropology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/anthropology>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
 SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
 480-965-6215

**Campus:** Polytechnic

**Description:**

The applied biological sciences minor is a rigorous and practical program. Consistent with a polytechnic vision, this minor involves extensive student interaction with faculty through experience-based learning activities, including:

- faculty-guided research and service-learning projects
- field trips
- internships
- laboratories

Mastery of fundamental biological principles is emphasized through quality learning in the classroom and hands-on activities in laboratories and in outdoor settings that include the Sonoran Desert, surrounding ecosystems and the landscape of the greater Phoenix area.

**Program Requirements:**

The applied biological sciences minor consists of 23 credit hours.

Required Courses -- 8 credit hours

BIO 181: General Biology I (SQ) (4)

BIO 182: General Biology II (SG) (4)

Electives -- 15 credit hours

ABS Elective (6)

ABS Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: All applied biological sciences, biological sciences or biology majors at ASU

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

[cisa@asu.edu](mailto:cisa@asu.edu)

480-727-1526

## Applied Computing Minor (ASACOMIN)

**Campus:** West

**Description:**

The minor in applied computing combines technical computing skills with an understanding of the impact of computer science in real-world contexts. Coursework in the applied computing minor provides a depth of knowledge in databases, networks and systems and gives students from other disciplines a computational component to their major field of study. Computational and problem-solving skills are in high demand in a multitude of career fields including cybersecurity, web administration, education and telecommunications.

The program is offered by the School of Mathematical and Natural Sciences.

**Program Requirements:**

The minor in applied computing consists of a minimum of 15 credit hours. At least nine credit hours must be upper division. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Required Courses -- 15 credit hours

ACO 201: Data Structures and Algorithms (CS) (3)

ACO 240: Introduction to Programming Languages (3)

ACO 320: Database Systems (3)

ACO 330: Computer Networks (3)

ACO 350: Systems Programming (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BS in applied computing; BS in applied computing (cybersecurity)

Other Enrollment Requirements: A "C" or better is required in ACO 102 Object-Oriented Programming and MAT 210 Brief Calculus in order to enroll in the required minor course, ACO 201.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/applied-computing-minor>  
FAB N100  
MNSadvising@asu.edu  
602-543-3000

## Applied Ethics Minor (ASAPETHMIN)

**Campus:** West

**Description:**

Students pursuing the applied ethics minor have the opportunity to develop their critical-thinking, reading, and writing capacities while exploring philosophy and ethical theory. They also have the opportunity to do so in a manner that explicitly complements their major by focusing on one of the minor's track options. This provides students an opportunity to gain a humanistic perspective on a nonhumanities field of study, such as health sciences, business and computer science, thereby adding nuance and depth to their educational experience.

**Program Requirements:**

The minor in applied ethics consists of 18 credit hours; a minimum of 12 credit hours must be upper-division. Program requirements include nine credit hours of required courses and nine credit hours in one chosen track: Bioethics; Environmental Ethics; Business Ethics; Social Sciences and Ethics; Religion and Ethics; or General Ethics. All courses used to fulfill the requirements of this minor must be passed with a "C" (2.00) or better.

Required Courses -- 9 credit hours

IAS 406 / PHI 406 / FOR 406: Moral Dilemmas (L or HU) (3)

PHI 105: Intro to Ethics (HU) (3)

PHI 306: Applied Ethics (HU) (3)



Applied Ethics Track -- 9 credit hours

Select 9 credit hours from one of the tracks below (9)

#### Bioethics Track

IAS 340 / PHI 320 / BIO 312: Bioethics (HU) (3)

LSC 362: The Human Environment (3)

LSC 363: Genes, Race, Gender, and Society (L) (3)

PHI 120: Introduction to Medical and Bioethics (HU) (3)

PHI 494 / REL 494: Philosophical/Spiritual Issues in Death & Dying (3)

PSY 447: Psychology of Aging (SB) (3)

SOC 400: Perspectives on Aging (SB) (3)

#### Environmental Ethics Track

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)

IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)

LSC 362: The Human Environment (3)

LSC 394: Environmental Disasters (3)

PHI 310 / BIO 324: Environmental Ethics (HU) (3)

#### Business Ethics Track

Required:

PHI 360: Business and Professional Ethics (HU) or LES 305: Business Law and Ethics for Managers (3)

Electives:

ACO 402 / CIS 402: Privacy, Ethics and Compliance Issues (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)

IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)

LES 305: Business Law and Ethics for Managers (3)

PHI 360: Business and Professional Ethics (HU) (3)

POS 300: Contemporary Global Controversies (SB & G) (3)

#### Social Sciences and Ethics Track

ENG 401: Topics in Critical Theory (3)

PHI 304: Existentialism (HU) (3)

PHI 307: Philosophy of Law (HU) (3)

PHI 439: Philosophy of Love and Sex (3)

PHI 494 / REL 494: Censorship: Philoso/Relig/Soc Perspectives (3)

PHI 494 / REL 494: Philosophical/Spiritual Issues in Death & Dying (3)

PSY 447: Psychology of Aging (SB) (3)

SOC 400: Perspectives on Aging (SB) (3)

#### Religion and Ethics Track

IAS 430: Science and Religion (L or HU) (3)

PHI 421: The Ethics of Belief (3)

PHI 494 / REL 494: Philosophical/Spiritual Issues in Death & Dying (3)

REL 321: Religion in America ((L or HU) & C & H) (3)

REL 381: Religion and Moral Issues (L or HU) (3)

REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)

#### General Ethics Track

ENG 401: Topics in Critical Theory (3)

IAS 340 / PHI 320 / BIO 312: Bioethics (HU) (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)

IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)

IAS 430: Science and Religion (L or HU) (3)

PHI 120: Introduction to Medical and Bioethics (HU) (3)

PHI 303 / REL 300: The Future of Religions (L or HU) (3)

PHI 304: Existentialism (HU) (3)

PHI 307: Philosophy of Law (HU) (3)

PHI 310 / BIO 324: Environmental Ethics (HU) (3)

PHI 360: Business and Professional Ethics (HU) (3)

PHI 421: The Ethics of Belief (3)

PHI 439: Philosophy of Love and Sex (3)

PHI 494 / REL 494: Censorship: Philoso/Relig/Soc Perspectives (3)  
PHI 494 / REL 494: Philosophical/Spiritual Issues in Death & Dying (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Philosophy, Religion and Society

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/applied-ethics-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Applied Mathematics Minor (LSAPMMIN)

**Campus:** Polytechnic

**Description:**

The minor in applied mathematics in the College of Integrative Sciences and Arts at the Polytechnic campus is designed to enable students to understand and apply mathematics most commonly used in the fields of business, economics, engineering, physics, computer sciences, life sciences, social sciences and sustainability. The minor is recommended for students who plan to major in these diverse fields, are preparing for further graduate study or who wish for increased employment options.

The coursework explores the study of advanced applied mathematical topics with an emphasis on applied sciences. Students with a minor in applied mathematics learn to use theories and techniques, such as mathematical modeling, computational methods and statistics to resolve practical, real-world problems.

**Program Requirements:**

The applied mathematics minor consists of 21 credit hours, including:

Required Courses -- 9 credit hours

MAT 265: Calculus for Engineers I (MA) or MAT 270: Calculus with Analytic Geometry I (MA) (3-4)  
MAT 266: Calculus for Engineers II (MA) or MAT 271: Calculus with Analytic Geometry II (MA) (3-4)  
MAT 275: Modern Differential Equations (MA) (3)

Electives -- 12 credit hours

MAT 267: Calculus for Engineers III (MA) or MAT 272: Calculus with Analytic Geometry III (MA) (3-4)  
MAT 300: Mathematical Structures (L) (3)  
MAT 310: Introduction to Geometry (3)  
MAT 343: Applied Linear Algebra (3)  
MAT 495: Supervised research in mathematical sciences (3)  
MAT 499: Individualized Instruction (3)  
STP 420: Introductory Applied Statistics (CS) (3)

At least six upper-division credit hours in elective courses must be offered by the College of Integrative Sciences and Arts.

A minimum of 12 credit hours of the minor must be ASU credit.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this

minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: MAT 170 or 171 with a "C" or better, OR Mathematics Placement Test with a score of 60 percent or higher and the Advanced Math Placement Test with a score of 38 or higher, OR ALEKS score of 76 or higher

The minor in applied mathematics is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and to be recognized in their particular major.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
[cisa@asu.edu](mailto:cisa@asu.edu)  
480-727-1526

## Arabic Studies Minor (LAARBMIN)

**Campus:** Tempe

**Description:**

The minor program in Arabic studies provides students with instruction in Modern Standard Arabic as well as Arab culture and literature. Students completing the prescribed coursework are expected to be able to communicate effectively in Arabic and interact with native speakers of the language as well as reading authentic material in Arabic and writing paragraphs in Modern Standard Arabic.

Literature courses expand students' knowledge in Arabic, the Middle East and Islamic culture and civilization. Students of all academic disciplines doing research or seeking employment in areas related to the Middle East or other parts of the Arab world will find the minor in Arabic highly beneficial.

Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Students should visit <https://mystudyabroad.asu.edu> (<https://mystudyabroad.asu.edu>) for more information.

**Program Requirements:**

The minor in Arabic studies requires 26 credit hours of courses detailed below. A minimum grade of "C" (2.00 on a 4.00 scale) or better is required in each course. Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 23 credit hours

ARB 201: Intermediate Arabic I (G) (4)

ARB 202: Intermediate Arabic II (G) (4)

ARB 311: Advanced Arabic Skills I (3)

ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)

ARB 341: Quran Text and Women (HU & H) or ARB 351: Classical Arabic Literature (3)

ARB 352: Modern Arabic Literature in Translation or ARB 422: Advanced Arabic Media (3)

ARB 411: Advanced Arabic Skills II (3)

Related Area (choose one) -- 3 credit hours

AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G) (3)

AFR 373: Islam and World Affairs (G) (3)

AFR 480: Different Voices Within Contemporary Islamic Discourse (3)

ARB 321: Arabic Conversation I (3)

ARB 335: Arabic Culture and Islam (G) (3)  
ARB 336: Introduction to the Qur'an (3)  
ARB 337: Hadith and Prophetic Tradition (3)  
ARB 340: Arabic Translation (3)  
ARB 341: Quran Text and Women (HU & H) (3)  
ARB 351: Classical Arabic Literature (3)  
ARB 352: Modern Arabic Literature in Translation (3)  
ARB 360: Islamic Philosophical Literature (3)  
ARB 421: Arabic Conversation II (3)  
ARB 422: Advanced Arabic Media (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
REL 365: Islamic Civilization (HU & H) (3)  
REL 366: Islam in the Modern World (HU & G) (3)

Students may need to complete the sequence of elementary Arabic, ARB 101 and ARB 102, as prerequisite courses.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in International letters and cultures (Arabic studies)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Architectural Studies Minor (ARSTDMIN)

**Campus:** Tempe

**Description:**

The architectural studies minor is available to nonarchitecture majors interested in this field. The courses are designed to provide an overview of architecture throughout history while focusing on architectural design, with the intention to explore the process of design thinking.

**Program Requirements:**

A minimum of 18 credit hours (to include 12 credit hours of upper-division coursework) are required for the minor. A minimum grade of "C" (2.00) is required in all classes for the minor.

A minimum GPA of 2.50 in minor courses is required to earn the minor in architectural studies.

Required Courses -- 12 credit hours

ALA 100: Introduction to Environmental Design (HU & H & G) (3)  
ALA 102: Landscapes and Sustainability (HU & G) (3)  
APH 313: History of Architecture I ((L or HU) & G & H) (3)  
APH 314: History of Architecture II ((L or HU) & G & H) (3)

Architectural History and Theory -- 6 credit hours

Six additional upper-division credit hours of electives in the architectural history and theory concentration must be selected from the following list:

ANP 494: Special Topics (3)  
APH 394: Special Topics (3)  
APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU & H) (3)  
APH 414: Great Cities ((L or HU) & H) (3)  
APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU) (3)  
APH 441: Ancient Arch (3)  
APH 494: Special Topics (3)  
APH 499: Individualized Instruction (1-3)  
Notes: APH 499 requires a petition to The Design School.  
ARP 451: Architecture Field Studies (1-6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BSD in architectural studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://herbergerinstitute.asu.edu/degree-programs>  
CDN 162  
herbergeradvising@asu.edu  
480-965-4495

## Art History Minor (FAARTHMIN)

**Campus:** Tempe, Online

**Description:**

The art history minor is designed for students who are interested in a broad introduction to the study of the history of art. In giving substantial chronological exposure to the history of art from diverse cultures, the minor program strengthens academic preparation and provides students with many options to select courses based on their individual interests. A minor in art history, especially in conjunction with a major in another field, will enhance opportunities for future graduate study.

**Program Requirements:**

The School of Art offers a minor in art history consisting of 18 credit hours of coursework, including 12 upper-division electives. A minimum grade of "C" (2.00) is required in all classes for the minor. For those pursuing a minor, a minimum overall GPA of "C" (2.00) is required. Courses may not be double counted in a major and the minor, and a minimum of 12 credit hours of resident credit at ASU are required.

ARS 100 and ARS 300 may not be used toward an art history minor if the student has credit in ARS 101 and ARS 102. If a student has completed ARS 100 or ARS 300, then they must complete ARS 201 and ARS 202 instead of ARS 101 and 102.

Core Courses -- 6 credit hours

ARS 101: Art from Prehistory Through Middle Ages (HU & H) (3)  
ARS 102: Art from Renaissance to Modernism (HU & H) (3)

Art History Upper Division Courses -- 12 credit hours

ARS Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in art (art history)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art

<https://art.asu.edu/degree-programs/art-history-museum-studies>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Asian Languages (Chinese) Minor (LACHIMIN)

**Campus:** Tempe

**Description:**

Students pursuing the minor in Asian languages (Chinese) gain an understanding of the language, literature and cultures of China. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Highly motivated students interested in learning Chinese to professional-level proficiency while simultaneously pursuing the Asian languages (Chinese) minor and undergraduate major of their choice are encouraged to apply to the Chinese Language Flagship Program: <https://silc.asu.edu/chineseflagship> (<https://silc.asu.edu/chineseflagship>).

**Program Requirements:**

The minor in Asian languages (Chinese) consists of 18 credit hours, of which 12 credit hours must be upper-division. Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 16 credit hours

CHI 201: Second-Year Chinese I (G) AND CHI 202: Second-Year Chinese II (G) or CHI 210: Intensive Chinese II (6)

Notes: CHI 201 and CHI 202 grant 5 credit hours each. The extra 4 credits earned will be applied to the minimum 120 credit hours needed for graduation. Students may opt to take CHI 210 Intensive Chinese II, an 8 credit hour course equivalent to CHI 201 and CHI 202. The extra 2 credits earned will be applied to the minimum 120 credit hours for graduation.

CHI 301: Third-Year Chinese I (G) (5)

CHI 302: Third-Year Chinese II (G) (5)

Upper-division CHI Coursework -- 2 credit hours

All of the upper-division CHI courses in this list are 3 credit hours. The extra 1 credit earned will be applied to the minimum 45 upper-division credit hours requirement.

CHI 307: Introduction to Literary Chinese I (HU) (3)

CHI 308: Introduction to Literary Chinese II (HU) (3)

CHI 321: Chinese Literature (HU) (3)

CHI 322: Chinese Literature (HU & G) (3)

CHI 333: China (SB & H) (3)

CHI 336: Interpreting China's Classics ((L or HU) & H) (3)

CHI 338: The Daoist Bible: The Daode jing (HU & L) (3)

CHI 345: Chinese Film and Civilization (3)

CHI 348: Pathways into Chinese Culture (3)

CHI 380: The Chinese Language (3)

CHI 401: Fourth-Year Chinese I (G) (3)  
CHI 402: Fourth-Year Chinese II (G) (3)  
CHI 407: Chinese for Academic and Professional Purposes I (G) (3)  
CHI 408: Chinese for Academic and Professional Purposes II (G) (3)  
CHI 451: Chinese Cultural History I ((HU or SB) & H) (3)  
CHI 452: Chinese Cultural History II (SB & G & H) (3)  
CHI 470: Modern Chinese Literature and Culture (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Asian languages (Chinese); BA in Asian languages (Chinese) --- Chinese flagship; BA in business (Chinese language and culture)

Other Enrollment Requirements: None

Students who wish to add a minor in Asian Languages (Chinese) to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Asian Languages (Japanese) Minor (LAJPNMIN)

**Campus:** Tempe

**Description:**

Students pursuing the minor in Asian languages (Japanese) gain an understanding of the language, literature and cultures of Japan. There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education. Students should go to <https://mystudyabroad.asu.edu> (<https://mystudyabroad.asu.edu>) for more information.

**Program Requirements:**

The minor in Asian languages (Japanese) consists of 18 credit hours, of which 12 credit hours must be upper-division. Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 12 credit hours

JPN 301: Third-Year Japanese I (G) (<https://webapp4.asu.edu/catalog/courselist?s=JPN&l=200-299&t=2197&hon=F>) > JPN 2\*\* Elective (6)  
Notes: JPN 201 and JPN 202 are five credit hours each, and are prerequisites to the JPN 300-level language courses. Six credit hours of the JPN 200-level courses may be applied to the Japanese minor. The remaining four credit hours will be applied to the 120 credit hours minimum for graduation. Students may opt to take JPN 210 Intensive Japanese II, an eight credit course equivalent to JPN 201 and JPN 202. The remaining two credit hours will be applied to the 120 hours minimum for graduation.  
(3)

JPN 302: Third-Year Japanese II (G) (3)

Upper-Division JPN Courses (Select two) -- 6 credit hours

JPN 309: Japanese Oral Communication I (3)

JPN 310: Japanese Oral Communication II (3)

JPN 311: Japanese Composition I (G) (3)  
JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G) (3)  
JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G) (3)  
JPN 394: Special Topics (3)  
JPN 401: Reading Modern Japanese Texts I ((L or HU) & G) (3)  
JPN 414: Introduction to Classical Japanese (3)  
JPN 415: Advanced Classical Japanese (3)  
JPN 445: Readings in Modern Japanese Letters and Culture (3)  
JPN 485: Literary Translation: Theory and Practice (3)  
JPN 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Asian languages (Japanese)

Other Enrollment Requirements: None

Students who wish to add a minor in Asian Languages (Japanese) to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Asian Pacific American Studies Minor (LAAPAMIN)

**Campus:** Tempe

**Description:**

The Asian Pacific American studies minor program focuses on the long history and rich contemporary experiences, cultures and communities of Asian Pacific Americans in the Southwest. This minor will benefit students pursuing careers involving the complex and rapidly changing Asian American and Pacific Islander populations and other culturally diverse populations.

**Program Requirements:**

The minor in Asian Pacific American studies requires a total of 18 credit hours, including six credit hours of core courses and 12 elective credit hours selected from courses with the APA prefix. A minimum of nine credit hours must be taken in residency at ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

A minimum of nine credit hours must be upper-division coursework.

No course may be used to satisfy more than one requirement in the minor.

Required Core Courses -- 6 credit hours

APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C) (3)

APA 360: Asian Pacific American Experience ((HU or SB) & C) (3)

Elective Courses (Choose four) -- 12 credit hours

APA 210: Introduction to Ethnic Studies in the U.S. (C) (3)

APA 310: Asian Pacific American Arts and Cultures (HU & C) (3)



APA 315: Asian Pacific American Literature (HU & C) (3)  
APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)  
APA 340: Asian Pacific Americans and Media (HU & C) (3)  
APA 345: Asian Pacific Americans and Film (HU & C & H) (3)  
APA 360: Special Topics (3)  
APA 450: Asian Pacific American Contemporary Issues (SB & C) (3)  
APA 484: Internship (3)  
APA 499: Individualized Instruction (3)

APA 360 Asian Pacific American Experience is required for the core. The course may be repeated for APA elective credit under different topics.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in Asian Pacific American studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/content/asian-pacific-american-studies-minor>  
WILSN 125  
SSTadvising@asu.edu  
480-965-7682

## Astronomy Minor (LAASTMIN)

**Campus:** Tempe

**Description:**

The astronomy minor is designed for students interested in developing a basic understanding of astronomy and astrophysics and in analyzing issues through a scientific viewpoint.

**Program Requirements:**

The minor in astronomy consists of a minimum of 24 credit hours. At least 12 credit hours must be upper-division courses. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 8 credit hours

AST 113: Astronomy Laboratory I (SQ) (1)  
AST 114: Astronomy Laboratory II (SQ) (1)  
AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) (3)  
AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) (3)

Physics Core -- 8 credit hours

Student must complete two semesters of physics.

PHY 150: Physics I (SQ) or PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) (4)  
PHY 151: Physics II (SQ) or PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) or  
PHY 252: Physics III (SQ) (4)

Electives -- 8 credit hours

Eight upper division credit hours of electives are chosen in consultation with an academic advisor in the School of Earth and Space Exploration.

AST OR MAT OR PHY OR SES Upper Division Elective (8)

In order to satisfy SQ natural science general studies requirements, both a lecture and its corresponding laboratory section must be completed. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatibles Majors: BS in earth and space exploration (astrophysics); BA in physics; BS in physics

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu>  
ISTB4 795  
sese-advising@asu.edu  
480-965-5081

## Astrophysics Minor (LAASTPHMIN)

**Campus:** Tempe

**Description:**

The astrophysics minor is designed for students interested in developing a background in the theoretical modeling and observational techniques of galactic and stellar astronomy, extragalactic astronomy and cosmology. Students completing the minor will be able to think critically about scientific problems, reducing complex problems to their most important attributes, and to design experiments, observations and theoretical models that address those attributes. Students pursuing an astrophysics minor are expected to have a strong background in physics and mathematics.

**Program Requirements:**

The minor in astrophysics consists of a minimum of 20 credit hours. At least 12 credit hours must be upper division. Students complete 12 credit hours of required course work and select one of three eight-credit hour options to complete the minor. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 12 credit hours

AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) (3)  
AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) (3)  
AST 421: Astrophysics I (3)  
AST 422: Astrophysics II (3)

Electives Options -- 8 credit hours

Choose one of the following options for the additional eight credit hours. (8)

Option 1

SES 121: Earth, Solar System and Universe (SQ) (3)  
SES 123: Earth, Solar System and Universe Laboratory (SQ) (1)  
SES 126: Exploration of the Universe (3)  
SES 128: Exploration of the Universe Lab (1)

Option 2

AST 111: Introduction to Solar Systems Astronomy (SQ) (3)  
AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) (3)  
AST 113: Astronomy Laboratory I (SQ) (1)

AST 114: Astronomy Laboratory II (SQ) (1)

Option 3

AST OR MAT OR PHY OR SES Upper Division Elective (8)

In order to satisfy SQ natural science requirements, both a lecture and its corresponding laboratory section must be completed. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in earth and space exploration (astrophysics)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Earth and Space Exploration

<https://sese.asu.edu>

ISTB4 795

[sese-advising@asu.edu](mailto:sese-advising@asu.edu)

480-965-5081

## Biochemistry Minor (LABCHMIN)

**Campus:** Tempe

**Description:**

The biochemistry minor is designed to give students majoring in other disciplines a solid grounding in the basics of biochemistry to complement their major degree program. It is especially appropriate for students whose majors are in the various disciplines of life sciences, physics, engineering and geology and for students planning careers in the fields of medicine and health.

**Program Requirements:**

The minor in biochemistry comprises 28 credit hours of required courses, of which at least 12 credit hours must be completed at the upper-division level. Six of the 12 upper-division credit hours must be from courses offered by the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 28 credit hours

BCH 341: Physical Chemistry with a Biological Focus (3)

Notes: Prerequisites for BCH 341 include CHM 114, 116 or 118 with "C" or better; CHM 231, 233 or 333 with "C" or better; MAT 251, 265 or 270 with "C" or better; and PHY 101, 112 or 131 with "C" or better.

BCH 461: General Biochemistry (3)

BCH 462: General Biochemistry (3)

BCH 467: Analytical Biochemistry Laboratory (L) (3)

CHM 113: General Chemistry I (SQ) or CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) (4)

Notes: Students completing CHM 117 must also complete its corresponding CHM 111 lab.

Prerequisites for CHM 113 or CHM 117 include CHM 101 with C or better, or ALEKS score of 61 or higher, OR Pre- or corequisite(s): MAT 170, 171, 210, 251, 265 or 270 with C or better if completed.

CHM 116: General Chemistry II (SQ) or CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) (4)

Notes: Students completing CHM 118 must also complete its corresponding CHM 112 lab.

CHM 233: General Organic Chemistry I (3)

CHM 234: General Organic Chemistry II (3)  
CHM 237: General Organic Chemistry Laboratory I (1)  
CHM 238: General Organic Chemistry Laboratory II (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in applied biological sciences (all concentrations); BS in biochemistry (medicinal chemistry); BS in chemistry (environmental chemistry); BS in forensic science; BS in health sciences preprofessional; BS in human nutrition and nutrition; BS in biochemistry; BA in biochemistry; BS in chemistry; BA in chemistry

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Molecular Sciences

<https://sms.asu.edu>

PSD 104

SMSadvising@asu.edu

480-965-7667

## Biological Sciences Minor (LABIOMIN)

**Campus:** Tempe

**Description:**

Biological science encompasses the study of all living things and includes the study of basic organization and function, how organisms evolve, their roles in the natural environment, how hereditary information is transferred and the development of biotechnology. The biological sciences minor is a program designed to provide students with a flexible curriculum that can be tailored to their interests.

**Program Requirements:**

The minor in biological sciences requires a minimum of 24 credit hours, of which at least 12 credit hours must be upper-division. At least six of the upper-division credit hours must be from courses offered by the College of Liberal Arts and Sciences.

The remaining elective credit hours may be chosen from those courses in the life sciences that can be used toward the majors offered by the school. Three credits of undergraduate research or internship (BIO 495 or BIO 484) can be allowed in the minor.

Core Minor Requirement (15-16 credits) -- 15 credit hours

BIO 281: Conceptual Approaches to Biology for Majors I (SQ) (4)

BIO 282: Conceptual Approaches to Biology for Majors II (4)

BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins (4)

BIO 345: Evolution or MIC 206: Microbiology Laboratory (SG) AND MIC 220: Biology of Microorganisms (3-4)

Minor Electives (8-9 credits) -- 9 credit hours

BIO OR MBB OR MIC Upper Division Elective (8-9)

Students will complete 8-9 credit hours in electives selected from the BIO, MBB or MIC prefixes, all of which must be upper division credit hours.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

Electives not accepted in the biological sciences minor: lower division biology courses including but not limited to: BIO 100, BIO 201, BIO 202, and MIC 205.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in biological sciences (all concentrations); BS in microbiology (all concentrations). This minor is not available to students majoring in the life sciences.

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

## Biology Minor (ASLSCMIN)

**Campus:** West

**Description:**

A minor in biology can be a valuable asset, particularly when paired with an appropriate major. For instance, a minor in biology paired with a major in political science would provide a good background for someone who wanted to practice environmental law.

**Program Requirements:**

The minor in biology consists of 28 credit hours. A minimum of eight upper division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. Course work taken to fulfill the requirements of the minor may not be used to fulfill requirements of a student's major. Consult with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses -- 28 credit hours

BIO 181: General Biology I (SQ) (4)

BIO 182: General Biology II (SG) (4)

BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory (4)

BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory (4)

CHM 113: General Chemistry I (SQ) (4)

CHM 116: General Chemistry II (SQ) (4)

LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory (4)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in biology; BA and BS in environmental science; BS in biology (environmental science); BS in biology (pharmacology/toxicology); BS in biotechnology and bioenterprise; BS in forensic science; BS in pharmacology and toxicology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/biology-minor>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Business Minor (BABUSMIN)

**Campus:** Tempe, Online

**Description:**

A minor in business is available to students who are interested in business courses but wish to pursue majors in other colleges. The courses available for the minor are designed to appeal to and inform the nonbusiness student while covering a broad range of topics that are important to managers, such as:

- accounting
- computer information systems
- economics
- finance
- management
- marketing
- supply chain management

**Program Requirements:**

Students must complete 18 credit hours (12 of which must be upper-division) of the specified business courses with a grade of "C" (2.00) or higher in each course. At least 12 credit hours must be taken at ASU.

No more than six credit hours can be shared between this minor and other business certificates and minors.

Business students are not eligible to apply for the minor.

Required Courses -- 15 credit hours

- ACC 382: Accounting and Financial Analysis (3)
- ECN 211: Macroeconomic Principles (SB) or ECN 212: Microeconomic Principles (SB) (3)
- FIN 380: Personal Financial Management (3)
- MGT 380: Management and Strategy for Nonmajors (3)
- MKT 390: Essentials of Marketing (3)

Elective (select one) -- 3 credit hours

- AGB 420: Food Advertising and Promotion (3)
- AGB 445: Food Retailing (3)
- AGB 456: Food Product Innovation and Development (3)
- CIS 300: Web Design and Development (3)
- CIS 308: Advanced Excel in Business (3)
- ECN 211: Macroeconomic Principles (SB) or ECN 212: Microeconomic Principles (SB) (3)
- FIN 331: Financial Markets and Institutions (3)
- LES 380: Consumer Perspective of Business Law (3)
- MKT 391: Essentials of Selling (3)
- MKT 395: Essentials of Advertising and Marketing Communication (3)
- REA 380: Real Estate Fundamentals (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

The upper-division courses specified for the minor are restricted to students with 56 earned credit hours and a minimum 2.00 ASU cumulative GPA. College of Liberal Arts and Sciences Economics majors must use ECN 211 and ECN 212 in their degree and will take an additional elective to replace that requirement in the minor.

ACC 231 may substitute for ACC 382, if previously taken.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in business

Other Enrollment Requirements: None

This minor is open to non-W. P. Carey majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<https://wpcarey.asu.edu/undergraduate-degrees/business-minor>

BA 160

wpcareyug@asu.edu

480-965-4227

## Chemistry Minor (ASCHMMIN)

**Campus:** West

**Description:**

The minor in chemistry offered by the School of Mathematical and Natural Sciences gives students expanded proficiency in the area of chemistry. Many of the growing career fields, such as forensic sciences, medicine and environmental quality, require a greater degree of chemistry than in the past. Therefore, students with a greater chemistry background have a competitive advantage in these fields. The chemistry minor gives students more experience in the advanced and integrative fields of chemistry through additional biochemistry and analytical chemistry courses. The awarding of the chemistry minor highlights the students' expanded chemistry knowledge to future schools and employers.

**Program Requirements:**

The minor in chemistry consists of 25 credit hours. A minimum of nine credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00).

Required Courses -- 25 credit hours

BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory (4)

CHM 113: General Chemistry I (SQ) (4)

CHM 116: General Chemistry II (SQ) (4)

CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I (4)

CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II (4)

LSC 425: Analytical Chemistry for Life Sciences AND LSC 426: Analytical Chemistry for Life Sciences Lab (5)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in biology; BA and BS in environmental science; BS in biology (pharmacology/toxicology); BS in biology (environmental science); BS in biotechnology and bioenterprise; BS in forensic science; BS in pharmacology and toxicology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/chemistry-minor>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Chemistry Minor (LACHMMIN)

**Campus:** Tempe

**Description:**

The chemistry minor is designed to give students majoring in other disciplines a solid grounding in the basics of chemistry in order to complement their major degree. It is especially appropriate for students whose majors are in the various disciplines of physics, materials science, geology, engineering and life sciences.

**Program Requirements:**

The minor in chemistry comprises 28 credit hours of required courses, of which at least 12 credit hours must be completed at the upper-division level. Six of the 12 upper-division credit hours must be taken from courses offered by the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 20 credit hours

CHM 113: General Chemistry I (SQ) or CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) (4)

Notes: Students who complete CHM 117 must also complete the corresponding CHM 111 lab.

Prerequisites for CHM 113 or CHM 117 include CHM 101 with C or better, or ALEKS score of 61 or higher, OR Pre- or corequisite(s): MAT 170, 171, 210, 251, 265 or 270 with C or better if completed

CHM 116: General Chemistry II (SQ) or CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) (4)

Notes: Students who complete CHM 118 must also complete the corresponding CHM 112 lab.

CHM 233: General Organic Chemistry I (3)

CHM 234: General Organic Chemistry II (3)

CHM 237: General Organic Chemistry Laboratory I (1)

CHM 238: General Organic Chemistry Laboratory II (1)

CHM 325: Analytical Chemistry (3)

CHM 326: Advanced Analytical Chemistry Laboratory (1)

Options -- 8 credit hours

Choose one of the following options for the additional 8 credit hours. (8)

Option 1

BCH 361: Advanced Principles of Biochemistry (3)

BCH 367: Elementary Biochemistry Laboratory (1)

CHM 341: Elementary Physical Chemistry (3)

Notes: Prerequisites for CHM 341 include CHM 114, 116 or 118 with "C" or better; CHM 231, 233 or 333 with "C" or better; MAT 251, 265 or 270 with "C" or better; and PHY 101, 112 or 131 with "C" or better.

CHM 343: Elementary Physical Chemistry Laboratory (1)

Option 2

CHM 345: Physical Chemistry I (3)

Notes: Prerequisites for CHM 345 include CHM 116 or 118 with "C" or better; CHM 240 or PHY 201 OR both MAT 274 (or MAT 275) and MAT 242 (or MAT 342 or 343) with "C" or better; MAT 267 or 272 with "C" or better; and PHY 131 or 151 with "C" or better.

CHM 346: Physical Chemistry II (3)

CHM 348: Physical Chemistry Laboratory I (L) (1)

CHM 349: Physical Chemistry Laboratory II (L) (1)

Some courses require prerequisite work in calculus and physics.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.



**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in applied biological sciences (all concentrations); BS and BA in biochemistry; BS in biochemistry (medicinal chemistry); BS and BA in chemistry; BS in chemistry (environmental chemistry); BS in forensic science; BS in health sciences preprofessional; BS in nutrition; BS in nutrition (human nutrition)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Molecular Sciences

<https://sms.asu.edu>

PSD 104

SMSadvising@asu.edu

480-965-7667

## Civic and Economic Thought and Leadership Minor (LACELMIN)

**Campus:** Tempe

**Description:**

A minor in civic and economic thought and leadership trains students to read and understand influential ideas in philosophy, economics and politics in order to become leaders in any discipline. Students learn to think broadly and talk constructively to unite people with diverse backgrounds and conflicting motivational needs by leading them toward shared goals.

Students interested in careers as lawyers, doctors, journalists, educators, law enforcement officials and political scientists benefit from a liberal arts education that helps them to develop the ethical framework they need to ask informed questions, make sound decisions for the common good and solve the difficult problems that leaders confront in any discipline.

Students in the minor participate in a high-impact curriculum and are eligible for a global intensive experience, leadership seminars, an internship program and special access to prominent scholars and visiting fellows.

**Program Requirements:**

The minor in civic and economic thought and leadership requires 18 credit hours, of which 12 credit hours must be upper-division courses. At least 12 credit hours must be taken from ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 12 credit hours

CEL 100: Great Ideas of Politics and Ethics (HU) (3)

CEL 200: Great Debates in American Politics and Economics (HU) (3)

CEL 300: Capitalism and Great Economic Debates (3)

CEL 475: Statesmanship and American Grand Strategy (3)

Upper Division Electives -- 6 credit hours

CEL 305: Classical Political Philosophy and Statesmanship: The Greeks (3)

CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty (3)

CEL 345: Classics of Modern Economic Thought: Smith to Hayek and Beyond (3)

CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826 (3)

CEL 394: Supervised Research (3)

CEL 484: Internship (<https://webapp4.asu.edu/catalog/courselist?s=CEL&l=300-399&t=2197&hon=F>) > CEL 3\*\* Elective (3)

(3)

CEL 492: Honors Directed Study (3)

CEL 493: Honors Thesis (3)

CEL 4\*\* Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in civic and economic thought and leadership

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Civic & Economic Thought and Leadership  
<https://scetl.asu.edu>  
SS 107  
[scetl@asu.edu](mailto:scetl@asu.edu)  
480-965-0155

## Communication Minor (HSCMNMIN)

**Campus:** West

**Description:**

The minor program in communication provides students the opportunity to understand the role and function of communication in cultural, public, organizational and relational contexts. The program offers a flexible set of courses and is designed for students majoring in another field.

**Program Requirements:**

The minor in communication consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of nine credit hours must be taken through the School of Social and Behavioral Sciences. Students wishing to pursue the minor must meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses -- 6 credit hours

COM 100: Introduction to Human Communication (SB) (3)

COM 225: Public Speaking (L) (3)

Upper Division Electives -- 12 credit hours

COM Upper Division Elective (12)

Up to three credit hours of COM 382, 383, 483, 484, 498 or 499 may be applied toward the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in communication

Other Enrollment Requirements: None

The minor in communication is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor

requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/communication-minor>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Communication Minor (LACOMMIN)

**Campus:** Tempe, Online

**Description:**

The minor in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities.

**Program Requirements:**

The minor in communication consists of 18 credit hours. Nine of the 18 credit hours must be ASU resident credit courses, including six upper-division credit hours offered by the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

COM 100: Introduction to Human Communication (SB) (3)

COM 225: Public Speaking (L) or COM 259: Communication in Business and the Professions (3)

Minor Electives (choose two) -- 6 credit hours

COM 310: Relational Communication (3)

COM 312: Communication, Conflict, and Negotiation (3)

COM 316: Gender and Communication (SB & C) (3)

COM 323: Communication Approaches to Popular Culture (C) (3)

Related Area -- 6 credit hours

SGS OR APA OR AFR OR TCL OR AIS Upper Division Elective (6)

No pass/fail, "Y" credit or credit/no-credit courses are allowed.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA and BS in communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/communication-minor>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Hugh Downs School of Human Communication  
<https://humancommunication.asu.edu/>  
STAUF 412  
communication@asu.edu  
480-965-5095

## Communication Minor (LSCOMMIN)

**Campus:** Downtown Phoenix, Polytechnic

### **Description:**

The minor in communication provides exposure to practical and theoretical aspects of communication, focusing on message-based processes that create, maintain and transform identities, relationships, organizations and cultures.

### **Program Requirements:**

This minor requires 18 credit hours of communication courses.

Six credit hours must be taken from COM courses offered by the College of Integrative Sciences and Arts.

Required Courses -- 3 credit hours

COM 100: Introduction to Human Communication (SB) (3)

Additional Requirements -- 15 credit hours

COM Elective (3)

COM Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in communication; BA in communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
AZCNTR 380  
CISA@asu.edu  
602-496-0271

## Community Health Minor (NUCHLTMIN)

**Campus:** Downtown Phoenix, West

### **Description:**

The minor in community health is designed for students who want to create healthy, sustainable communities.

Community health focuses on the actions and conditions needed for the health and well-being of individuals, families and communities. Students acquire skills to work with teams in diverse settings to formulate research-based strategies that assist individuals to make healthy and sustainable lifestyle choices.

**Program Requirements:**

This minor requires 18 credit hours.

HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) (3)

HCR 231: Fundamentals of Community Health (3)

HCR 331: Communication within Communities (3)

HCR 335: Program Development and Management for Community Health (3)

HCR 336: Environmental Community Health (3)

HCR 435: Leaders in Community Health (3)

A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in community health

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/non-degree/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## Community Sports Management Minor (PPCSMMIN)

**Campus:** Downtown Phoenix

**Description:**

The community sports management minor focuses on developing skills to support recreational amateur sport programs within the community. Sport programs exist in a number of settings, including nonprofit organizations, public agencies and corporate programs. For a student interested in a career in one of these settings, or simply interested in sport, this minor can provide additional skills relevant to any of those professions.

**Program Requirements:**

Core Courses -- 12 credit hours

CSM 201: Introduction to Community Sports (3)

Notes: Fall Only

CSM 305: Sports Facility Operations and Management (3)

Notes: Spring Only

CSM 407: Ethics and Legal Issues in Sports (3)

Notes: Fall Only

PRM 315: Community Recreation Systems (3)

Notes: Fall Only

Electives -- 6 credit hours

CSM 335: Sports and Recreation for Youth Development (3)

Notes: Spring Only

CSM 483: Sports Tourism (3)

Notes: Spring Only

CSM 485: Sports Events (3)

Notes: Spring Only

NLM 220: Introduction to Nonprofit Organizations (3)

NLM 310: Volunteer Management (3)

PRM 364: Foundations of Recreation Therapy (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Computational Mathematical Sciences Minor (LACMSMIN)

**Campus:** Tempe

**Description:**

The computational mathematical sciences minor offers a structured curriculum that includes a foundation in calculus with a focus on applied math. Students will develop a framework of scientific computing and numerical analysis skills.

**Program Requirements:**

The minor in computational mathematical sciences consists of a minimum of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and all courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 18 credit hours

MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)

MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

MAT 420: Scientific Computing (3)

MAT 421: Applied Computational Methods (CS) (3)

MAT 423: Numerical Analysis I (CS) or MAT 425: Numerical Analysis II (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics, BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/home>  
WXMLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Conflict Resolution Minor (ASCNRMIN)

**Campus:** West

**Description:**

The minor program in conflict resolution introduces students to theories and practices that will enable them to understand, address and transform conflict while dealing with challenges both at the micro and the macro levels in professional and cross-cultural contexts and individual and collective interactions.

Having engaged with subject areas in communication, conflict and peace studies, students will be ready to pursue further education or careers in business, mediation, advocacy, education, government and law.

**Program Requirements:**

The minor in conflict resolution consists of 15 credit hours. A minimum of nine credit hours must be upper-division. A minimum of six credit hours of COM courses must be taken through the School of Social and Behavioral Sciences. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses -- 15 credit hours

COM 100: Introduction to Human Communication (SB) or COM 310: Relational Communication

(<https://webapp4.asu.edu/catalog/courselist?s=COM&l=upperdivision&t=2197&hon=F>) > COM Upper Division Elective (3)

Notes: COM 100 is a prerequisite to COM 310 and COM 312. If COM 100 has already been taken as a major requirement, a COM upper division elective may be substituted.

(3)

COM 312: Communication, Conflict, and Negotiation (3)

COM 414: Crisis Communication or COM 415: Risk Communication (3)

PAX 230: Introduction to Peace Studies (G) or JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: Two required courses in the minor have a minimum GPA of 2.00 (COM 310 and COM 312)

Incompatible Majors: BA in conflict resolution

Other Enrollment Requirements: N/A

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/conflict-resolution-minor>  
FAB N100  
SBSadvising@asu.edu  
602-543-3000

## Construction Management Minor (ESCMGMIN)

**Campus:** Tempe

### **Description:**

The minor program in construction management is comprised of coursework in construction management processes incorporating the technology and industry practices required to ensure a quality-built environment. Due to industry demands for increased numbers of skilled personnel, this minor will provide much needed supplementary knowledge for architecture, engineering and business majors as well as students majoring in sustainability.

### **Program Requirements:**

The minor in construction management requires 21 credit hours.

Core Required Courses -- 12 credit hours

CON 244: Working Drawing Analysis (2)

CON 251: Microcomputer Applications for Construction (3)

CON 252: Building Construction Methods, Materials, and Equipment (3)

CON 383: Construction Estimating (4)

Electives -- 9 credit hours

CON 453: Construction Technology (3)

CON 495: Construction Planning and Scheduling (CS) (3)

CON 496: Construction Contract Administration (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

Minimum cumulative 2.00 ASU GPA needed to complete the minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in construction management; BSE in construction engineering

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Sustainable Engineering & Built Environment  
<https://ssebe.engineering.asu.edu/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Counseling and Applied Psychological Science Minor (LSCAPSMIN)

**Campus:** Polytechnic

### **Description:**

The minor in counseling and applied psychological science is open to all ASU undergraduate majors and offered on the Polytechnic campus.



Counseling and applied psychology coursework focuses on the promotion of psychological well-being. Students learn basic counseling skills and techniques to complement a variety of social science and health majors, including psychology, public health, interdisciplinary studies, social work and humanities, among many others.

**Program Requirements:**

Required Courses -- 9 credit hours

CAP 120: Introduction to Counseling (SB) (3)

CAP 220: Self in a Multicultural Society (C) (3)

CAP 240: Counseling Skills (3)

Electives -- 12 credit hours

CAP 310: Addictions I: Foundations and Basic Principles (3)

CAP 315: Trauma and Crisis Intervention (3)

CAP 320: Theories of Counseling and Psychotherapy (3)

CAP 325: Professional Practice and Ethics in Counseling (3)

CAP 330: Group Counseling (3)

CAP 340: Multicultural Counseling Theory and Practice (3)

CAP 342: Community Outreach, Prevention and Intervention (3)

CAP 420: School Counseling (3)

CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention (3)

FAS 331: Marriage and Family Relationships (SB) (3)

FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)

JUS 305: Principles of Justice Studies (SB) (3)

PSY 315: Personality Theory and Research (SB) (3)

PSY 350: Social Psychology (SB) (3)

PSY 366: Abnormal Psychology (SB) (3)

PSY 369: Biology of Human Sexuality (3)

PSY 385: Psychology of Gender (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu/>

SANCA 233

[cisa@asu.edu](mailto:cisa@asu.edu)

480-727-1526

## **Criminology and Criminal Justice Minor (PPCRJMIN)**

**Campus:** Downtown Phoenix, Online

**Description:**

The minor in criminology and criminal justice allows students in other undergraduate programs at ASU to explore issues of crime, law and the criminal justice system. The program provides students with the tools to analyze complex issues and policies within the criminal justice system,

enhancing students' ability to understand the nature of crime and the system response to law breaking.

In addition to the three required courses which provide a solid understanding of the field, each student selects electives to meet his or her specific interests.

Criminal justice majors may not pursue a minor in criminal justice.

**Program Requirements:**

Program Requirements

1. at minimum, be in junior standing to take upper-division courses.
2. complete CRJ 100 as the prerequisite for all upper-division CRJ courses.
3. complete a minimum of 18 credit hours of graded classroom and online course work (internship or independent study not applicable).
4. complete a minimum of 12 credit hours of CRJ resident credit at ASU.
5. earn a grade of "C" (2.00 on a 4.00 scale) or higher for all classes in the minor.
6. meet with a criminal justice advisor prior to registration.

Required Courses -- 6 credit hours

CRJ 100: Introduction to Criminal Justice (SB) (3)

CRJ 309: Criminology (SB) (3)

Choose one of the following -- 3 credit hours

CRJ 203: Courts and Sentencing (3)

CRJ 230: Introduction to Policing (3)

CRJ 240: Introduction to Corrections (3)

Choose one of the following -- 3 credit hours

CRJ 305: Gender, Crime, and Criminal Justice (C) (3)

CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)

CRJ Electives -- 6 credit hours

CRJ Upper Division Elective (6)

Notes: Choose any two CRJ courses at the 300- or higher level.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in criminology and criminal justice; BS in public service and public policy with the following concentrations: criminology, law and policy, or emergency management and homeland security

Other Enrollment Requirements: None

Applicants are asked to meet with a criminal justice advisor prior to registration.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Criminology and Criminal Justice

<https://ccj.asu.edu/>

## Dance Minor (FADANMIN)

**Campus:** Tempe

### **Description:**

The minor program in dance provides a dynamic and culturally diverse learning environment in which students develop their creativity as artists, scholars and educators. The transdisciplinary curriculum promotes creative collaboration and a holistic approach to acquiring skills for successful career transitions. Movement practices, performance and creativity practice define the core of the program. The rich educational experience is further enhanced by studies in:

- criticism
- dance cultures
- dance history
- digital media
- movement science
- music
- pedagogy and leadership
- philosophy
- production
- somatics

### **Program Requirements:**

The minor in dance consists of 18-19 credit hours of coursework, including 12 upper-division credit hours. A minimum grade of "C" (2.00) or higher is required in all classes for the minor.

A minimum GPA of 3.00 in minor courses is required to earn the minor in dance.

Choose one course -- 3 credit hours

- DCE 100: Introduction to Dance (HU) (3)
- DCE 201: Dance, Culture, and Global Contexts (HU) (3)
- DCE 202: Dance in U.S. Popular Culture (HU & C) (3)

Choose one from the following -- 3 credit hours

- DCE 300: Moving Histories (HU) (3)
- DCE 301: Meaning in Motion (L or HU) (3)
- DCE 303: The Body Condition(ed) (SB) (3)
- DCE 350: Dance in the Classroom: Learning Through Movement (HU) (3)
- DCE 402: Ethnography of Dance Practices (L) (3)
- DCE 404: Dance and Ethics (3)
- DCE 405: Rhetorical Moves (L or HU) (3)

Choose two from the following -- 4 credit hours

- DCE 110: Argentine Tango I (2)
  - DCE 111: Belly Dancing I (2)
  - DCE 112: Capoeira I (2)
  - DCE 113: Dances of Africa I (2)
  - DCE 114: Dances of India I (2)
  - DCE 115: Yoga I (2)
  - DCE 116: T'ai Chi Chuan I (2)
  - DCE 117: Feldenkrais I (2)
  - DCE 118: Yoga/Pilates (2)
  - DCE 120: Modern Dance I (2)
  - DCE 121: Ballet I (2)
  - DCE 122: Jazz I (2)
  - DCE 123: Hip Hop I (2)
  - DCE 124: Latin/Swing/Ballroom I (2)
  - DCE 125: Latin/Salsa I (2)
  - DCE 126: Country-Western (2)
  - DCE 133: Urban Movement Practices I (2)
- Notes: instructor permission/majors level course
- DCE 134: Postmodern Contemporary I (2)

Notes: instructor permission/majors level course

DCE 135: Contemporary Ballet I (2)

Notes: instructor permission/majors level course

DCE 136: Somatic Practices I (2)

DCE 194: Special Topics (2)

Notes: Latinx Social Dances of the Americas- instructor permission/majors level course.

See an Academic Advisor for other approved special topics courses.

DCE 210: Argentine Tango II (2)

DCE 211: Belly Dancing II (2)

DCE 216: T'ai Chi Ch'uan II (2)

DCE 220: Modern Dance II (2)

DCE 221: Ballet II (2)

DCE 222: Jazz II (2)

DCE 223: Hip Hop II (2)

DCE 224: Latin/Swing/Ballroom II (2)

DCE 225: Latin/Salsa II (2)

DCE 240: Media for Dance (CS) (3)

DCE 294: Special Topics (2)

Notes: See an Academic Advisor for approved special topics courses.

DCE 324: Latin/Swing/Ballroom III (2)

Students interested in enrolling in movement courses reserved for Dance majors only must attend the course on the first day of class for placement and instructor permission. Dance major courses: DCE 133 Urban Movement Practices I (2), DCE 134 Postmodern Contemporary I (2), DCE 135 Contemporary Ballet I (2), DCE 136 Somatic Practices I (2).

Dance Electives -- 8 credit hours

Choose eight - nine hours of Dance electives (to complete 18 - 19 hours overall); minor must include 12 upper-division hours.

DCE Upper Division Elective (8-9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: All dance majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Contact Information:**

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<https://filmdancetheatre.asu.edu/>

GHALL 232

fdt@asu.edu

480-965-5337

## **Design Studies Minor (ARDSNMIN)**

**Campus:** Tempe

#### **Description:**

Students interested in design can earn a minor in design studies through this nonstudio-based program of study that focuses on the design disciplines offered in the ASU Herberger Institute:

- architectural studies

- graphic design
- industrial design
- interior design
- landscape architecture

The courses may also appeal to students who wish to pursue the study of design within the BA in interdisciplinary studies.

**Program Requirements:**

Courses selected must satisfy the minimum requirement of 18 credit hours for the minor. 12 of the credit hours must be in 300-level or 400-level coursework; the 18 credits may be chosen from any of the categories.

To enhance understanding of the subject matter, some of the designated courses are sequential in nature and require certain prerequisites.

Consequently, students should carefully note the semester in which these particular courses are offered. All designated courses for the minor in design studies are lecture courses.

Lower Division Design Studies -- 6 credit hours

- ALA 100: Introduction to Environmental Design (HU & H & G) (3)
- ALA 102: Landscapes and Sustainability (HU & G) (3)
- DSC 101: Design Awareness (HU & G) (3)
- EDS 223: Design Thinking (3)
- GRA 101: Designing Life (3)
- GRA 111: Graphic Design History I (HU) (3)
- GRA 112: Graphic Design History II (3)
- GRA 225: Communication/Interaction Design Theory (3)
- GRA 294: Illustrator (3)
- GRA 294: InDesign (3)
- GRA 294: Photoshop (3)
- IND 242: Materials and Design (3)
- IND 243: Design for Ecology and Social Equity (3)
- INT 111: Interior Design Issues and Theories (HU) (3)
- INT 121: Introduction to Computer Modeling for Interior Design (CS) (3)
- INT 123: Introduction to Computer-Aided Design and Building Information Modeling (3)
- INT 131: Design and Human Behavior (SB) (3)
- LAP 254: Plant Materials (3)

Upper Division Design Studies -- 12 credit hours

- APH 313: History of Architecture I ((L or HU) & G & H) or APH 300: World Architecture I/Western Cultures (HU & H & G) (3)
- APH 314: History of Architecture II ((L or HU) & G & H) (3)
- APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU & H) (3)
- APH 414: Great Cities ((L or HU) & H) (3)
- APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU) (3)
- APH 494: Special Topics (3)
- DSC 394: Design Entrepreneurship & Society (3)
- DSC 494: Special Topics (3)
- EDS 301: Sustainable Community Design and Practices (3)
- GRA 345: Design Rhetoric (L) (3)
- GRA 401: Creative Environment (3)
- GRA 440: Finding Purpose (3)
- IND 316: 20th-Century Design I (HU & H) (3)
- IND 317: 20th-Century Design II (HU & H) (3)
- IND 344: Human Factors in Design (3)
- IND 354: Principles of Product Design (3)
- INT 310: History of Interior Design I (HU & H) (3)
- INT 311: History of Interior Design II (HU & H) (3)
- INT 412: History of Decorative Arts in Interiors (HU) (3)
- INT 413: History of Textiles in Interior Design (3)
- INT 415: Latin American Design (3)
- INT 494: Contemporary Design Issues in Europe (3)
- INT 494: Design and Context (3)
- LAP 485: International Field Studies (3)
- LAP 494: Special Topics (3)
- LPH 310: History of Landscape Architecture (HU & H) (3)
- LPH 311: 20th-Century Landscape Architecture (HU) (3)
- LPH 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: All majors in The Design School as well as design studies and design studies (design management)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/>  
CDS 101  
herbergeradvising@asu.edu  
480-965-4495

## Digital Audiences Minor (CSDAUMIN)

**Campus:** Downtown Phoenix, Online

**Description:**

The minor program in digital audiences aims to answer the following questions: Who are digital consumers? How can we measure them? And how can we use what we know to better engage and grow audiences?

By exploring the users of websites, social networks and apps, and applying skills such as analytics, social media execution, network analysis, search engine optimization and search engine marketing, students who pursue the digital audiences minor gain a rich understanding of how to acquire and engage audiences.

The program uses real cases from real brands and organizations to explore tools from Google Analytics to Facebook Audience Insights and tactics from hashtag analysis to competitive keyword research. Upon completion, students have the skills to strategically grow digital audiences and harness analytics to drive organizational change.

**Program Requirements:**

Students must complete MCO 307 first. In order to enroll in the course, students must have a 2.00 cumulative GPA.

To be awarded the minor, students must earn a "C" or better in all courses.

Required Courses -- 15 credit hours

MCO 307: The Digital Audience (3)

MCO 436: Audience Research and Behavior (3)

MCO 437: Audience Acquisition and Engagement (3)

MCO 438: Digital Audience Analysis (3)

MCO 439: Digital Audience Growth (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in digital audiences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor or the department offering the minor for more information: <https://cronkite.asu.edu/undergrad/minor-digital-audiences> (<https://cronkite.asu.edu/undergrad/minor-digital-audiences>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/digital-audience-minor>)

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
<https://cronkite.asu.edu/undergrad/minor-digital-audiences>  
CRONK 222  
cronkiteadvising@asu.edu  
602-496-5055

## Digital Culture Minor (HIDGCMIN)

**Campus:** Tempe

**Description:**

The digital culture minor allows students to enhance their program of study with integrated, interdisciplinary training in creative processes and technical skills in new media with cultural applications.

Students develop both the technical skills to create computational media and the cultural skills to know when or why to apply them. Students in the digital culture minor learn to create computational media (computation combined with objects, sound, video, time, space, culture and bodies), breathe behavior into media, objects or systems by programming, and think critically about how computation impacts our lives and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21st century.

Armed with skills and judgment, digital culture graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All digital culture students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some students go on to invent fresh techniques.

**Program Requirements:**

The digital culture minor requires 21 credit hours (12 upper-division) in four areas.

Courses for the minor may not be used as part of a major. A minimum of 12 upper-division credit hours taken at ASU is required.

Required Digital Culture Studies Courses -- 6 credit hours

AME 111: Introduction to Digital Culture (CS) (3)

AME 112: Computational Thinking for Digital Culture or AME 230: Programming for the Media Arts (CS) (3)

Digital Culture Studies -- 3 credit hours

AME 112: Computational Thinking for Digital Culture (3)

AME 130: Prototyping Dreams (L) (3)

AME 210: Media Editing (3)

AME 244: Introduction to Interactive Environments (3)

AME 310: Media Literacies and Composition (3)

AME 320: Motion Capture for Integrative Systems (3)

AME 330: Digital-Physical Systems (3)

AME 340: Compositional and Computational Principles for Media Arts (3)

AME 394: Special Topics (3)

AME 410: Interactive Materials (3)

AME 430: Mac Development for Media Arts (3)

AME 435: Mobile Development (3)

AME 444: Media Installations (3)

AME 470: Programming for Social and Interactive Media (3)

AME 494: Special Topics (3)  
DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture (3)

Digital Media - Media Arts and Design -- 6 credit hours

AME 294: Special Topics (3)  
AME 394: Special Topics (3)  
AME 494: Special Topics (3)  
ART 206: Digital Photography I: The Still Image in Digital Culture (3)  
ART 217: Introduction to Computer Animation (3)  
ART 440: Experimental Video Art (3)  
ART 494: Visual Prototyping (3)  
CIS 300: Web Design and Development (3)  
EDT 440: Creating and Marketing Mobile Apps (3)  
EEE 307: Signal Processing for Digital Culture (3)  
FMP 240: Introduction to Animation for Film (3)  
FMP 394: Non-Linear Editing for Film and Media (3)  
IAP 103: Foundations I: Interdisciplinary Digital Media (3)  
IAP 104: Foundations I: Fundamentals of Sound Art (3)  
MDC 211: Introduction to Digital Sound (3)  
MDC 311: Composing and Performing for Hybrid Ensembles (3)

Related Digital Culture or Historical/Theoretical -- 3 credit hours

ALA 100: Introduction to Environmental Design (HU & H & G) (3)  
ALA 102: Landscapes and Sustainability (HU & G) (3)  
APH 300: World Architecture I/Western Cultures (HU & H & G) (3)  
APH 313: History of Architecture I ((L or HU) & G & H) (3)  
APH 314: History of Architecture II ((L or HU) & G & H) (3)  
ARA 202: Understanding Photographs (3)  
ARA 396: Professional Practices for Design and the Arts (3)  
ARS 102: Art from Renaissance to Modernism (HU & H) (3)  
ARS 345: Art and Television (3)  
ARS 394: Anime (3)  
ARS 438: Art of the 20th Century I (HU & H) (3)  
ARS 439: Art of the 20th Century II (HU & H) (3)  
ASB 344: Technology and Society (L or SB) (3)  
DCE 300: Moving Histories (HU) (3)  
DSC 101: Design Awareness (HU & G) (3)  
ENT 290: Entrepreneurship: Opportunity to Impact (3)  
ENT 305: Principles of Entrepreneurship (3)  
FMP 403: Independent Film (HU) (3)  
FMP 404: World Cinema (G) (3)  
FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) (3)  
GRA 111: Graphic Design History I (HU) (3)  
GRA 112: Graphic Design History II (3)  
HDA 210: Creativity and Innovation in Design and the Arts (3)  
HDA 252: Foundations Arts and Design Entrepreneurship (3)  
HDA 310: Socially Engaged Practice (3)  
IAP 102: Foundations I: Performance Techniques and Composition (3)  
IAP 105: Foundations I: Fundamentals of Visual Art (3)  
IND 316: 20th-Century Design I (HU & H) (3)  
IND 317: 20th-Century Design II (HU & H) (3)  
INT 111: Interior Design Issues and Theories (HU) (3)  
INT 310: History of Interior Design I (HU & H) (3)  
INT 311: History of Interior Design II (HU & H) (3)  
LPH 310: History of Landscape Architecture (HU & H) (3)  
LPH 311: 20th-Century Landscape Architecture (HU) (3)  
MCO 435: Social Media (3)  
MHL 440: Topics in 20th-Century Music (L or HU) (3)  
MUS 347: Jazz in America (HU & C) (3)  
MUS 354: Popular Music (HU) (3)  
MUS 356: Broadway and the American Musical (HU) (3)  
SOC 334: Technology and Society (L or SB) (3)  
THE 320: History of the Theatre I (HU & H) (3)  
THE 321: History of the Theatre II (HU & H) (3)



THE 322: Theatre History and Culture (HU & H) (3)

THP 482: Theatre for Social Change (C) (3)

Capstone -- 3 credit hours

AME 485: Digital Culture Capstone I (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: All digital culture majors

Other Enrollment Requirements: None

Students are required to meet with the digital culture academic success coordinator to develop the digital culture pathway that best meets the proficiencies for the work they are interested in pursuing.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

[https://herbergerinstitute.asu.edu/degrees/digital\\_culture/](https://herbergerinstitute.asu.edu/degrees/digital_culture/)

STAUF B 217

digitalculture@asu.edu

480-965-9438

## Disability Studies Minor (ASDISASMIN)

**Campus:** West

**Description:**

The minor in disability studies explores historical, linguistic, social, artistic and legal dimensions of disability with the goal of improving society in ways that will benefit those with disabilities.

Through curriculum that combines theory and practice, students will be prepared to address injustices, exclusions and misapprehensions regarding disabilities through advocacy and self-advocacy, education, knowledge of the law and historical awareness. The minor's coursework, designed to complement any undergraduate major, utilizes an electronic portfolio tailored to students' professional interests.

Students will be able to apply the knowledge gained in this program toward careers in policy and advocacy, social work, education, government, and with community and nongovernmental organizations.

**Program Requirements:**

The minor in disability studies consists of 18 credit hours; a minimum of 12 credit hours must be upper-division. 12 credit hours must be completed through coursework in the School of Humanities, Arts and Cultural Studies. Program requirements include six credit hours of core coursework, nine credit hours of electives and three credit hours of culminating experience. All courses used to fulfill the requirements of this minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

DST 101: Introduction to Disability Studies (3)

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Electives -- 9 credit hours

AMS 449 / ETH 449 / WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)

AMS 469 / ETH 469 / WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)  
BIO 312 / IAS 340 / PHI 320: Bioethics (HU) (3)  
DST 322: Social and Cultural Implications of the Many Forms of Disability (3)  
DST 458: Disability and Communication Advocacy (3)  
ENG 469: Science and Literature (L or HU) (3)  
HRC 310: Social and Cultural Studies: Method and Theory (C) (3)  
HRC 494: Veterans and Critical Disability Studies (3)  
IAP 494: Accessibility in Digital Arts and Design (3)  
IAP 494: Disability and Aesthetics (3)  
JUS 301: Research in Justice Studies (SB) (3)  
JUS 437: The Social Construction of Disability and Justice (3)  
JUS 494: Policy, Advocacy and Disability (3)  
SOC 400: Perspectives on Aging (SB) (3)  
SOC 426: Social Inequality (SB) (3)  
WST 444: Gender, Health, and Bodies (SB) (3)

Culminating Course -- 3 credit hours

HRC 480: Capstone: Practices and Approaches (L) or IAP 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: Disability Studies BA

Other Enrollment Requirements:

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the Degree Audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/humanities-arts-cultural-studies-degree-programs>  
FAB N100  
HArCSadvising@asu.edu  
602-543-3000

## Early Childhood Education Minor (TEECEDMIN)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Description:**

A minor in early childhood education allows students to combine their knowledge of their major discipline with an understanding of educational practices for young children and their families. The ultimate goal of this minor is to produce graduates who understand and apply knowledge of child development and collaboration within educational community contexts. The service learning experience embedded in this minor enables students to apply their knowledge and skills to authentic educational contexts in the community.

**Program Requirements:**

The minor in early childhood education requires 18 credit hours.

Required Courses -- 18 credit hours

ECS 310: Foundations in Typical / Atypical Child Development (3)  
ECS 312: Social and Emotional Development of the Young Child (SB) (3)  
ECS 431: Family, Community and Professional Support Systems (3)  
EDP 310: Educational Psychology for Non-Teachers (SB) (3)

Notes: Complete three one-hour courses in EDP 310  
TEL 215: Introduction to Child and Adolescent Development (SB) (3)  
USL 210: Service Learning: Intro to Diverse Community Issues (L & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: All education majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu/>  
ED 118  
[educationadvising@asu.edu](mailto:educationadvising@asu.edu)  
480-965-5555

## Economics Minor (LAECNMIN)

**Campus:** Tempe

**Description:**

Economics is a social science that examines how societies, businesses and individuals deal with scarcity, and this minor in economics offers instruction by world-renowned researchers and award-winning professors. Students study micro- and macroeconomic concepts that are changing the landscape of today's dynamic world.

Students who pursue the minor in economics create a personalized program of study that covers economic theory and applications. Students complete introductory courses (ECN 211 and ECN 212) and choose electives from a large set of upper-division offerings to suit individual interests and goals.

**Program Requirements:**

The minor in economics consists of 18 credit hours in economics courses, of which 12 credit hours must be upper-division courses. A minimum of six upper-division credit hours must be taken in courses offered by the W. P. Carey School of Business. Only courses completed with a grade of "C" (2.00 on a scale of 4.00) or better can be used to satisfy minor requirements.

Required Courses -- 6 credit hours

ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB) (3)

ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB) (3)

Electives -- 12 credit hours

ECN Upper Division Elective (12)

Upper-division economics courses offered by W. P. Carey may require additional prerequisites. In addition to ECN 211 and 212, students must complete MAT 210 and MAT 211 or MAT 270 and 271 prior to enrolling in ECN upper-division courses.

No more than three credit hours of ECN 484 Internship may be applied to the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in economics; BS in economics (politics and the economy); BS in politics and the economy

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Economics Program in CLAS

<https://thecollege.asu.edu/content/economics-0>

CPCOM 412

wpcareyecn@asu.edu

480-965-3531

## Educational Studies Minor (TEEDSTMIN)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Description:**

Learning happens everywhere and at all ages. The educational studies minor prepares graduates to work with children, youth and adults in nonprofit settings, community institutions, civic organizations and businesses. It provides a foundation for students to shape the role of education in society and the act of learning.

Students interested in career and technical education certificates can use the educational studies minor to meet coursework requirements for the Career and Technical Education certificate. Additional requirements for the CTE certificate, including work experience, are not included in the minor. Students interested in obtaining the CTE certificate should refer to the Arizona Department of Education website for further information.

**Program Requirements:**

The minor in educational studies requires a minimum of 18 credit hours, including nine lower-division credits and nine upper-division credits. A "C" grade or better is required in all upper-division coursework.

Required Courses (choose two) -- 6 credit hours

EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) (3)

SPE 222: Orientation to Education of Exceptional Children (SB & C) (3)

TEL 111: Exploration of Education (SB) (3)

TEL 200: Social Embeddedness of Educational Endeavors (3)

TEL 208: Literacy in a Changing World (3)

TEL 215: Introduction to Child and Adolescent Development (SB) (3)

Required Service Learning -- 3 credit hours

USL 210: Service Learning: Intro to Diverse Community Issues (L & C) (3)

General Overview of Education -- 9 credit hours

ECS 312: Social and Emotional Development of the Young Child (SB) (3)

EDP 310: Educational Psychology for Non-Teachers (SB) (1-6)

Notes: Up to six 1-credit EDP 310 topics can be taken.

TEL 430: Learning Outside of School (3)

TEL 431: Learning in Workplaces (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: All education majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu/>  
ED 118  
educationadvising@asu.edu  
480-965-5555

## Engineering Management Minor (ESENMMIN)

**Campus:** Tempe, Online

**Description:**

The minor in engineering management is a program designed to provide students with the skills for effective management and leadership of engineering-driven enterprises. This minor can also be used by interdisciplinary studies BA students as part of their degree program.

The minor curriculum supplements students' majors by adding to the breadth of engineering science and design and equipping the student with additional management and design skills. This knowledge is augmented with an understanding of business practices, organizational behavior and management skills to enable the student to succeed in the management of a scientific or engineering enterprise. Topics such as project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management are covered, in addition to product design and process development.

**Program Requirements:**

The program of study for a minor in engineering management requires a minimum of 18 credit hours. Note that industrial engineering or engineering management majors will NOT be eligible for the minor.

The minor requires completion of four core courses (12 credit hours) and two elective courses (six credit hours) for a total of 18 credit hours. All courses must be passed with a "C" or better. At least 12 credit hours must be completed in residency at ASU or through ASU Online.

Core Courses -- 12 credit hours

IEE 220: Business and Industrial Engineering or IEE 380: Probability and Statistics for Engineering Problem Solving (CS) (3)

Notes: Students whose major requires IEE 380 "Probability and Statistics for Engineering Problem Solving" (3) will need to take IEE 220 "Business and Industrial Engineering" (3) for the engineering management minor. Online students are required to complete IEE 380 as part of their core.

IEE 300: Economic Analysis for Engineers (3)

IEE 431: Engineering Administration (L) (3)

IEE 458: Project Management or CEE 481: Civil Engineering Project Management (3)

Notes: CEE 481 may not be used for both the civil engineering degree (major) and the engineering management minor.

Electives -- 6 credit hours

IEE 369: Work Analysis and Design (L) (3)

IEE 376: Operations Research Deterministic Techniques/Applications (3)

IEE 381: Lean Six Sigma Methodology (3)

IEE 412: Introduction to Financial Engineering (3)

IEE 454: Risk Management (3)

IEE 456: Introduction to Systems Engineering (3)

IEE 474: Quality Control (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BSE in engineering management and BSE in industrial engineering

Other Enrollment Requirements: Prior to enrolling in the minor, students must have completed MAT 265 and MAT 266 (or an equivalent calculus sequence) with a grade of "C" or better in each.

Interested students should consult with a School of Computing, Informatics and Decision Systems Engineering advisor to verify eligibility and to review all courses required for the minor. To schedule a CIDSE advising appointment, students should visit <https://fultonapps.asu.edu/advising> (<https://fultonapps.asu.edu/advising>).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Industrial, Systems & Operations Engineering Prgm  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/minor/>  
CTRPT 105  
[cidse.undergrad@asu.edu](mailto:cidse.undergrad@asu.edu)  
480-965-3199

## English Minor (ASENGMIN)

**Campus:** West

**Description:**

The minor in English is an ideal choice for students who enjoy English and desire to become better writers, readers and thinkers. The program requirements ground students in the basics of literary and cultural study, and the distribution area requirement allows for a range of course offerings in linguistics, rhetoric and literature. With its emphasis on critical reading and writing skills, the English minor is the perfect complement to any major.

**Program Requirements:**

The minor in English requires a minimum of 21 credit hours, of which 15 credit hours must be upper division. Students must complete a minimum of six upper division credit hours in courses offered by the School of Humanities, Arts, and Cultural Studies. At least six credit hours of Distribution coursework must be at the 400 level. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Core Course -- 3 credit hours

ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Distribution Cluster Requirement -- 15 credit hours

Select one course from each distribution cluster. Fifteen credits are required, and at least two courses, for six upper-division credits, must be at the 400 level.

Identities, Communities and Social Practices -- 3 credit hours

ENG 312: English in its Social Setting (L or HU or SB) (3)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

ENG 400: History of Literary Criticism (L or HU) (3)

ENG 401: Topics in Critical Theory (3)

ENG 420: Multicultural Autobiographies ((L or HU) & C) (3)

ENG 440: Studies in American Literature and Culture (HU) (3)

ENG 454: Gender and Literature (L or HU) (3)

ENG 456: Studies in Forensic Linguistics (3)

ENG 460: Ethnic Women Writers (3)

ENG 461: Studies in Women and Literature (HU) (3)

ENG 462: Africana Literature (HU & G) (3)

ENG 463: African American Literature (3)

ENG 472: Rhetorical Studies (L) (3)  
ENG 479: Studies in Postmodernism (HU & G) (3)

Literature and Culture, Pre-1860 -- 3 credit hours

ENG 221: Survey of English Literature (HU) (3)  
ENG 241: Literatures of the United States to 1860 ((L or HU) & C) (3)  
ENG 315: Medieval Literature in Translation (HU) (3)  
ENG 321: Shakespeare (L or HU) (3)  
ENG 328: The Novel to Jane Austen (HU & H) (3)  
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)  
ENG 415: Studies in Medieval Literature and Culture (HU) (3)  
ENG 416: Chaucer in Middle English (HU) (3)  
ENG 421: Studies in Shakespeare (L or HU) (3)  
ENG 423: Renaissance Drama (L or HU) (3)  
ENG 425: Studies in Romanticism (HU) (3)  
ENG 432: The American Renaissance (HU) (3)  
ENG 440: Studies in American Literature and Culture (HU) (3)

Literature and Culture, Post-1860 -- 3 credit hours

ENG 222: Survey of English Literature (HU & H) (3)  
ENG 242: Literatures of the United States, 1860 to Present (HU) (3)  
ENG 334: The American Southwest in Literature and Film ((L or HU) & C) (3)  
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)  
ENG 369: Science Fiction Studies (3)  
ENG 386: American Gothic (3)  
ENG 431: Whitman and Dickinson (L or HU) (3)  
ENG 437: The American Novel, 1900 - 1960 (L or HU) (3)  
ENG 438: American Novel Since 1960 (L or HU) (3)  
ENG 440: Studies in American Literature and Culture (HU) (3)  
ENG 450: The British Novel (HU) (3)  
ENG 471: Literature for Young Adults (HU) (3)  
ENG 478: Studies in Modernism (L or HU) (3)  
ENG 479: Studies in Postmodernism (HU & G) (3)

Theories and Practices of Writing -- 3 credit hours

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)  
ENG 311: Persuasive Writing (L) (3)  
ENG 323: Rhetoric and Grammar (L) (3)  
ENG 335: American Poetry (3)  
ENG 361: Scriptwriting (3)  
ENG 379: Travel Writing (L) (3)  
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)  
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)  
ENG 410: Writing for Publication (3)  
ENG 457: Studies in American Poetry (HU) (3)  
ENG 490: Literary Forms: Theory and Practice in Poetry (3)

Transnational, Linguistic and Textual Circulation -- 3 credit hours

ENG 213: Introduction to the Study of Language (3)  
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)  
ENG 333: American Ethnic Literature ((L or HU) & C) (3)  
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)  
ENG 379: Travel Writing (L) (3)  
ENG 413: History of English Language (HU) (3)  
ENG 462: Africana Literature (HU & G) (3)  
ENG 498: Reading Englands Literary Landscapes (L) (3)

Elective Courses -- 3 credit hours

ENG Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in English

Other Enrollment Requirements: None

The minor in English is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/english-minor>

FAB N100

harcadvising@asu.edu

602-543-3000

## English Minor (LAENGMIN)

**Campus:** Online

**Description:**

A minor in English provides students with the strong analytical and communications skills required by many professions, such as those in publishing, journalism, public relations, nonprofit organizations, professional and technical writing, education, business, banking, grassroots activism, law and medicine, as well as numerous others throughout industry and government.

The minor in English is delivered entirely online and serves as a complement to the chosen major of undergraduate students who are pursuing an ASU major online.

**Program Requirements:**

The online minor in English consists of 24 credit hours. At least 12 of the 24 credit hours must be upper-division and at least 6 credit hours of the upper-division work must be taken at the 400-level. The remaining nine credit hours may be completed with ENG 200-499 courses. At least six of the upper-division credits must be earned from the College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Required Course -- 3 credit hours

ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Electives -- 21 credit hours

ENG 2\*\* Elective or ENG 3\*\* Elective or ENG 4\*\* Elective (9)

ENG 4\*\* Elective (6)

ENG Upper Division Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in English

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in



pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/english>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
englishadvising@asu.edu  
480-965-3168

## English Minor (LSENGMIN)

**Campus:** Polytechnic

**Description:**

The minor in English focuses on effective writing, critical thinking and reading sophisticated literary and nonliterary texts.

**Program Requirements:**

The English minor consists of 24 credit hours.

All coursework for the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher. A minimum of 12 upper-division credit hours is required, of which at least six credit hours must be taken through the College of Integrative Sciences and Arts.

Required Course -- 3 credit hours

ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Additional Requirements -- 21 credit hours

ENG Elective (9)

ENG Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00 cumulative GPA

Incompatible Majors: BA in English

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## English (Linguistics) Minor (LAENGMINN)

**Campus:** Tempe

**Description:**

Students pursuing a minor in English with a focus in linguistics study the nature, variation and structure of language.

ASU's Department of English has an extensive internship program offering placements in publishing, media and marketing, government, second-language teaching, nonprofits and film festivals. The English department also boasts rigorous undergraduate research opportunities and options for cultural and community involvement.

**Program Requirements:**

The minor in English with a focus in linguistics consists of 24 credit hours. A minimum of 12 upper-division credit hours are required, with at least six credit hours from courses offered by the College of Liberal Arts and Sciences. Courses must be completed with a grade of "C" (2.00 on a scale of 4.00) or better to satisfy minor requirements.

Required Courses -- 15 credit hours

ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

ENG 213: Introduction to the Study of Language (3)

ENG 312: English in its Social Setting (L or HU or SB) (3)

ENG 314: Modern Grammar (3)

ENG 413: History of English Language (HU) (3)

English Survey Course -- 3 credit hours

ENG 221: Survey of English Literature (HU) (3)

ENG 222: Survey of English Literature (HU & H) (3)

ENG 241: Literatures of the United States to 1860 ((L or HU) & C) (3)

ENG 242: Literatures of the United States, 1860 to Present (HU) (3)

English Electives -- 6 credit hours

ENG Elective (3)

ENG Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in English (all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of

Department of English

<https://english.asu.edu/>

RBHL 170

[englishadvising@asu.edu](mailto:englishadvising@asu.edu)

480-965-3168

## English (Literature) Minor (LAENGMINT)

**Campus:** Tempe

**Description:**

The minor program in English, with a concentration in literature, focuses upon British, American and global literatures in English, from the earliest writings to the present.

ASU's Department of English has an extensive internship program offering placements in publishing, media and marketing, government, second-language teaching, nonprofits and film festivals. The department also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

### **Program Requirements:**

The minor in English with a focus in literature consists of 24 credit hours. At least 12 credit hours must be completed at the upper-division level, with a minimum of six upper-division credit hours from courses offered by the Department of English in the College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Required Core Course -- 3 credit hours

ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Literature Areas and Periods (choose from 3 of the 4 categories) -- 9 credit hours

Students must complete at least one course in 3 of the 4 Literature and Culture Track Lists. One course must be completed at the 400-level.

Literature and Culture Before 1800

ENG 201: World Literature (HU & H & G) (3)

ENG 202: World Literature (HU & H) (3)

ENG 221: Survey of English Literature (HU) (3)

ENG 241: Literatures of the United States to 1860 ((L or HU) & C) (3)

ENG 303: Classical Backgrounds of English Literature (HU) (3)

ENG 315: Medieval Literature in Translation (HU) (3)

ENG 316: Literary Readings of the Hebrew Bible (L or HU) (3)

ENG 321: Shakespeare (L or HU) (3)

ENG 325: Restoration and the 18th Century (3)

ENG 326: English Drama 1660-1800 (HU) (3)

ENG 328: The Novel to Jane Austen (HU & H) (3)

ENG 415: Studies in Medieval Literature and Culture (HU) (3)

ENG 416: Chaucer in Middle English (HU) (3)

ENG 418: Renaissance Literature (L or HU) (3)

ENG 421: Studies in Shakespeare (L or HU) (3)

ENG 422: Special Topics in Shakespeare (HU) (3)

ENG 423: Renaissance Drama (L or HU) (3)

ENG 424: Milton (HU) (3)

ENG 425: Studies in Romanticism (HU) (3)

ENG 427: Studies in 18th-Century Literature and Culture (HU) (3)

ENG 476: Studies in Folklore ((L or HU or SB) & C) (3)

Literature and Culture After 1800

ENG 204: Topics in Contemporary Literature (HU) (3)

ENG 222: Survey of English Literature (HU & H) (3)

ENG 242: Literatures of the United States, 1860 to Present (HU) (3)

ENG 245: Popular Culture Issues (L) (3)

ENG 329: 19th-Century British Fiction (L or HU) (3)

ENG 330: 19th-Century British Poetry (3)

ENG 333: American Ethnic Literature ((L or HU) & C) (3)

ENG 335: American Poetry, Slam Poetry (3)

ENG 337: Major American Novels (L or HU) (3)

ENG 338: Protest Literature (3)

ENG 342: 20th-Century British and Irish Literature (HU) (3)

ENG 345: American Losers, Noir Fiction and Film, Prison Literature (3)

ENG 347: Modern Israeli Literature in Translation (HU & G) (3)

ENG 352: Short Story (L or HU) (3)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)

ENG 359: Indigenous American Literature ((L or HU) & C) (3)

ENG 360: Western American Literature (L or HU) (3)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)

ENG 364: Women and Literature (HU) (3)

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)

ENG 369: Science Fiction Studies (3)  
 ENG 426: British Culture and Empire , Self, Other and Monster at the Fin de Siecle (3)  
 ENG 429: Studies in European Literature and Culture ((L or HU) & G & H), European Romanticism ((L or HU) & G & H), Politics & Culture in European Short Fiction ((L or HU) & G & H), Staging Politics in Modern Europe ((L or HU) & G & H) (3)  
 ENG 430: Studies in Victorian Literature and Culture (L or HU), Darwin (L or HU) (3)  
 ENG 434: Studies in the Literature and Culture of the Americas (HU & C), Nobel Laureates (HU & C), Spies and Hackers (HU & C) (3)  
 ENG 435: Literatures and Cultures of Immigration and Diaspora (3)  
 ENG 436: Studies in Anglophone Literature and Culture , Carnivores, Cannibals, and Consumerism , Postcolonial Studies (3)  
 ENG 440: Studies in American Literature and Culture (HU) (3)  
 ENG 442: Studies in 20th-Century British and Irish Literature and Culture , Britains Angry Decades: Lit/Culture 1945-65 (3)  
 ENG 445: Studies in American Realism (L or HU) (3)  
 ENG 447: Experimental Narrative (3)  
 ENG 448: Studies in Irish Literature and Culture (HU) (3)  
 ENG 452: Studies in the Novel (HU) (3)  
 ENG 457: Studies in American Poetry (HU), Indigenous Poetry (HU) (3)  
 ENG 458: Latina/o Literature ((L or HU) & C) (3)  
 ENG 461: Studies in Women and Literature (HU) (3)  
 ENG 465: Studies in Film (3)  
 ENG 469: Science and Literature (L or HU) (3)  
 ENG 470: Symbols and Archetypes in Children's Literature (L or HU) (3)  
 ENG 471: Literature for Young Adults (HU) (3)

#### Literature and Culture: Transnational, Postcolonial and Global Literature

ENG 316: Literary Readings of the Hebrew Bible (L or HU) (3)  
 ENG 347: Modern Israeli Literature in Translation (HU & G) (3)  
 ENG 359: Indigenous American Literature ((L or HU) & C) (3)  
 ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)  
 ENG 429: Studies in European Literature and Culture ((L or HU) & G & H), European Romanticism ((L or HU) & G & H), Politics & Culture in European Short Fiction ((L or HU) & G & H), Staging Politics in Modern Europe ((L or HU) & G & H) (3)  
 ENG 434: Studies in the Literature and Culture of the Americas (HU & C), Nobel Laureates (HU & C), Spies and Hackers (HU & C) (3)  
 ENG 435: Literatures and Cultures of Immigration and Diaspora (3)  
 ENG 436: Studies in Anglophone Literature and Culture , Carnivores, Cannibals, and Consumerism , Postcolonial Studies (3)  
 ENG 457: Indigenous Poetry (HU) (3)  
 ENG 458: Latina/o Literature ((L or HU) & C) (3)

#### Literature and Culture: Literary Theory and Interdisciplinary Studies

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)  
 ENG 400: History of Literary Criticism (L or HU) (3)  
 ENG 401: Topics in Critical Theory (3)  
 ENG 434: Studies in the Literature and Culture of the Americas (HU & C) (3)  
 ENG 435: Literatures and Cultures of Immigration and Diaspora (3)  
 ENG 436: Postcolonial Studies (3)  
 ENG 469: Science and Literature (L or HU) (3)  
 ENG 472: Rhetorical Studies (L) (3)  
 ENG 476: Studies in Folklore ((L or HU or SB) & C) (3)

#### Electives -- 12 credit hours

ENG 2\*\* Elective or ENG 3\*\* Elective or ENG 4\*\* Elective (3)  
 ENG Upper Division Elective (9)

#### Enrollment Requirements:

GPA Requirement: None

Incompatible Majors: BA in English (including all concentrations); BAE in secondary education (English)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
englishadvising@asu.edu  
480-965-3168

**Environmental Science Minor (ASENVMIN)**

**Campus:** West, ASU@Lake Havasu

**Description:**

The environmental science minor provides students with a fundamental understanding of how the natural world functions as a system, how changes in this system influence organisms and humans, and in turn, how this system is impacted by humans. Students who complete this minor have the foundational knowledge to apply environmental concepts and awareness to their future careers. Many career fields have environmental applications including business and entrepreneurship, the health industry, economics, and academic research careers.

An understanding of human-environment interactions gained through this minor will augment students' major field of study and empower them to leverage their future careers to address environmental issues. To accommodate broad interests for students from a variety of majors, the curriculum is designed to allow students to explore their interests by choosing from categories of scientific coursework and skill-based curricula to provide applied experiences for students from a variety of majors.

**Program Requirements:**

The minor in environmental science consists of 15 credit hours, of which 12 credit hours must be upper-division. A minimum of nine credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirement -- 6 credit hours

ENV 201: Fundamentals of Environmental Science (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) or IAS 409 / PHI 409: Eco-Community Ethics (HU) or PHI 310: Environmental Ethics (HU) (3)

Upper Division Electives -- 9 credit hours

Choose a minimum of nine credit hours from the following categories. Students may choose freely from among the categories; it is not necessary to take one from each or all from one category.

Global/Ecosystem Focus:

BIO 422: Ecosystem Ecology (3)

CHM 302: Environmental Chemistry (3)

ENV 410: Soil Science (4)

LSC 434: Marine Ecology (3)

MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory (4)

Organismal Focus:

BIO 370: Vertebrate Zoology (4)

BIO 385: Comparative Invertebrate Zoology (4)

BIO 410: Techniques in Conservation Biology and Ecology (L) (3)

BIO 412: Conservation in Practice (3)

BIO 474: Herpetology (4)

PLB Upper Division Elective (3-4)

Skills in Environmental Science:

ENV 345: Spatial Analysis in the Environmental Sciences (3)

ENV 385: Environmental Impact Assessment (3)

ENV 388: Research Fundamentals for the Natural Sciences (L) (3)

ENV 499: Individualized Instruction (1-3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS and BA environmental science

Other Enrollment Requirements: This first course in this minor (ENV 201) has prerequisites of BIO 181, BIO 182 and CHM 116.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/environmental-science-minor>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Environmental and Resource Management Minor (ESERMMIN)

**Campus:** Polytechnic

**Description:**

The minor in environmental and resource management provides students with a thorough introduction to environmental regulations and key environmental management issues such as the provision of clean, potable water, wastewater treatment, and solid and hazardous waste management, as well as remediation technologies for polluted soils, groundwater and air. Students learn to apply basic science and engineering principles to solving problems that significantly impact human health and ecosystems.

The environmental and resource management minor program provides a valuable option to other majors that focus on environmental issues whether from a technical or policy perspective. The courses form a coherent whole and demonstrate the connection between science, engineering, public policy and the law.

**Program Requirements:**

The minor requires completion of four core courses (12 credit hours) and two elective courses (six credit hours) for a total of 18 credit hours. At least 12 credit hours must be completed in residency at ASU.

The following are required courses that must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher:

Core Courses -- 12 credit hours

ERM 201: Environmental Management (3)

ERM 203: Environmental Regulations (3)

ERM 302: Water and Wastewater Treatment Technology (3)

ERM 402: Unit Treatment Technologies (3)

Electives -- 6 credit hours

ERM 401: Hazardous Waste Management (3)

ERM 406: Environmental Chemistry (3)

ERM 407: Occupational Hygiene (3)

ERM 426: Environmental Issues (3)

ERM 428: International Environmental Management (G) (3)

ERM 432: Sustainable Solid Waste Management (3)

ERM 494: Algae in Water/Energy/Food Nexus (3)

ERM 494: Environmental Health (3)

ERM 494: Environmental Management Leadership (3)

ERM 494: Tribal Environ & Natural Resources Management (3)

## ERM 494: Utilizing Algae Technology for Diverse Products (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in environmental and resource management

Other Enrollment Requirements: Interested students must have at least sophomore status. Students should consult with a Polytechnic School advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should go to <https://fultonapps.asu.edu/advising> (<https://fultonapps.asu.edu/advising>).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/ERM>  
WANER 240  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## **Ethnic Studies Minor (ASETHMIN)**

**Campus:** West

### **Description:**

The minor program in ethnic studies introduces a general conceptual framework regarding race and ethnicity and how these intersect in the construction of social formations. The program is offered by the School of Humanities, Arts and Cultural Studies.

### **Program Requirements:**

The minor in ethnic studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Up to three credit hours of individualized instruction may be applied toward the minor. Students are encouraged meet with an academic advisor to choose courses that develop breadth rather than limiting their selection to courses in one particular discipline. All courses must be passed with a minimum grade of "C" (2.00) or better.

Required Courses -- 6 credit hours

ETH 100: Ethnic and Indigenous Lives (SB & C) (3)

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Upper Division Electives (chosen from the following) -- 12 credit hours

ENG 420 / IAS 420: Multicultural Autobiographies ((L or HU) & C) (3)

ENG 462: Africana Literature (HU & G) (3)

ENG 463: African American Literature (3)

ENG 476: Studies in Folklore ((L or HU or SB) & C) (3)

ETH 353 / ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

ETH 354 / ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)

ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)

ETH 428 / AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)

ETH 430 / WST 430: Gender on the Borderlands (SB & G) (3)

ETH 450: Latina/os, Schooling and Social Inequality (C) (3)

ETH 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

ETH 499: Individualized Instruction (3)

HST 419: 20th Century Chicano/a History (C) (3)

SBS 301: Cultural Diversity ((L or SB) & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in ethnic studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/ethnic-studies-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Family and Human Development Minor (LAFASMIN)

**Campus:** Tempe, Online

**Description:**

The minor in family and human development exposes students to the basic coursework and issues within the discipline. This program provides an exceptional complement to studies in psychology, communication, education, business and nursing.

This program is offered by the T. Denny Sanford School of Social and Family Dynamics.

**Program Requirements:**

The minor in family and human development consists of 18 credit hours in family studies and child development. At least 12 of the 18 credit hours must be in upper-division courses. At least one elective course must come from the CDE prefix. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours

CDE 232: Human Development (SB) (3)  
FAS 101: Personal Growth in Human Relationships (SB) (3)  
FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)

Upper Division Electives -- 9 credit hours

At least one course must be a CDE elective.

CDE 312: Adolescence (SB) (3)  
CDE 337: Early Childhood Intervention (3)  
CDE 418: Aging and the Life Course (SB & H) (3)  
CDE 430: Infant/Toddler Development in the Family (SB) (3)  
CDE 450: Child Dysfunction in the Family (3)  
CDE 498 / FAS 498: Pro-Seminar (3)  
FAS 301: Introduction to Parenting (3)  
FAS 324: Work and the Workplace (SB & H) (3)  
FAS 331: Marriage and Family Relationships (SB) (3)  
FAS 332: Human Sexuality (SB) (3)  
FAS 410: Military Family Systems in a Democracy (3)



FAS 435: Advanced Marriage and Family Relationships (L or SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in family and human development

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu/>  
SS 144  
advisor@asu.edu  
480-965-6978

## Fashion Minor (HIFSHMIN)

**Campus:** Tempe

**Description:**

The minor program in fashion offers grounding in the history, social context and economics of the contemporary fashion industry. Students also have the option of pursuing more focused classes designed to introduce students to a variety of roles in this important industry: fashion history, fashion industry business practices and fashion production.

Among the subjects that may be related to students' majors are marketing and merchandising, costuming, wearable technology, sustainability, management and leadership, international experience, and fashion and culture. Due to the relationship of these subjects to a wide variety of disciplines taught at ASU, many students throughout the university may supplement their major with closely related fashion minor classes, creating a strong foundation for a variety of careers. Opportunities for study abroad could further advance students' professional goals.

Taught by well-known fashion industry professionals, students enrolled in the minor in fashion at ASU develop connections to leaders in the industry.

**Program Requirements:**

Courses selected must satisfy the minimum requirement of 18 credit hours for the minor; nine of the credit hours must be upper-division (300 or 400-level) coursework.

BIS Concentration students must complete 12 credit hours of upper-division credits; all Fashion Electives must be upper-division (300 or 400-level) coursework.

Required Courses -- 9 credit hours

FSH 125: Survey of the Fashion Industry or FSH 394: Personal Style and Wardrobe (3)

FSH 201: Textiles Survey (3)

Students should start with FSH 201 & FSH 125/394. After completing these, then students can go on to FSH 435.

FSH 435: Contemporary Fashion (3)

Fashion Electives -- 3 credit hours

ART 110: Drawing as Seeing and Thinking (HU) (3)

FSH 194: Special Topics (3)

FSH 204: Social Aspects of Fashion (L or HU or SB) (3)  
FSH 280 / MKT 280: Fashion Merchandising (3)  
FSH 294: Special Topics (3)  
FSH 300: Global Fashion Industry (3)  
FSH 394: Special Topics (1)  
FSH 494: Special Topics (3)  
HDA 294: Fashion Hairstyling Basics (<https://webapp4.asu.edu/catalog/courselist?s=FSH&t=2197&hon=F>) > FSH Elective (3)  
(3)  
MKT 390: Essentials of Marketing (3)  
MKT 391: Essentials of Selling (3)  
MKT 395: Essentials of Advertising and Marketing Communication (3)  
MKT 397: Essentials of Global Marketing (3)  
THE 430: History of Fashion I (HU) (3)  
THE 431: History of Fashion II: 20th-Century Fashion (3)

Upper Division Fashion Electives -- 6 credit hours

FSH 300: Global Fashion Industry (G) (3)  
FSH 394: Special Topics (3)  
FSH 494: Special Topics (3)  
MKT 390: Essentials of Marketing (<https://webapp4.asu.edu/catalog/courselist?s=FSH&l=upperdivision&t=2197&hon=F>) > FSH Upper Division Elective (3)  
(3)  
MKT 391: Essentials of Selling (3)  
MKT 395: Essentials of Advertising and Marketing Communication (3)  
MKT 397: Essentials of Global Marketing (3)  
THE 430: History of Fashion I (HU) (3)  
THE 431: History of Fashion II: 20th-Century Fashion (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BA in fashion

Other Enrollment Requirements:

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Film and Media Production Minor (FAFMPMIN)

**Campus:** Tempe

**Description:**

Students pursuing the film and media production minor study the basic production processes of film while learning about the history and practices of the film and media industry as well as the cultural value of cinema, television and digital media.

**Program Requirements:**

The school offers a minor in film and media production, consisting of 18 credit hours of coursework. A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met. Transfer students may transfer up to six credit hours toward the minor.

**Required Courses -- 12 credit hours**

- FMP 201: Film: The Creative Process I (HU) (3)
- FMP 250: Sex and Violence in Film and TV: Ethics Survey (3)
- FMP 300: Focus on Film , Film Production: Non-Majors (3)
- FMP 403: Independent Film (HU) (3)

**Upper Division Film Electives -- 6 credit hours**

- FMP 318: Directing for Film and Media I (3)
- FMP 320: Film and Media Post-Production II (3)
- FMP 325: Guerilla VFX (3)
- FMP 330: Professional and Technical Writing for Film/TV Industry (3)
- FMP 335: Careers in Film and Media Industry (3)
- FMP 345: Cinematography I (3)
- FMP 361: Intermediate Screenwriting (3)
- FMP 365: Developing a Series (3)
- FMP 370: Producing for Film and Media (3)
- FMP 394: Special Topics (3)
- FMP 404: World Cinema (G) (3)
- FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) (3)
- FMP 417: Business and Legal Practices in Entertainment (3)
- FMP 418: Directing for Film and Media II (3)
- FMP 465: Series Writers Workshop (3)
- FMP 475: Producing Series (3)
- FMP 494: Special Topics (3)
- THE 406: American Multicultural Film (HU & C) (3)
- THE 421: Shakespeare: Stage and Film (L or HU) (3)
- THE 430: History of Fashion I (HU) (3)
- THE 431: History of Fashion II: 20th-Century Fashion (3)
- THP 330: Costume Design (3)
- THP 340: Scene Design (3)
- THP 345: Lighting Design (3)
- THP 350: Sound Design (3)
- THP 351: Arts Management (3)
- THP 355: Media Design for Performance (3)
- THP 394: Writing for Horror, SciFi, and Fantasy (3)
- THP 442: Drawing (3)
- THP 444: Drafting for the Stage (3)
- THP 445: Advanced Lighting Design (3)
- THP 452: Arts Entrepreneurship Seminar (3)
- THP 455: Advanced Media Design (3)
- THP 494: Art Direction (3)
- THP 494: Properties for the Stage (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in film (filmmaking practices); BA in film (film and media production)

Other Enrollment Requirements:None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Film and Media Studies Minor (LAFMSMIN)

**Campus:** Tempe, Online

**Description:**

The film and media studies minor is useful for students who want to explore the critical and creative study of film and media. Students can select to study a range of courses that emphasize media and society, media industries, styles and genres and screenwriting.

ASU's Department of English has an extensive internship program, offering placements in publishing, media and marketing, government, nonprofits and film festivals. The department also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

**Program Requirements:**

The film and media studies minor consists of 18 credit hours. Of the 18 credit hours, 12 credit hours must be upper-division courses. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours

FMS 100: Introduction to Film (HU) (3)

FMS 200: Film History ((L or HU) & H) (3)

FMS 300: Television and Cultural Studies (L or HU) (3)

Electives -- 9 credit hours

FMS Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in film (film and media studies); BA in film (film and media production)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/node/259>  
RBHL 170  
englishadvising@asu.edu  
480-965-3168

## Food and Nutrition Management Minor (ECFNTRMIN)

**Campus:** Downtown Phoenix

**Description:**

The food and nutrition management minor is available to any ASU student interested in developing a greater understanding of nutrition, the food industry and food service operations.

**Program Requirements:**

The minor requires students to take the following courses, for a total of 18 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.

Required minor courses -- 18 credit hours

NTR 100: Introductory Nutrition or NTR 241: Human Nutrition (3)

NTR 142: Applied Food Principles (3)

NTR 300: Computer Applications in Nutrition (3)

NTR 343: Food Service Purchasing (3)

NTR 344: Nutrition Management and Leadership (L) (3)

NTR 445: Management of Food Service Systems (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in nutrition; BS in nutrition (dietetics); BS in nutrition (human nutrition)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## French Minor (LAFREMIN)

**Campus:** Tempe

**Description:**

Students pursuing a minor in French gain an understanding of the language, literature and cultures of French-speaking peoples and regions. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. For more information, students should go to <https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages> (<https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages>).

**Program Requirements:**

The French minor requires 18 upper-division credit hours. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better. Course substitutions are allowed for heritage and advanced speakers of the language with approval from an academic advisor in the School of International Letters and Cultures.

Required Courses -- 18 credit hours

FRE 305: Readings in French Literature (G) (3)

FRE 311: Oral and Written Expression I (G) (3)  
FRE 312: Oral and Written Expression II (G) (3)  
FRE 321: French Cultural Masterpieces I ((L or HU) & H) or FRE 322: French Cultural Masterpieces II (L or HU) (3)  
FRE 4\*\* Elective (3)  
FRE Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in French

Other Enrollment Requirements: None

Students who wish to add a minor in French to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Geography Minor (LAGCUMIN)

**Campus:** Tempe, Online

**Description:**

The geography minor, rooted in a foundation of cultural and physical geography, encourages students to explore intersections of place and space. Students in the minor gain a unique understanding of the modern world from both the local and global perspectives. Students also gain a deeper understanding of how humans impact landscapes.

**Program Requirements:**

The minor in geography requires a minimum of 19 credit hours, of which at least 12 credit hours must be upper-division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Cultural Geography (choose one) -- 3 credit hours  
GCU 102: Introduction to Human Geography (SB & G) (3)  
GCU 121: World Geography (SB & G) (4)  
GCU 241: The Global Economy in Transition (SB & G) (3)

Physical Geography -- 4 credit hours  
GPH 111: Introduction to Physical Geography (SQ) (3)  
GPH 112: Introduction to Physical Geography Lab (SQ) (1)

Upper-Division Electives -- 12 credit hours  
GPH OR GCU OR GIS Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in geography; BS in geography (urban studies); BS in geography (meteorology-climatology)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://geoplan.asu.edu/degree-programs/undergraduate-minors-and-certificates/geography>  
COOR 5671  
SGSUP.advising@asu.edu  
480-965-7533

## Geological Sciences Minor (LAGLGMIN)

**Campus:** Tempe

**Description:**

The geological sciences minor is designed for students interested in developing a basic understanding of earth science and analyzing issues through a scientific viewpoint.

**Program Requirements:**

The minor in geological sciences consists of a minimum of 21 credit hours, at least thirteen credit hours of which must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 15 credit hours

GLG 101: Introduction to Geology I (Physical) (SQ) (3)  
GLG 102: Introduction to Geology II (Historical) (SG & H) (3)  
GLG 103: Introduction to Geology I-Laboratory (SQ) (1)  
GLG 104: Introduction to Geology II-Laboratory (SG) (1)  
GLG 310: Structural Geology (3)  
GLG 321: Mineralogy (3)  
SES 401: Earth and Space Exploration Colloquium (1)

Electives -- 6 credit hours

GLG Upper Division Elective (6)

Courses in other related subjects may be approved by an academic advisor in the School of Earth and Space Exploration. Students should receive approval for substitutions prior to registration.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in earth and environmental studies; BS in earth and space exploration (geological sciences)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu>  
ISTB4 795  
[sese-advising@asu.edu](mailto:sese-advising@asu.edu)  
480-965-5081

## German Minor (LAGERMIN)

**Campus:** Tempe

**Description:**

Students pursuing a minor in German gain an understanding of the language, literature and cultures of German-speaking peoples and regions. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Students should go to <https://mystudyabroad.asu.edu/> (<https://mystudyabroad.asu.edu/>) for more information.

**Program Requirements:**

The German minor requires 18 hours, 15 of which must be upper-division. Three credit hours of GER 200-level coursework may be applied to the German minor. Course substitutions are allowed for heritage and advanced speakers of the language. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

GER 200-level Coursework (choose one) -- 3 credit hours

GER 201: Intermediate German I (G) (4)

GER 202: Intermediate German II (G) (4)

GER 210: Intensive German II (G) (6)

Three credit hours of 200-level coursework will be applied to the minor and any additional credit hours earned will be applied toward university elective hours.

Required Course -- 3 credit hours

GER 310: Advanced German Grammar and Composition I (G) (3)

Choose two courses -- 6 credit hours

GER 311: German Conversation (G) (3)

GER 312: Readings in German Culture (G) (3)

GER 313: Advanced German Grammar and Composition II (G) (3)

Electives -- 6 credit hours

GER 4\*\* Elective (3)

GER Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in German

Other Enrollment Requirements: None

Students who wish to add a minor in German to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.



Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Global Health Minor (LASSHMIN)

**Campus:** Tempe, Online

**Description:**

The minor in global health is a transdisciplinary program designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved. Global health is understood in the anthropological sense, meaning ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time and that can integrate knowledge of health's social, historical, biological and ecological dimensions.

**Program Requirements:**

The minor in global health is comprised of 18 credit hours, at least 12 of which must be upper division. A minimum grade of "C" (2.00 on a scale of 4.00) is required for courses used toward the minor.

The minor in global health is also available in an online format to complement the studies of ASU Online students.

Required Core Course -- 3 credit hours

ASB 100: Introduction to Global Health (SB & G) (3)

Upper-Division Core Electives (choose three) -- 9 credit hours

ASB 300 / SSH 300: Food and Culture ((L or SB) & C) (3)

ASB 301 / HST 301 / SSH 301: Global History of Health (SB & G & H) (3)

ASB 305: Poverty and Global Health ((L or SB) & G) (3)

ASB 316: Money and Culture (L or SB) (3)

ASB 327: Disaster! ((L or SB) & C) (3)

ASB 355: Traditional Medicine and Healing (HU or SB) (3)

ASB 357: Society, Drugs and Health (SB & G) (3)

ASB 370: Ethics of Eating (L or SB) (3)

ASB 376: Global Health Policy (3)

ASB 378 / TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) (3)

ASB 462: Medical Anthropology: Culture and Health (SB & C) (3)

ASM 345: Disease and Human Evolution (3)

ASM 401: Health and Human Biology (3)

ASM 414 / SOS 414: Urban and Environmental Health (SB) (3)

SSH 314 / MIC 314: HIV/AIDS: Science, Behavior, and Society (3)

Study Abroad Experience -- 6 credit hours

SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) or students choose another approved global health study abroad experience (summer session, six credits minimum) (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in global health

**Other Enrollment Requirements:**

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
480-965-6215

## Global Studies Minor (LASGSMIN)

**Campus:** Tempe, Online

**Description:**

The minor program in global studies offers students exposure to global processes and institutions from a transdisciplinary perspective. The program aims to provide students with an introduction to the tools and skills necessary to make connections linking theory with challenging global issues.

**Program Requirements:**

The minor in global studies consists of 18 credit hours in global studies courses, of which 12 credit hours must be upper-division courses. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences. Courses that count toward the minor must be passed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

SGS 101: Thinking Globally: The Individual and Authority (SB & G) or SGS 301: Principles of Global Studies (G) (3)  
SGS 303: Global Trends (SB) (3)

Electives -- 12 credit hours

SGS Elective (3)  
SGS Upper Division Elective (9)

A maximum of three credit hours of SGS 484 International Experience or three credit hours of SGS 499 Individualized Instruction may be applied to the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in global studies

Other Enrollment Requirements: None

An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/international-flags-flag-poles-night>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
spgs@asu.edu  
480-965-8563

## Health Care Compliance and Regulations Minor (NUHCCRMIN)

**Campus:** Downtown Phoenix, West

**Description:**

A minor in health care compliance and regulations allows students to combine the knowledge of their major discipline with the foundational and advanced knowledge required to support regulatory compliance in a health-focused environment. The minor program integrates best practices from the business, regulatory, ethics and engineering fields as well as from the medical industry to enhance a student's major discipline with a focus on regulatory and ethical compliance in the health care industry.

**Program Requirements:**

This minor requires 18 credit hours.

HCR 260: Health Care Industry and Regulation (3)

HCR 261: Health Care Compliance (3)

HCR 263: Introduction to Medical Billing and Compliance (3)

HCR 360: Data Security and Privacy in Health Care Compliance (3)

HCR 362: Monitoring and Auditing for Health Care Compliance (3)

HCR 460: Investigations and Disclosures in Health Care Compliance (3)

A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in health care compliance and regulations

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/non-degree/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## Health Care Coordination Minor (NUHCCOMIN)

**Campus:** Downtown Phoenix, West

**Description:**

A minor in health care coordination allows students to combine the knowledge of their major discipline with the foundational and advanced concepts of health care coordination. Students completing this innovative minor have the knowledge to navigate the health care system and assist in the coordination of health care for individuals and families and optimize outcomes.

**Program Requirements:**

This minor requires 18 credit hours.

HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) (3)

HCR 221: Foundational Concepts for Health Care Coordination (3)

HCR 302: Social Determinants of Health (3)

HCR 321: Advanced Concepts for Health Care Coordination (3)

HCR 420: Professional Role Development: Health Care Coordination (3)

HCR 422: Policy and Financial Principles in Health Care Coordination (3)

"C" (2.00 on a 4.00 scale) or better is required in all courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in health care coordination

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/non-degree/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## Health Innovation Minor (NUHCIMIN)

**Campus:** Downtown Phoenix, West

**Description:**

The health innovation minor provides students with the foundational concepts necessary to contribute to transformational change in real-world health situations. This program gives students an understanding of initiating, implementing and sustaining innovation in health settings.

**Program Requirements:**

This minor requires 15 upper-division credit hours.

HCI 311: Health Innovation: Foundational Concepts (3)

HCI 412: Transforming Health Care: A Systems Perspective for Innovation (3)

HCI 421: Health Care Policy: The Innovator's View (3)

HCI 425: Facilitating Innovation to Achieve Outcomes (3)

HCI 428: Technology: A Tool to Advance Innovation in Health Care (3)

A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in health innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/non-degree/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## History Minor (ASHISMIN)

**Campus:** West

**Description:**

The minor in history educates students in the use of basic tools and methods of the historical discipline. Students are exposed to a broad span of history, both temporally and geographically, ranging from the ancient world through the modern period and extending from Europe to Latin America and the United States.

The program is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**

The minor in history consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper division credit hours must be completed through HST courses offered by the School of Humanities, Arts, and Cultural Studies. Students wishing to pursue the minor should meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses used to satisfy requirements for the minor must be passed with a grade of "C" (2.00) or better.

History Survey Requirements -- 6 credit hours

Choose one of the following sets:

HST 100: Global History to 1500 (HU & H & G) AND HST 101: Global History Since 1500 (HU & H & G) (6)

HST 109: United States to 1865 ((HU or SB) & H) AND HST 110: United States Since 1865 (SB & H) (6)

HST 102: Western Civilization: Ancient and Medieval Europe (SB & H) or HST 103: Western Civilization: Renaissance to Enlightenment ((HU or SB) & H) or HST 104: Western Civilization: French Revolution to European Union ((HU or SB) & G & H) (6)

Upper Division History Requirements -- 12 credit hours

HST 495: Methods of Historical Inquiry (L) (3)

HST Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in history

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in

pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/history-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## History Minor (LAHISMIN)

**Campus:** Tempe, Online

**Description:**

Students who pursue the minor in history study the growth and development of human society from all aspects: political, social, economic and cultural. The program covers the history of the United States, Europe, Asia, Latin America and Africa. Courses are designed to give students both breadth and depth in understanding today's complex world.

**Program Requirements:**

The history minor consists of 18 credit hours of coursework, at least 12 of which must be upper-division. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses in the minor. A minimum of six upper-division credit hours must be in courses offered by the College of Liberal Arts and Sciences.

The minor in history is available to students in both on-campus and ASU Online degree programs. ASU Online students choose courses from the designated track lists below.

Lower-Division Core Survey Courses (choose two courses) -- 6 credit hours

- HST 100: Global History to 1500 (HU & H & G) (3)
- HST 101: Global History Since 1500 (HU & H & G) (3)
- HST 102: Western Civilization: Ancient and Medieval Europe (SB & H) (3)
- HST 103: Western Civilization: Renaissance to Enlightenment ((HU or SB) & H) (3)
- HST 104: Western Civilization: French Revolution to European Union ((HU or SB) & G & H) (3)
- HST 106: Asian Civilizations ((HU or SB) & G & H) (3)
- HST 108: Introduction to Japan (SB & G & H) (3)
- HST 109: United States to 1865 ((HU or SB) & H) (3)
- HST 110: United States Since 1865 (SB & H) (3)
- HST 111: Introduction to Asia (HU & H & G) (3)

Geographic Focus Courses (choose one course from each geographic area) -- 9 credit hours

Upper-Division Courses in African, Asian or Latin American History (choose one course)

- HST 302: Envisioning Peace ((HU or SB) & G & H) (3)
- HST 302: Introduction to Peace Studies ((HU or SB) & G & H) (3)
- HST 302: The Mexico City 1968 Olympics in Global Context ((HU or SB) & G & H) (3)
- HST 303: Studies in Asian History (SB & H) (3)
- HST 305: Studies in Latin American History (SB & H) (3)
- HST 307: Studies in African History (H) (3)
- HST 372: Modern Middle East (SB & G & H) (3)
- HST 375: Colonial Latin America (SB & H) (3)
- HST 376: Modern Latin America (SB & H) (3)
- HST 383: China (SB & H) (3)
- HST 384: Modern China: 1700 to the Present (SB & G & H) (3)
- HST 385: History of Chinese Medicine (HU & H & G) (3)
- HST 386: Interpreting China's Classics ((L or HU) & H) (3)
- HST 387: Japan ((L or SB) & H) (3)
- HST 388: Japan (SB & G & H) (3)
- HST 389: Japan Society and Values/Premod (3)
- HST 391: Modern Southeast Asia (SB & G & H) (3)
- HST 392: Modern India (3)
- HST 404: Conquest and Encounters in Colonial Latin America (L & G) (3)

HST 435: The Russian Empire (SB & H) (3)  
HST 436: The Soviet Experiment (SB & G & H) (3)  
HST 441: Latin America and the World Economy (L & G & H) (3)  
HST 443: The United States and Latin America (SB & G & H) (3)  
HST 444: Latin American Independence ((L or HU) & G) (3)  
HST 445: 20th-Century Cuba (SB & G & H) (3)  
HST 447: Modern Mexico (SB & H) (3)  
HST 451: Chinese Cultural History I ((HU or SB) & H) (3)  
HST 452: Chinese Cultural History II (SB & G & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)  
HST 459: Gandhi and the Politics of Nonviolence (3)

Upper-Division Courses in European History (choose one course)

HST 304: Studies in European History (SB & H) (3)  
HST 309: Exploration and Empire ((L or HU) & H) (3)  
HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) (3)  
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (3)  
HST 348: Rome (SB & H) (3)  
HST 349: Early Middle Ages ((HU or SB) & H) (3)  
HST 350: Later Middle Ages ((HU or SB) & H) (3)  
HST 351: Renaissance Europe ((L or HU or SB) & H) (3)  
HST 352: Europe's Reformations ((L or HU or SB) & H) (3)  
HST 353: Old Regime in Europe (SB & H) (3)  
HST 354: Revolutionary Europe (SB & H) (3)  
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)  
HST 356: Europe since 1945 (SB & G & H) (3)  
HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)  
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)  
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)  
HST 361: Witchcraft and Heresy in Europe ((L or HU) & H) (3)  
HST 362: Sex and Society in Classical and Medieval Europe (SB & H) (3)  
HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H) (3)  
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)  
HST 365: World Wars I and II: Europe's Eastern Front (3)  
HST 366: England to 1689 (SB & H) (3)  
HST 367: Modern Britain (SB & H) (3)  
HST 368: Culture and Imagination in European History (HU & H) (3)  
HST 369: History and Memory of the Holocaust (3)  
HST 370: Eastern Europe in Transition (SB & G & H) (3)  
HST 373: Roman History I: Foundations and Republic (3)  
HST 374: Roman History II: The Roman Empire (3)  
HST 397: Greece and Rome at War (3)  
HST 423: The Tudor Monarchy (SB & H) (3)  
HST 424: The Stuart Monarchy (SB & H) (3)  
HST 426: The British Empire (H) (3)  
HST 427: French Revolution/Napoleonic Era (SB & H) (3)  
HST 429: Modern Germany (SB & G & H) (3)  
HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)  
HST 435: The Russian Empire (SB & H) (3)  
HST 436: The Soviet Experiment (SB & G & H) (3)  
HST 438: Modern Spain ((HU or SB) & G & H) (3)  
HST 439: Athenian Democracy (H) (3)  
HST 465: Women in Europe, 1750 to Present ((HU or SB) & H) (3)

Upper-Division Courses in U.S. History (choose one course)

HST 306: Studies in United States History ((HU or SB) & H) (3)  
HST 314: American Cultural History Since 1865 ((HU or SB) & H) (3)  
HST 315: Political History of the U. S. (SB & H) (3)  
HST 316: 20th-Century U.S. Foreign Relations (SB & H) (3)  
HST 317: History of Postwar U.S. Conservatism (3)  
HST 320: U.S. Urban History since 1850 (SB & H) (3)  
HST 321: Constitutional History/US to 1865 (SB & H) (3)  
HST 322: Constitutional History of the United States Since 1865 (H) (3)  
HST 323: Historical Studies in Race, Crime, and the Law (3)

HST 325: Immigration and Ethnicity in the United States (SB & H & C) (3)  
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) (3)  
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)  
HST 329: Women in 20th-Century U.S. West (H & C) (3)  
HST 331: Mexican American History to 1900 (SB & H & C) (3)  
HST 332: Mexican American History Since 1900 (SB & H & C) (3)  
HST 333: African American History to 1865 (SB & H & C) (3)  
HST 334: African American History Since 1865 ((HU or SB) & C & H) (3)  
HST 335: History of Black Women in America (SB & H) (3)  
HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)  
HST 338: American Indian History since 1900 ((HU or SB) & C & H) (3)  
HST 340: American Military History (SB & H) (3)  
HST 341: U.S. West 19th Century (SB & H) (3)  
HST 342: U.S. West 20th Century (SB & H) (3)  
HST 343: American Southwest ((L or SB) & H) (3)  
HST 344: Arizona (SB & H) (3)  
HST 345: Environmental History (L) (3)  
HST 377: Sports in United States History (3)  
HST 379: History of College Sports (3)  
HST 405: Colonial American History to 1763 (SB & H) (3)  
HST 406: American Revolution/1763-1789 (SB & H) (3)  
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H) (3)  
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)  
HST 409: Emergence Modern U.S. 1877-1918 (SB & H) (3)  
HST 412: Contemporary U.S., 1973- Present (SB & H) (3)  
HST 413: Contemporary America ((L or SB) & H) (3)  
HST 414: Political History and Leadership (3)  
HST 419: 20th Century Chicano/a History (C) (3)  
HST 443: The United States and Latin America (SB & G & H) (3)  
HST 448: Mexican/U.S. Border (3)  
HST 449: Mexican Immigration to the U.S. ((L or SB) & H & C) (3)  
HST 456: The Vietnam War (SB & G & H) (3)

Elective -- 3 credit hours

HST Upper Division Elective (3)

#### ASU Online Minor Requirements

ASU Online Lower-Division Core Survey Courses (choose two courses) -- 6 credit hours

HST 100: Global History to 1500 (HU & H & G) (3)  
HST 101: Global History Since 1500 (HU & H & G) (3)  
HST 109: United States to 1865 ((HU or SB) & H) (3)  
HST 110: United States Since 1865 (SB & H) (3)

ASU Online Geographic Focus Courses (choose one course from each geographic area) -- 9 credit hours

ASU Online Upper-Division Courses in African, Asian or Latin American History (choose one course)

HST 302: The Mexico City 1968 Olympics in Global Context ((HU or SB) & G & H) (3)  
HST 303: Studies in Asian History (SB & H) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
HST 391: Modern Southeast Asia (SB & G & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)

ASU Online Upper-Division Courses in European History (choose one course)

HST 304: Studies in European History (SB & H) (3)  
HST 309: Exploration and Empire ((L or HU) & H) (3)  
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (3)  
HST 354: Revolutionary Europe (SB & H) (3)  
HST 361: Witchcraft and Heresy in Europe ((L or HU) & H) (3)  
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)

ASU Online Upper-Division Courses in U.S. History (choose one course)

HST 306: Studies in United States History ((HU or SB) & H) (3)



HST 314: American Cultural History Since 1865 ((HU or SB) & H) (3)  
HST 325: Immigration and Ethnicity in the United States (SB & H & C) (3)  
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) (3)  
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)  
HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)  
HST 340: American Military History (SB & H) (3)  
HST 345: Environmental History (L) (3)  
HST 379: History of College Sports (3)  
HST 406: American Revolution/1763-1789 (SB & H) (3)  
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H) (3)  
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)  
HST 413: Contemporary America ((L or SB) & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)

ASU Online Elective -- 3 credit hours  
HST Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in history; BA in history (secondary education); BAE in secondary education (history)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/193>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## History Minor (LSHISMIN)

**Campus:** Polytechnic

**Description:**

The minor in history focuses on American history, European history, Southwest history, environmental history, the history of technology, the history of engineering and related fields.

**Program Requirements:**

The history minor consists of 18 credit hours. All coursework for the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours

HST Elective (6)

HST Upper Division Elective (12)

Notes: Six credit hours must be taken through the College of Integrative Sciences and Arts.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this

minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in history; BA in history of science, ideas and innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

CISA@asu.edu

480-727-1526

## History of Science, Ideas and Innovation Minor (LSHSIIMIN)

**Campus:** Polytechnic

**Description:**

Science and technology shape every facet of modern human life, but all too frequently the underlying histories and ideas go unexamined. The minor program in the history of science, ideas and innovation helps students understand how society reached its present state and helps them reflect on what the future might hold by providing a foundation in the social and intellectual issues central to understanding the intertwined histories of science, technology and ideas.

**Program Requirements:**

The minor of history of science, ideas and innovation requires 15 credit hours, as follows:

1. A minimum of six upper-division credit hours in the minor must be taken in courses offered through the College of Integrative Sciences and Arts.
2. Courses that count toward the minor must have a grade of "C" (2.00 on a scale of 4.00) or higher.
3. 12 credit hours of upper-division history courses are required.

Required Course -- 3 credit hours

HST 280: History of Science, Ideas and Innovation (H) (3)

Elective Courses -- 12 credit hours

HST 309: Exploration and Empire ((L or HU) & H) (3)

HST 318: History of Engineering ((L or SB) & G) (3)

HST 319: History of Aviation (H) (3)

HST 345: Environmental History (L) (3)

HST 380: Studies in the History of Science (3)

HST 381: Studies in the History of Ideas (3)

HST 382: Studies in the History of Innovation and Technology (3)

HST 482: Writing and the History of Science, Ideas and Technology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00 cumulative GPA

Incompatible Majors: BA in history; BA in history of science, ideas and innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
[cisa@asu.edu](mailto:cisa@asu.edu)  
480-727-1526

## Human Nutrition Minor (ECNTRMIN)

**Campus:** Downtown Phoenix

**Description:**

The human nutrition minor program is available to any ASU student interested in a strong scientific understanding of human nutrition.

**Program Requirements:**

The minor requires students to take the following courses, for a total of 19 credit hours. All courses in the minor require a minimum grade of "C" (2.00 on a 4.00 scale) or higher.

Students pursuing the BS in Nutrition (Human Nutrition), Nutrition (Dietetics) or BS Nutrition may not add this minor.

Required minor courses -- 19 credit hours

NTR 241: Human Nutrition (3)

NTR 341: Medical Nutrition Therapy I (3)

NTR 440: Advanced Human Nutrition I (3)

NTR 441: Advanced Human Nutrition II (3)

NTR 444: Medical Nutrition Therapy II (3)

NTR 446: Medical Nutrition Therapy III (4)

Additional prerequisite requirements: CHM 101 or 113, BIO 201, BIO 202 and BCH 361

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in nutrition; BS in nutrition (dietetics); BS in nutrition (human nutrition); BS in health sciences (healthy lifestyles coaching); BAS in applied science (food service management)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion>  
HLTHN 401AA

## Human Systems Engineering Minor (ESHSEMIN)

**Campus:** Polytechnic

### **Description:**

The minor in human systems engineering in the Ira A. Fulton Schools of Engineering provides students with an understanding of the science of human performance and with experience using methods and tools that will enable them to apply their understanding to design and problem-solving. These skills can be used in a wide variety of domains, such as product usability, learning design, sports performance, and workplace and hospital safety.

A broad range of professions need experts in human factors to work on problems that involve an understanding of human performance. Interest areas include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, health psychology, learning optimization, social cognition, threat detection and sports psychology.

### **Program Requirements:**

The minor requires 21 credit hours. All required minor courses must be passed with a "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 18 credit hours

HSE 101: Introduction to Human Systems Engineering (SB) (3)

HSE 225: Human Systems Integration (3)

HSE 230: Statistics for Human Systems Research I (CS) (3)

HSE 290: Experimental Methods for Human Systems Research (L) (3)

HSE 323: Perceptual Systems (SB) or HSE 324: Applied Cognitive Science (SB) (3)

HSE 325: Human-Computer Interaction (3)

Elective Course -- 3 credit hours

HSE 422: Human Factors in Sport (3)

HSE 423: Human Factors in Transportation (3)

HSE 424: Human Automation Interaction (3)

HSE 425: Human Factors in Medical Systems (3)

HSE 426: Training and Expertise (3)

HSE 427: Designing for Learning (3)

HSE 428: Judgment and Decision Making (3)

HSE 429: Product Design and Evaluation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in human systems engineering

Other Enrollment Requirements: None

Interested students must have at least junior status. Students should consult with a Polytechnic School advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should go to <https://fultonapps.asu.edu/advising> (<https://fultonapps.asu.edu/advising>).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering

<https://poly.engineering.asu.edu/hse/>  
WANER 240J  
polyadvising@asu.edu  
480-727-1874

## Innovation in Society Minor (FIFISMIN)

**Campus:** Tempe

### **Description:**

The minor program in innovation in society equips students with the tools needed to analyze how science, technology and other social forces shape our present and future. Students cultivate the critical-thinking skills needed to develop creative strategies that steer innovation towards the needs and values of society. Students are trained to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can develop proposals for how to build better futures. It enables students to understand the broader context of their major and helps them mesh those studies with other disciplines to develop more encompassing solutions to important problems.

### **Program Requirements:**

FIS 111: Welcome to the Future (3)

FIS 201: Innovation in Society (H) (3)

FIS 305: Ways of Knowing (L) (3)

FIS Upper Division Elective (3)

FIS Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Contact Information:**

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/degree/innovation-society-1>  
INTDSB 256  
sfisundergrad@asu.edu  
480-727-0627

## Integrative Health Minor (NUIHLTMIN)

**Campus:** Downtown Phoenix, West

### **Description:**

The integrative health minor program provides students with the foundational knowledge to approach health from a holistic perspective that focuses on the mind, body and spirit. The minor program provides an overview of holistic approaches as well as emphasizes research, evidence-based approaches and the legal, ethical, historical and cultural foundations of integrative health care.

### **Program Requirements:**

This minor requires 18 credit hours.

Required Courses -- 15 credit hours

HCR 241: Foundations of Integrative Health (3)

HCR 341: Biological, Manipulative, and Body-Based Therapies (3)  
HCR 342: Mind-Body and Energy Therapies and Modalities (3)  
HCR 343: Historical and Cultural Foundations of Integrative Health Care (3)  
HCR 440: Interprofessional Approaches to Integrative Health Care (3)

Elective -- 3 credit hours  
BIO OR CHM Elective (3-4)

A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in integrative health

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/non-degree/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## Integrative Social Science Minor (LSISSMIN)

**Campus:** Polytechnic

**Description:**

The minor program in integrative social science is designed to provide general education in the social sciences for individuals who desire exposure to the variety of theories and methods of social scientists. Individuals seeking to expand their analytical, problem solving and strategic planning skill sets will benefit from this minor.

The minor is useful to engineers, technologists and other professionals whose specialized education may not have given them access to social science research theories and methodologies, though their professional activities demand knowledge of those tools.

**Program Requirements:**

The minor requires 18 credit hours. All students must complete the 15 credit hours of required courses and three credits from the list of electives. Because of their specific design for this particular minor, required courses for the 15 credit hours cannot be substituted. All courses used to meet the three-credit hour elective component must be upper-division (numbered 300- to 400-level). Transfer hours cannot be used to meet the requirements for the 15 credit hours of courses required.

Required Courses -- 15 credit hours

ISS 301: Integrated Social Science Research Methods (SB) or POS 301: Empirical Political Inquiry (SB) or STS 301: Research in Science and Technology Studies (SB) (3)

ISS 302: Scope of Social Science (SB) (3)

ISS 304: Integrated Theories of Social Science (SB) (3)

ISS 401: Statistics for Integrated Social Science (MA) or POS 401: Political Statistics (CS) or STS 401: Statistics in Science and Technology Studies (CS) (3)

STS 304: Science, Technology, and Society (SB) (3)

Elective Course -- 3 credit hours

POS 316: American Political Institutions (3)  
POS 325: Public Policy Development (SB) (3)  
POS 485: Political Economy (SB) (3)  
SOC 332: The Modern City (G) (3)  
SOC 352: Social Change (SB & G & H) (3)  
SOC 420: Sociology of Religion (L or SB) (3)  
SOC 421: Education and Society (SB) (3)  
STS 306: Social Effects of Science and Technology (SB) (3)  
STS 317: Science, Technology, and Global Engagement (SB & G) (3)  
STS 329: Technology in Developing Countries (SB & G) (3)  
STS 330: Information Technology and Globalization (SB & G) (3)  
STS 331: Ethical Issues in Science and Technology (SB) (3)  
STS 332: Global Issues in Science and Technology (SB) (3)  
STS 364: Science, Technology, and National Security (SB) (3)  
WST 300: Women and Gender in Contemporary Society (SB & C) (3)  
WST 380: Race, Gender, and Class (SB & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
[cisa@asu.edu](mailto:cisa@asu.edu)  
480-727-1526

## Interdisciplinary Organizational Studies Minor (ASIOSMIN)

**Campus:** West

**Description:**

The minor program in interdisciplinary organizational studies is designed to increase understanding of the behavior and the dynamics of individual, group and organizational processes in the workplace. It incorporates perspectives from the behavioral and social sciences, communication studies and management. The minor is learner-centered and allows students to select coursework that matches their career and educational goals.

The program is offered by the School of Social and Behavioral Studies.

**Program Requirements:**

The minor in interdisciplinary organizational studies consists of 21 credit hours (a minimum of 18 credit hours must be upper division). The research methods course must be approved by an academic advisor prior to enrollment. Students will complete 12 credit hours in courses focused on organizations and three credit hours from courses focused on diversity within organizations. The internship site must be approved by the Internship Advisor prior to enrollment. All courses used to satisfy the requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

PSY 453: Organizational Behavior (SB) (3)

Research Methods course must be chosen in consultation with an academic advisor in the School of Social and Behavioral Sciences from the  
Academic Catalog Archive 2019-2020

following:

COM 308: Advanced Research Methods in Communication (L) (3)

PSY 230: Introduction to Statistics (CS) (3)

SBS 304: Social Statistics I (CS) (3)

Cluster 1 Courses Focused on Organizations -- 12 credit hours

Choose four courses from the following list:

COM 320: Communication and Consumerism (SB) (3)

COM 400: Dissent in Organizations (HU & C) (3)

COM 450: Organizational Communication (SB) (3)

COM 451: Communication and Work Relationships (3)

COM 453: Communication Training and Development (3)

PHI 360: Business and Professional Ethics (HU) (3)

PSY 482: Social Influence and Consumer Behavior (SB) (3)

PSY 484 / COM 484: Internship or SOC 484: Internship (3)

SOC 443: Sociology of Corporations (SB & G) (3)

Cluster 2 Courses Focused on Diversity Within Organizations -- 3 credit hours

Choose one course from the following list:

COM 463: Intercultural Communication in a Global Context (SB & G) (3)

POS 437: Women, Power, and Politics (G) (3)

SOC 270: Racial and Ethnic Relations (SB & C) (3)

SOC 400: Perspectives on Aging (SB) (3)

SOC 426: Social Inequality (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in interdisciplinary organizational studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/interdisciplinary-organizational-studies-minor>

FAB N100

sbsadvising@asu.edu

602-543-3000

## Interior Design History Minor (ARINTMIN)

**Campus:** Tempe

**Description:**

The minor in interior design history is available to students interested in design and culture. The courses designated for the minor are part of the professional studies in interior design environments and serve to inform students about the evolution of interiors, furnishings and decorative arts from ancient Egypt to the present. The coursework introduces theories informing the profession of interior design while also examining cultures from around the globe, as they influence human needs and behaviors in the living and working environment.



**Program Requirements:**

A minimum of 18 credit hours (12 credit hours of which must be from the 300 or 400 level) are required for the minor. A minimum grade of "C" (2.00) is required in all classes for the minor. To enhance the understanding of the subject matter, the selected courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which any of these courses are offered. A minimum GPA of 2.50 in minor courses is required to earn the minor in Interior Design History.

**Required Courses -- 12 credit hours**

DSC 101: Design Awareness (HU & G) (3)

INT 111: Interior Design Issues and Theories (HU) (3)

INT 310: History of Interior Design I (HU & H) (3)

Notes: INT 310 requires a prerequisite of ARS 102 "Art from Renaissance to Modernism" with a C or better.

INT 311: History of Interior Design II (HU & H) (3)

**Interior Design History Courses -- 6 credit hours**

INT 412: History of Decorative Arts in Interiors (HU) (3)

INT 413: History of Textiles in Interior Design (3)

INT 415: Latin American Design (3)

INT 494: Contemporary Design Issues in Europe (3)

INT 494: Design and Context (3)

INT 494 "Contemporary Design Issues in Europe" and INT 494 "Design and Context" are offered as part of a summer study abroad program only.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BSD in interior design

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Design & the Arts, Herberger Institute for

The Design School

<https://design.asu.edu/degree-programs>

CDN 162

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Italian Minor (LAITAMIN)

**Campus:** Tempe

**Description:**

Students pursuing a minor in Italian gain an understanding of the language, literature and cultures of Italian-speaking peoples and regions. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Students should go to <https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages> (<https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages>) for more information.

**Program Requirements:**

The Italian minor requires 18 credit hours. A minimum of 12 credit hours must be upper-division. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

ITA 311: Speak Italy: Language, People, Culture (G) or ITA 312: Write Italy: Language, People, Culture (L & G) (3)

ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans or ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)

Electives -- 12 credit hours

Students may apply a maximum of six credit hours of 200-level ITA courses toward the minor. If both ITA 201 and ITA 202 are completed, the additional two credit hours will be counted toward university elective credit. All remaining electives must be upper-division ITA courses, of which at least three credit hours must be completed at the 400-level.

ITA 201: Intermediate Italian I (G) (4)

ITA 202: Intermediate Italian II (G) (4)

ITA 210: Intensive Italian II (G) (6)

ITA 311: Speak Italy: Language, People, Culture (G) (3)

ITA 312: Write Italy: Language, People, Culture (L & G) (3)

ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G) (3)

ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (3)

ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)

ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)

ITA 394: Special Topics (1-4)

ITA 413: Advanced Italian (G) (3)

ITA 414: French and Italian Popular Culture (HU & G) (3)

ITA 420: Italian Cinema (L & G) (3)

ITA 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G) (3)

ITA 484: Internship (3)

ITA 494: Special Topics (1-4)

Additional courses can be used toward minor electives with permission of an academic advisor in the School of International Letters and Cultures.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Italian

Other Enrollment Requirements: None

Students who wish to add a minor in Italian to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

School of International Letters and Cultures

<https://silc.asu.edu/degrees/undergrad/minor-certs>

LL 440

[silcadvising@asu.edu](mailto:silcadvising@asu.edu)

480-965-6281

## **Justice Studies Minor (LAJUSMIN)**

**Campus:** Tempe, Online

#### **Description:**

The minor in justice studies is designed for students interested in developing an understanding of the meaning of justice and injustice and analyzing controversial issues. In addition to the two required courses, which provide a solid understanding of the field, students will be able to select electives to meet their specific interests.

**Program Requirements:**

The minor requires a minimum of 18 credit hours. At least 12 credit hours must be at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

JUS 105: Introduction to Justice Studies (SB) or JUS 305: Principles of Justice Studies (SB) (3)

JUS 303: Justice Theory (L) (3)

Electives -- 12 credit hours

Select any JUS course except JUS 301, JUS 302 or any course listed as a required course for JUS majors.

JUS Elective (3)

JUS Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in justice studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/justice-studies>)

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Social Transformation

<https://sst.asu.edu/node/1113>

WILSN 125

SSTadvising@asu.edu

480-965-7682

## Kinesiology Minor (NHKINMIN)

**Campus:** Downtown Phoenix, ASU@Lake Havasu

**Description:**

The minor program in kinesiology introduces students to the concepts, theories, research and careers related to the four major subdisciplines of kinesiology (motor behavior, exercise and health psychology, biomechanics, and exercise physiology). Students in the minor select one of these four subdisciplinary areas as the area of emphasis on which to focus in the upper-division requirements for the minor.

**Program Requirements:**

18 credit hours are required for the minor. Depending upon a student's program of study, prerequisite courses may be needed in order to complete the requirements of this minor. There are course prerequisites for a number of courses in the minor.

Students will begin by taking KIN 101 Introduction to Kinesiology and KIN 290 Introduction to Evidence-Based Practice. After this, students will select a track in one of the four subdisciplines.

\*All track courses must come from a single track.

Required Core Courses for all Tracks -- 6 credit hours

KIN 101: Introduction to Kinesiology (3)

KIN 290: Introduction to Evidence-Based Practice (L) (3)

#### Biomechanics Track

Biomechanics Required Course -- 3 credit hours

KIN 335: Biomechanics (3)

Biomechanics Track Elective Courses (choose three courses) -- 9 credit hours

KIN 334: Functional Anatomy and Kinesiology (3)

KIN 412: Biomechanics of the Skeletal System (3)

KIN 415: Theory of Corrective Exercise (3)

KIN 418: Experimental Neuromechanics (3)

KIN 494: Functional Anatomy of Low Back Pain (3)

#### Exercise Physiology Track

Exercise Physiology Track Required Course -- 3 credit hours

KIN 340: Physiology of Exercise (3)

Exercise Physiology Track Elective Courses (choose three courses) -- 9 credit hours

KIN 334: Functional Anatomy and Kinesiology (3)

KIN 440: Exercise Biochemistry (3)

KIN 441: Physiology of Women in Sport (L) (3)

KIN 442: Fuel Metabolism (3)

KIN 443: Exercise Endocrinology (L) (3)

KIN 444: Metabolic Adaptations to Exercise Training (3)

KIN 446: Pediatric Obesity (3)

KIN 447: ECG Interpretation (3)

KIN 460: Theory of Strength Training (L) (3)

KIN 465: Muscle Physiology (3)

KIN 494: Advanced Exercise Physiology (3)

KIN 494: Cardiovascular Exercise Physiology (3)

#### Exercise/Health Psychology Track

Exercise/Health Psychology Track Required Course -- 3 credit hours

KIN 352: Psychosocial Aspects of Physical Activity (SB & C) (3)

Exercise/Health Psychology Track Elective Courses (choose three courses) -- 9 credit hours

KIN 334: Functional Anatomy and Kinesiology (3)

KIN 450: Biopsychosocial Perspectives on Physical Activity and Health (3)

KIN 452: Exercise Psychology (SB) (3)

KIN 454: Motivational Theory in Exercise and Health (3)

#### Motor Behavior Track

Motor Behavior Track Required Course -- 3 credit hours

KIN 345: Motor and Developmental Learning (3)

Motor Behavior Track Elective Courses (choose three courses) -- 9 credit hours

KIN 334: Functional Anatomy and Kinesiology (3)

KIN 421: Human Motor Control (L) (3)

KIN 422: Motor Control in Special Populations (L) (3)

KIN 423: Motor Control and Aging (L) (3)

KIN 424: Neural Aspects of Movement and Rehabilitation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in kinesiology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/kinesiology-0>  
HLTHN 401AA  
CHS@asu.edu  
602-496-3300

## Korean Minor (LAKORMIN)

**Campus:** Tempe

**Description:**

The Korean minor program is designed to enrich and deepen students' understanding of Korea by placing special emphasis on obtaining a high level of language proficiency in Korean as well as gaining extensive knowledge of Korean literature, culture, film and linguistics, which are necessary for professional or academic endeavors in areas related to Korea or East Asia.

**Program Requirements:**

The minor in Korean consists of 18 upper-division credit hours in the field. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher. At least 12 credit hours must be taken in courses taught by ASU or completed through an a study abroad program administered by ASU and officially recognized by the Korean program.

Required Courses -- 6 credit hours

KOR 313: Third-Year Korean I (G) (3)

KOR 314: Third-Year Korean II (G) (3)

Electives (select four) -- 12 credit hours

KOR 347: Korean Film and Literature (HU) (3)

KOR 350: Women of Korea (H) (3)

KOR 375 / SLC 375: Intercultural Communication in Korea (3)

KOR 415 / SLC 415: Korean Popular Culture (3)

KOR 457 / SLC 457: Premodern Korea in a Global Context (3)

Pass/Fail courses cannot be used toward minor requirements.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: Students must have completed KOR 202 Second-Year Korean II with a minimum course grade of a "C" (2.00 on a 4.00 scale) or better or have an equivalent level of Korean language proficiency.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Landscape Studies Minor (ARLNDMIN)

**Campus:** Tempe

**Description:**

The minor in landscape studies is designed for students who have an interest in landscape architecture but are pursuing a major in another field. The course selection is intended to provide greater understanding of landscape architecture issues that may be relevant in related professional disciplines and to broaden knowledge about the landscape in which we live.

**Program Requirements:**

A minimum of 18 credit hours (to include 12 credit hours of upper-division coursework) are required for the minor. A minimum grade of "C" (2.00) is required in all classes for the minor.

A minimum GPA of 2.50 in minor courses is required to earn the minor in landscape studies.

**Required Courses -- 12 credit hours**

ALA 102: Landscapes and Sustainability (HU & G) (3)  
LAP 254: Plant Materials (3)  
LPH 310: History of Landscape Architecture (HU & H) (3)  
LPH 311: 20th-Century Landscape Architecture (HU) (3)

**Landscape Architectural History and Theory -- 6 credit hours**

LAP 332: GIS Applications in Environmental Design (3)  
LAP 352: Ecosystems and Sustainable Design (3)  
LAP 485: International Field Studies (1-6)  
LAP 494: Special Topics (3)  
LDE 494: Applied Landscape Architecture (3)  
LPH 411: Landscape Architecture Theory and Criticism (L) (3)  
LPH 494: Special Topics (3)  
LPH 499: Individualized Instruction (1-3)

Notes: LPH 499 requires a petition to The Design School.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BS in landscape architecture

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu/>  
CDN 162

## Latin American Studies Minor (ASLASMIN)

**Campus:** West

### **Description:**

The minor in Latin American Studies offers a learner-driven model in which the student's specific interests are deepened through the study of Latin America. It is interdisciplinary and allows for flexibility in course selection while also instilling a breadth and depth of knowledge about issues surrounding Latin America.

This minor encourages cross-cultural exploration and students who pursue it are prepared for a global-minded career path, in fields as diverse as business and finance, arts and arts administration, education, nonprofit organizations, health care, the sciences, psychology, social sciences, sports, journalism, diplomacy, law enforcement and forensic science, ministry, technology, architecture and library science.

### **Program Requirements:**

The minor in Latin American studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper division courses must be taken from the School of Humanities, Arts, and Cultural Studies and a minimum of 12 credit hours must be completed at ASU. All courses used to satisfy the requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

LAS 205: Deep Roots: Latin America (HU & G) (3)

LAS 206: Locating Latin America: Interdisciplinary Methods (3)

Latin American Studies Electives -- 12 credit hours

Choose four upper-division courses from Latin American elective courses below.

AMS 330: American Lives (HU & C) (3)

ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)

COM 477: Sport, Culture, and Discourses (3)

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) (3)

IAP 473: Aesthetic Research (L or HU) (3)

IAP 474: Art and Film (L or HU) (3)

IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)

LAS 330: From the Inside: The Latin American Journey (HU) (3)

LAS 340: Latin American Women Writers (3)

LAS 350: The Construction of a Nation: Chile in the 20th/21st Century (3)

LAS 351: Cityscapes: Urban Mexican Literature and Culture (3)

LAS 355: Contemporary Mexican Cinema: Changing Cartographies (3)

LAS 375: Colonial Latin America (SB & H) (3)

LAS 376: Modern Latin America (SB & G & H) (3)

LAS 394: Special Topics (3)

LAS 404: Conquest and Encounters in Colonial Latin America (L & G) (3)

LAS 419: 20th Century Chicano/a History (C) (3)

LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)

LAS 430: Gender on the Borderlands (SB & G) (3)

LAS 441: Latin America and the World Economy (L & G & H) (3)

LAS 450: Latina/os, Schooling and Social Inequality (C) (3)

LAS 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

LAS 471: Treaties and Cultural Production in Spain and the Americas (3)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) (3)

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) (3)

LAS 494: Special Topics (3)

MUS 354: Latin American Popular Music (HU) (3)

NEW 300: International Cities (3)

PHI 306: Applied Ethics (HU) (3)

PHI 360: Business and Professional Ethics (HU) (3)

POS 354 / ASB 356 / GCU 356 / SBS 356 / SOC 356: Central American Studies (SB & G) (3)

POS 454: Mexico (SB & G) (3)

POS 453: Latin America (SB & G) (3)

PSY 468: Psychology and Law (3)

REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)

SOC 445: Globalization, Development, and Resistance (SB & G) (3)

SPA 325: Introduction to Hispanic Literature (HU) (3)

SPA 394: Special Topics (3)  
SPA 413: Spanish Grammar in Context (G) (3)  
SPA 426: Literature and Society in Modern Spain (HU) (3)  
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)  
SPA 429: Writing Mexico: Major Texts ((L or HU) & G) (3)  
SPA 434: Drama of the Golden Age (3)  
SPA 456: 20th-Century Spanish American Fiction (3)  
SPA 464: Jaitón Works in Chicano/a Literature ((HU or SB) & C) (3)  
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)  
SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)  
SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C) (3)  
SPA 494: Special Topics (3)  
WST 457: Women, Cultures, and Societies (SB & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in Latin American studies; BA in social and cultural analysis (Latin American studies)

Other Enrollment Requirements: None

The minor in Latin American studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/latin-american-studies-minor>  
FAB N100  
harcadvising@asu.edu  
602-543-3000

## Materials Science and Engineering Minor (ESMSEMIN)

**Campus:** Tempe

**Description:**

The materials science and engineering minor is a program designed to give science and engineering majors an in-depth understanding of materials, including their structure, processing, properties and performance.

**Program Requirements:**

Students are required to take five courses and one lab (minimum of 16 credits), listed below:

Required Courses -- 12 credit hours

MSE 250: Structure and Properties of Materials (3)

MSE 355: Structure and Defects (3)

MSE 356: Structures, Properties, and Defects Lab (<https://webapp4.asu.edu/catalog/courselist?s=MSE&l=300-399&t=2197&hon=F>) > MSE 3\*\*

Elective or MSE 4\*\* Elective (6)



Materials-related Lab Course -- 1 credit hours

(1)

MSE 421: Physical Metallurgy Laboratory (1)

MSE 451: Introduction to Materials Characterization Lab (1)

Materials-related Course -- 3 credit hours

BME 318: Biomaterials (4)

CEE 353: Civil Engineering Materials (4)

CHM 471: Solid-State Chemistry (3)

EEE 352: Properties of Electronic Materials (4)

EEE 436: Fundamentals of Solid-State Devices (3)

PHY 481: Materials Physics I (<https://webapp4.asu.edu/catalog/courselist?s=MSE&l=300-399&t=2197&hon=F>) > MSE 3\*\* Elective (3)

MSE 4\*\* Elective (3)

(3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.75

Incompatible Majors: BA in interdisciplinary studies with a concentration in materials science and engineering

Other Enrollment Requirements: Students must hold a sophomore status to enroll in the materials science and engineering minor. To earn the minor, students must receive a 2.50 GPA in all minor courses. Students adding the minor will also need to complete MAT 265 (MAT 270), MAT 242 (MAT 342 or 343), and CHM 114 or CHM 113 and 116.

Interested students should consult with a School for Engineering of Matter, Transport and Energy advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should contact the SEMTE advising office at 480-965-2335 or [semte@asu.edu](mailto:semte@asu.edu) (<mailto:semte@asu.edu>).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Materials Science and Engineering Program

<https://semte.engineering.asu.edu/materials-science-undergraduate/>

ECG 202

[semte@asu.edu](mailto:semte@asu.edu)

480-965-2335

## **Mathematics Minor (ASMATHMIN)**

**Campus:** West

#### **Description:**

The minor in mathematics explores the study of higher mathematics. It is designed to enable the student to understand the mathematics most commonly used in business, economics and science. It is expected that students in the minor will be able to reason and to find creative solutions to problems that are either presented to them or meaningfully formulated by them. The minor is recommended for students who plan to major in interdisciplinary arts and sciences, biology or business and for those who are preparing for further graduate study.

The program is offered by offered by the School of Mathematical and Natural Sciences.

#### **Program Requirements:**

The minor in mathematics consists of a minimum of 23 credit hours (a minimum of 12 credit hours must be upper division). A minimum of nine credit hours must be taken from the School of Mathematical and Natural Sciences. Elective courses not on list should be approved by an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses -- 14 credit hours

MAT 271: Calculus with Analytic Geometry II (MA) (4)

MAT 272: Calculus with Analytic Geometry III (MA) (4)

MAT 300: Mathematical Structures (L) (3)

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

Elective Courses -- 9 credit hours

Choose three electives from the following, for a total of nine credits.

MAT 310: Introduction to Geometry (3)

MAT 371: Advanced Calculus I (3)

MAT 411: History and Philosophy of Mathematics (HU & H) (3)

MAT 443: Introduction to Abstract Algebra (3)

MAT 445: Theory of Numbers (3)

STP 280: Probability and Statistics for Researchers (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in mathematics is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/mathematics-minor>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Mathematics Minor (LAMATMIN)

**Campus:** Tempe

**Description:**

The minor in mathematics is designed for students who want to further their knowledge of mathematics. It is beneficial for students majoring in any field where there is a need for quantification in the analysis of phenomena.

**Program Requirements:**

The minor in mathematics consists of a minimum of 18 credit hours, of which at least 12 must be upper-division. A grade of "C" (2.00 on a 4.00 scale) or better is required for courses used in the minor.

Required Courses -- 9 credit hours

A minimum of 9 credit hours is required. Students completing MAT 271 and MAT 272 will complete a total of 11 credit hours.

MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)

MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

Electives -- 9 credit hours

In consultation with an academic advisor in the School of Mathematical and Statistical Sciences, students choose nine credit hours of upper division coursework in any combination from ACT, MAT and STP prefixes.

ACT OR MAT OR STP Upper Division Elective (9)

Students may not apply ACT 491, MAT 411 or MAT 485 or any course not offered by the College of Liberal Arts and Sciences to the minor, unless approved by an academic advisor in the School of Mathematical and Statistical Sciences prior to registration.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics; BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Students should confer with an academic advisor in the School of Mathematical and Statistical Sciences before declaring the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>  
WXHR A211  
math@asu.edu  
480-965-7195

## Media Analysis Minor (CSCMOMINA)

**Campus:** Downtown Phoenix, Online

**Description:**

The mass media, more than ever before, play vital roles in how information is disseminated and how societies are shaped and function. As traditional forms of media and information dissemination change rapidly in an increasingly technological world, it is more important than ever for students to understand the way that media work as well as learn to evaluate the messages that are sent.

In the media analysis minor, students learn to understand the roles that media play, how they are changing and what impact they make. Students are given the tools they need to critically evaluate, analyze and interpret media messages in order to become wise consumers of media.

**Program Requirements:**

The minor of media analysis consists of 18 credit hours of course work. This is a requirement consistent with many other minor programs at Arizona State University and at other colleges and universities. The focus of the program is on media analysis. Students in the minor will concentrate on evaluating the impact of information dissemination rather than on topics that focus on the practice of gathering and distributing messages. Students in the minor may not register for courses in the professional journalism major.

To take upper-division courses, students must be at least sophomores (25 credit hours). To pursue the minor in media analysis, they must maintain a minimum 2.00 overall GPA, obtain a minimum grade of "C" (2.00 on a 4.00 scale) in each course in the minor and have a major other than journalism and mass communication, sports journalism, or mass communication and media studies.

Required Courses -- 9 credit hours

MCO 120: Media and Society (SB) (3)

MCO 240: Media Issues in American Pop Culture (3)

MCO 418: History of Mass Communication (SB & H) (3)

Elective Courses -- 9 credit hours

MCO 302: Media Research Methods (3)

MCO 366: Media Ethics and Diversity (3)  
MCO 403: Media Law (3)  
MCO 425: Digital Media Literacy I (3)  
MCO 430: International Mass Communication (G) (3)  
MCO 435: Social Media (3)  
MCO 450: Visual Communication (HU) (3)  
MCO 456: Political Communication (SB) (3)  
MCO 460: Race, Gender, and Media (C) (3)  
MCO 465: Sports and Media (3)  
MCO 470: Exploring the Business of Journalism (3)  
MCO 473: Sex, Love, and Romance in the Mass Media (SB) (3)  
MCO 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in journalism and mass communication; BA in sports journalism and mass communication; BA in mass communications and media studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor or the department offering the minor for more information:

[https://cronkite.asu.edu/undergrad/minor\\_media\\_analysis](https://cronkite.asu.edu/undergrad/minor_media_analysis) ([https://cronkite.asu.edu/undergrad/minor\\_media\\_analysis](https://cronkite.asu.edu/undergrad/minor_media_analysis)).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
[https://cronkite.asu.edu/undergrad/minor\\_media\\_analysis](https://cronkite.asu.edu/undergrad/minor_media_analysis)  
CRONK 222  
cronkiteadvising@asu.edu  
602-496-5055

## Medical Studies Minor (NHMESTMIN)

**Campus:** Downtown Phoenix, West

**Description:**

The minor program in medical studies focuses on preparing students for work in clinical medicine, to include both direct and indirect patient care.

Students take coursework in historical aspects of medicine and in the impact of violence upon health, health disparities, as well as leadership and professionalism. Students have the option of selecting an internship course that will enhance application of core concepts.

**Program Requirements:**

Students must earn a 'C' or better in courses used for the minor.

Required Courses -- 15 credit hours

HCD 303: Global Health Care Systems (G) (3)  
HCD 320: Applied Medical/Health Care Ethics (HU) (3)  
HCD 330: Health Care Systems in the U.S. (3)  
MED 300: Historical and Contemporary Issues in Health (L) (3)  
MED 450: Leadership and Professionalism (3)

Elective Course (choose one course) -- 3 credit hours

HCD 422: Health Disparities and Access to Health (3)

IBC 420: Population Health Management (3)

MED 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in medical studies; BS in science of health care delivery; BS in health sciences

Other Enrollment Requirements: Students must complete a minimum of 30 credit hours prior to adding the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/medical-studies>

HLTHS 444AA

chs@asu.edu

602-496-3300

## Military Leadership Minor (LAMISMIN)

**Campus:** Tempe

**Description:**

The minor in military leadership is a program designed to enhance students' learning experience by providing tools that prepare them for leadership roles in various organizations. Students complete courses that cover academic and practical skills in many areas, including:

- effective communication
- leadership ethos
- negotiation
- problem-solving
- staff motivation and empowerment
- team-building

**Program Requirements:**

The minor in military leadership requires a minimum of 18 credit hours, 12 of which must be at the 300- or 400-level. 12 credit hours must be taken in residence on an ASU campus. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Students choose the option befitting their chosen branch of the military. An option is also provided for non-ROTC students wishing to benefit from the skills and knowledge developed in the minor.

Branch Specific Options -- 18 credit hours

The branch-specific options for Army, Air Force, and Navy require a minimum of 12 credit hours specific to the option and six credit hours chosen from a list of approved electives. Students choosing the Marine option will complete nine credit hours within the branch option courses and nine credit hours from the list of approved electives.

Army Option

MIS 301: Training Management and the Warfighting Functions (L) (4)

MIS 302: Applied Leadership in Small-Unit Operations (L) (4)

MIS 401: The Army Officer (4)

MIS 402: Company Grade Leadership (4)

Choose two additional courses from the list of Approved Electives below.

#### Air Force Option

AES 301: Air Force Leadership Studies I (L) AND AES 302: Leadership Laboratory (3)  
AES 303: Air Force Leadership Studies II (L) AND AES 304: Leadership Laboratory (3)  
AES 401: National Security Affairs (L) AND AES 402: Leadership Laboratory (3)  
AES 403: Preparation for Active Duty II AND AES 404: Leadership Lab (3)

Choose two additional courses from the list of Approved Electives below.

#### Navy Option

NAV 301: Naval Ship Systems I (3)  
NAV 302: Naval Ship Systems: Weapons (3)  
NAV 401: Naval Operations and Seamanship (3)  
NAV 402: Leadership and Ethics (3)

Choose two additional courses from the list of Approved Electives below.

#### Marine Option

NAV 303: Evolution of Warfare (3)  
NAV 402: Leadership and Ethics (3)  
NAV 403: Amphibious Warfare (3)

Choose three additional courses from the list of Approved Electives below.

#### Non-ROTC Option -- 18 credit hours

The minor also offers an option designed for non-ROTC students desiring the training provided by the minor. Student in the non-ROTC option complete three courses from this list of approved core courses and three courses selected from the list of Approved Electives.

Choose three courses from the following:

AES 301: Air Force Leadership Studies I (L) (3)  
AES 303: Air Force Leadership Studies II (L) (3)  
AES 401: National Security Affairs (L) (3)  
AES 403: Preparation for Active Duty II (3)  
MIS 301: Training Management and the Warfighting Functions (L) (4)  
MIS 303: National Advanced Leadership Camp (4)  
MIS 401: The Army Officer (4)  
MIS 402: Company Grade Leadership (4)  
NAV 301: Naval Ship Systems I (3)  
NAV 302: Naval Ship Systems: Weapons (3)  
NAV 303: Evolution of Warfare (3)  
NAV 401: Naval Operations and Seamanship (3)  
NAV 402: Leadership and Ethics (3)  
NAV 403: Amphibious Warfare (3)

Choose three additional courses from the list of Approved Electives below.

#### Approved Electives

Courses can only satisfy one requirement. No course used toward the branch-specific courses or the core courses for the non-ROTC option can be repeated as an elective.

AES 101: Air Force Today I (2)  
AES 103: Air Force Today II (2)  
AES 201: The Evolution of USAF Air and Space Power I (2)  
AES 203: The Evolution of USAF Air and Space Power II (2)  
FAS 101: Personal Growth in Human Relationships (SB) (3)  
FAS 331: Marriage and Family Relationships (SB) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)  
MIS 101: Introduction to the United States Army (4)  
MIS 102: Foundation of Agile and Adaptive Leadership (4)  
MIS 201: Army Leadership and Decision Making (4)  
MIS 202: Army Doctrine and Team Development (4)  
MIS 499: Individualized Instruction (3)  
NAV 101: Introduction to Naval Science (3)  
NAV 102: Sea Power and Maritime Affairs (3)  
NAV 202: Navigation (3)  
REL 100: Religions of the World (HU & G) (3)  
REL 366: Islam in the Modern World (HU & G) (3)

Additional electives may be used with the prior approval of the department chair.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in family and human development.

Other Enrollment Requirements: None

Students in the history or religious studies BA programs may not use HST or REL courses to meet the elective requirement for this minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of

Department of Military Science

<https://militaryscience.asu.edu/>

SS 330

ArmyROTC@asu.edu

480-965-3318

## Music Minor (FAMUSMIN)

**Campus:** Tempe, Online

**Description:**

The music minor is designed for students who are interested in a broad introduction to the study of music. The program allows for a diverse exposure to traditional through contemporary music practices, with numerous course options based on students' interests.

**Program Requirements:**

The School of Music offers a minor in music consisting of 24 credit hours of coursework, including a minimum of 12 upper-division credit hours. A minimum grade of "C" (2.00) is required in all courses.

Required Courses -- 12 credit hours

MHL 201: Media Literacy for Musicians (CS) (3)

Notes: The online iCourse version of this course is required.

MUS 100: Fundamentals of Music Notation (3)

Notes: The online iCourse version of this course is required.

MUS 131: Bach to Bebop or MUS 355: American Music (HU & C & H) (3)

Notes: Bach to Bebop is only offered in fall semesters.

MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)

Music History -- 6 credit hours

MUS 131: Bach to Bebop or MUS 355: American Music (HU & C & H) (3)

Notes: Bach to Bebop is only offered in fall semesters.

MUS 347: Jazz in America (HU & C) (3)

MUS 356: Broadway and the American Musical (HU) (3)

MUS 410: History of Women in Music (HU & C & H) (3)

Music Electives -- 6 credit hours

MUS 354: Beatles (HU) (3)

MUS 354: Classic Rock: 1950-1975 (HU) (3)

MUS 354: Country Music (HU) (3)

MUS 354: Elvis (HU) (3)

MUS 354: Jazz Giants (HU) (3)  
MUS 354: Rock Since 1975 (HU) (3)  
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)  
MUS Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: All music majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/minors-certificates>  
MUSIC E167  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-5069

## Music Performance Minor (HIMUSPMIN)

**Campus:** Tempe

**Description:**

The minor program in music performance allows students with a background in playing an instrument or in singing to continue their studies in music. The coursework develops these skills through individual instrumental or vocal instruction and offers performance opportunities through various ensemble experiences. The program also includes the study of theoretical and historical elements of music.

An audition is required for acceptance into the program, which includes private instruction in one primary instrument. Students interested in pursuing the minor in music performance should contact the Office of Academic Affairs in the School of Music for audition information and to schedule the audition.

**Program Requirements:**

The minor or BIS concentration requires 21 hours (12 upper division) in performance, history, theory and electives.

Students may transfer up to 9 credit hours toward the minor.

Admission requirement: An audition is required for entrance into the minor or BIS concentration and MUP 121 study. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 criteria found in the Audition Requirements section on this webpage:

MUP 121: Studio Instruction (<http://music.asu.edu/admissions/auditions/>." ><http://music.asu.edu/admissions/auditions/>).

Required Courses -- 6 credit hours

(2)

MUP 321: Studio Instruction (1)

MUS 131: Bach to Bebop (3)

Ensembles - Three semesters of ensembles related to the primary instrument studied in the minor -- 3 credit hours

MUP 442: Orchestra Strings , Wind Ensemble , Wind Orchestra (1)

MUP 443: Chamber Singers , Concert Choir (1)

MUP 444: Concert Band (1)



MUP 450: Choral Union (1)  
MUP 455: Arizona Statesmen (1)  
MUP 457: Women's Chorus (1)  
MUP 458: ASU Gospel Choir (1)  
MUP 459: Barrett Choir (1)  
MUP 486: Concert Jazz Band , Jazz Repertory Band , Latin Jazz Ensemble (1)

Ensemble - Fourth semester of ensemble (may be unrelated to the primary instrument studied in the minor) -- 1 credit hours

MUP 485: Percussion Ensemble , Contemporary , Jazz , Steel Band (1)  
MUP 489: Ethnomusicology Ensembles , Gamelan , Latin Marimba , Mariachi , Urban Dance Music Ensemble , World Percussion Ensemble (1)  
MUS 294: Rock Band (1)

Music History -- 6 credit hours

MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)  
MUS 347: Jazz in America (HU & C) (3)  
MUS 354: Classic Rock: 1950-1975 (HU) (3)  
MUS 355: American Music (HU & C & H) (3)  
MUS 356: Broadway and the American Musical (HU) (3)  
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)  
MUS 410: History of Women in Music (HU & C & H) (3)

MHL courses may be accepted if the appropriate prerequisites are met or with instructor approval.

Music Theory -- 3 credit hours

Students will take a theory diagnostic exam to determine placement in either MUS 100 or MTC 125.

MUS 100: Fundamentals of Music Notation or MTC 125: Basic Music Theory (3)

Music Electives -- 2 credit hours

MHL OR MUE OR MUP OR MUS OR MTC Upper Division Elective (2)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: All music majors

Other Enrollment Requirements: Prospective students must successfully complete an audition before the faculty in the applicable instrument area. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 enrollment criteria for each instrument posted at <https://music.asu.edu/admissions/undergraduate-auditions> (<https://music.asu.edu/admissions/undergraduate-auditions>). Students who wish to add the performance minor should email [musicadmissions@asu.edu](mailto:musicadmissions@asu.edu) (<mailto:musicadmissions@asu.edu>). The School of Music Academic Affairs Office will direct them to the appropriate faculty member with whom to schedule an audition.

Advisors should not add the minor until the student presents a letter from the School of Music Academic Affairs Office confirming that the student has successfully passed the audition.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Contact Information:**

Design & the Arts, Herberger Institute for

School of Music

<https://music.asu.edu/degree-programs/minors-certificates>

MUSIC E167

[MusicAdmissions@asu.edu](mailto:MusicAdmissions@asu.edu)

480-965-5069

## **Music Theatre Minor (HIMUTHRMIN)**

**Campus:** Tempe

**Description:**

The minor program in music theatre allows students who have a background, interest or passion in music theatre to continue their studies and further explore the craft. The coursework develops skills through performance-based small group classes and private instruction, and also includes the study of theoretical and historical elements of music and theatre.

**Program Requirements:**

The minor or BIS concentration requires 24 hours (12 upper-division) in performance, history, theory and electives.

Students may transfer up to nine credit hours toward the minor.

Admission requirement: An audition is required for entrance into the minor or BIS concentration and MUP 121 study. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 criteria found in the Audition Requirements section on this webpage (<https://music.asu.edu/admissions>).

Required Performance Courses -- 14 credit hours

MUP 121: Voice (2)

Notes: 2 semesters of MUP 121 are required

MUP 170: Music Theatre I (2)

MUP 172: Music Theatre II (2)

MUP 321: Voice (1)

MUP 360: Musicianship for Singers (1)

MUP 374: Technical Production I (Foundations) (1)

MUP 374: Technical Production II (Practicum) (1)

MUP 451: Music Theatre Repertoire (2)

MUP 467: Music Theatre Dance Technique (2)

Notes: 2 semesters of MUP 467 are required

Music History -- 3 credit hours

MUS 356: Broadway and the American Musical (HU) (3)

Music Theory -- 3 credit hours

MUS 100: Fundamentals of Music Notation or MTC 125: Basic Music Theory (3)

Students will take a theory diagnostic exam to determine placement in either MUS 100 or MTC 125.

Music Electives -- 4 credit hours

MUP 270: Music Theatre III (2)

MUP 272: Music Theatre IV (2)

MUP 321: Voice (1)

MUP 373: Music Theatre Performance and Production (1)

MUS 131: Bach to Bebop (3)

MUS 355: American Music (HU & C & H) (3)

THE 322: Theatre History and Culture (HU & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BMUS in performance (music theatre)

Other Enrollment Requirements: An audition is required for entrance into the minor or BIS concentration and MUP 121 and MUP 170 study.

Audition criteria are determined by area faculty.

Two songs (whole songs, not cuttings) total, to be performed with live piano accompaniment (accompanist provided, or students may choose to bring their own). Both songs must be from musicals, and they must contrast one another. One must demonstrate a "legitimate" style of singing utilizing legato line, and the other can be a contrasting style of your choosing (including pop, rock and belting).

Note: Students may elect to perform one classical selection (an art song or an aria from opera or oratorio) instead of two songs from musicals. The classical piece may be in English or in a foreign language. This could be in place of either piece.

- Monologue: One monologue from a musical or a play, not exceeding one minute in length, will be performed separately from the singing and dance audition.

- Dance Assessment: All applicants must perform a dance assessment separate from the singing audition. The purpose of the assessment is to gain a full picture of the complete musical theatre performer. Students should wear comfortable movement or dance attire and character shoes or shoes that are easy to move in. Students will be taught two brief combinations. There will be dressing rooms available in which to change before and after the dance audition. The dance and monologue audition will take place prior to the singing audition.

Advisors should not add the minor until the student presents an acceptance letter from the School of Music Academic Affairs Office confirming that the student has successfully passed the audition.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure they take an appropriate set of courses. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/minors-certificates>  
MUSIC E169  
music@asu.edu  
480-965-5069

## Nonprofit Leadership and Management Minor (PPNLMMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor in nonprofit leadership and management empowers students to positively impact the community in which they work. The nonprofit sector in the U.S. is unique in form and function, with more than 1.6 million organizations in the U.S.

The minor is ideal for students enrolled in other majors at ASU who wish to earn a minor that concentrates on the management of nonprofit organizations. Students from such various disciplines as business, communication, education, global studies, museum studies, nursing, public affairs, religious studies, social work, sustainability and others find this program a beneficial supplement to their existing program as many find their career pathways from their degree occur within nonprofit organization forms. Coursework in the minor introduces students to knowledge and skills for successful professional careers with nonprofit, social sector organizations that exist to improve the quality of life of communities.

This program affords students the opportunity to start their pursuit of the National Certified Nonprofit Professional credential awarded through the Nonprofit Leadership Alliance (formerly American Humanics, Inc.): <https://www.nonprofitleadershipalliance.org/credential/> (<https://www.nonprofitleadershipalliance.org/credential/>). Students seeking more information about completing the CNP credential and requirements should refer to the school website.

**Program Requirements:**

The minor requires 18 credit hours: 12 credit hours of required core courses and six credit hours of elective courses.

Required Core Courses -- 12 credit hours

NLM 220: Introduction to Nonprofit Organizations (3)

NLM 300: Fund Raising and Resource Development (3)

NLM 310: Volunteer Management (3)

NLM 430: Managing Nonprofit Organizations (L) (3)

Elective Courses (choose six credit hours from either Block A or Block B)

Block A - choose this block if interested in the CNP credential -- 6 credit hours

Choosing Block A will help you earn the CNP credential. Please review NLM 320: Professional Development Seminar

(<https://www.certifiedtochangetheworld.org/> ><https://www.certifiedtochangetheworld.org/> for more information.

(4)

Notes: This seminar is one credit hour taken for four semesters.

NLM 420: Nonprofit Leadership Alliance Institute (2)

Notes: Fall only

Block B - choose two courses if interested in minor only, without CNP credential -- 6 credit hours

NLM 160: Voluntary Action and Community Leadership (SB) (3)

NLM 380: Financial Management for Nonprofit Organizations (3)

NLM 435: Service Learning for Community Development (3)

PRM 486: Special Events Management (3)

#### Standards

1. minimum grade of "C" (2.00 on a 4.00 scale) required for all classes in the minor.
2. minimum GPA of 2.00 for those pursuing the minor; a major or premajor, other than BS in nonprofit leadership and management.
3. must meet the curricular and cocurricular requirements (if also pursuing the CNP credential).
4. 15 hours of graded classroom course work (no internship, no independent study).
5. students should be a junior to take 400-level classes.
6. no double counting of courses for both a major and the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### Enrollment Requirements:

GPA Requirement: 2.00

Incompatible Majors: BS in nonprofit leadership and management

Students pursuing the nonprofit leadership and management bachelor's degree may earn the certified nonprofit professional credential along with their major upon successfully completing both curricular and cocurricular requirements. (Students should see an advisor for details.)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### Contact Information:

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Nutrition and Healthy Living Minor (NUNHLMIN)

**Campus:** Downtown Phoenix

#### Description:

The nutrition and healthy living minor program provides students with a greater understanding of how nutrition contributes to healthy lifestyles and disease prevention.

#### Program Requirements:

The minor requires completion of a minimum of 18 nutrition credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required for each course in the minor.

Many courses in this minor require CHM 101 (or CHM 113) as a prerequisite. Please ensure all prerequisites are met when planning this minor.

Not all courses in the minor's electives are available to ASU Online students.

Students pursuing the BS in Nutrition, BS Nutrition (Human Nutrition) or BS Nutrition (Dietetics) are not eligible to add this minor.

Required Courses -- 9 credit hours

NTR 100: Introductory Nutrition or NTR 241: Human Nutrition (3)

NTR 341: Medical Nutrition Therapy I or NTR 345: Development of Healthy Cuisines (3)  
NTR 450: Nutrition in the Life Cycle (SB) or NTR 355: Eating for Lifelong Health (SB) (3)

Upper-Division Electives (select three courses) -- 9 credit hours

NTR 320: History of Human Nutrition (3)  
NTR 348: Cultural Aspects of Food (SB & C & G) (3)  
NTR 350: Nutrition Counseling (3)  
NTR 351: Nutrition Communication (L) (3)  
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)  
NTR 444: Medical Nutrition Therapy II (3)  
NTR 453: Nutrition and the Media (3)  
NTR 457: Sports Nutrition (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in nutrition; BS in nutrition (dietetics); BS in nutrition (human nutrition); BS in health sciences (healthy lifestyles coaching); BAS in applied science (food service management)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Organizational Leadership Minor (LSORGLMIN)

**Campus:** Polytechnic, Online

**Description:**

The minor program in organizational leadership uses interdisciplinary methods that prepare students to become leaders in organizations. Students develop skills and knowledge that leaders need to solve problems, communicate effectively, assess programs, manage resources and use emerging technologies in organizations.

Students in the program are prepared for a range of positions in government, health care administration, nonprofit agencies and the service industry.

**Program Requirements:**

The minor in organizational leadership requires 18 credit hours to be completed, including a minimum of 12 upper-division.

Required Courses -- 9 credit hours

OGL 200: Introduction to Organizational Leadership (SB) (3)  
OGL 340: Organizational Skills (6)

Electives (minimum six hours upper-division required) -- 9 credit hours

OGL 220: Behavioral Dynamics in Organizations (SB) (3)  
OGL 260: Resource Allocation in Organizations (3)  
OGL 300: Theory and Practice of Leadership (3)

OGL 320: Foundations of Project Management (3)  
OGL 321: Project Leadership, Strategy and Scope (3)  
OGL 340: Organizational Skills (3)  
OGL 343: Social Processes in Organizations (SB) (3)  
OGL 345: Organizational Ethics (HU) (3)  
OGL 350: Diversity and Organizations (L & C) (3)  
OGL 355: Leading Organizational Innovation and Change (3)  
OGL 357: Assessment in Organizations (3)  
OGL 360: Assessment of Leadership Effectiveness (3)  
OGL 365: Organizational Contexts (SB) (3)

Any topics can be utilized for OGL 340 and OGL 365 credits. Students may enroll in up to 15 credit hours of OGL 340: Organizational Skills topics courses or OGL 365: Organizational Contexts topics courses to meet the requirements of the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in organizational leadership

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-965-4464

## Parks and Protected Area Management Minor (PPPRMMINT)

**Campus:** Downtown Phoenix

**Description:**

As the Southwest continues to develop and urbanize, the demands and pressures on public lands and natural resources continue to grow, and the interplay between society and natural resources is key to understanding modernity and continues to be at the center of policy issues and quality of life debates in the West.

The minor program in parks and protected area management introduces students to the role of parks and protected areas, with a focus on the unique issues faced by managers of urban-proximate natural areas.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences; students from such various disciplines as business, education, nursing, public affairs, social work and many others might find this program a beneficial supplement to their existing program.

Students interested in this parks and protected area management minor may also be interested in therapeutic recreation, available through the parks and recreation management program.

**Program Requirements:**

Completion of a parks and protected area management minor in the School of Community Resources and Development requires the following:

Required Core Courses -- 12 credit hours

PRM 120: Leisure and the Quality of Life (SB) (3)

PRM 370: Public Lands Management (3)

Notes: Offered Fall only

PRM 380: Wilderness and Parks in America (SB & H) (3)

TDM 480: Sustainable Tourism (3)

Elective Course (choose one) -- 3 credit hours

CRD 301: Sustainable Communities (3)

PRM 340: Outdoor Survival (3)

Notes: Offered Fall only

PRM 470: Environmental Communication (3)

Notes: Offered Spring only

TDM 448: Heritage and Cultural Tourism (3)

TDM 494: Special Topics (3)

Standards

1. 15 hours of graded classroom course work (no internship, no independent study)
2. 12 hours of course work at the upper-division level, from the approved list
3. minimum grade of "C" (2.00 on a 4.00 scale) required for all classes in the minor
4. no double counting of courses for a major and the minor
5. minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than a bachelor's degree in parks and recreation management.
6. should be a junior to take 400-level courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Personal Health Minor (NPHLMIN)

**Campus:** Downtown Phoenix, Online

**Description:**

The personal health minor allows students with academic interests that lie outside the realm of medical and health sciences to explore and learn the latest information related to healthy lifestyles, including the attainment and retention of a high quality of personal health. Students gain the knowledge and skills necessary to optimize their personal health and assume increased responsibility for their own personal health and well-being. The program reflects the transdisciplinary nature of personal health by including courses from the nutrition and exercise and wellness disciplines.

**Program Requirements:**

A minimum grade of "C" (2.00 on a 4.00 scale) is required for all courses.

Required Courses -- 12 credit hours

EXW 325: Fitness for Life (3)

EXW 380: Body Image and Wellness (3)

NTR 100: Introductory Nutrition or NTR 241: Human Nutrition (3)

NTR 355: Eating for Lifelong Health (SB) (3)

Elective Courses -- 6 credit hours

EXW 303: Human Sexuality for Health Education (3)

EXW 312: HIV/AIDS Prevention (1)

EXW 321: Consumer Health (1)

EXW 331: Violence Prevention (1)

EXW 335: Physical Activity and Fitness Concepts (3)

EXW 341: Health Education Methods for Injury Prevention (1)

EXW 350: Substance Abuse and Addictive Behavior (3)

EXW 351: Substance Abuse Prevention (1)

EXW 361: Social Media and Marketing in Health Education (1)

EXW 371: Conflict Management and Mediation (1)

EXW 400: Stress Management for Wellness (3)

NTR 345: Development of Healthy Cuisines (3)

NTR 348: Cultural Aspects of Food (SB & C & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in nutrition (all concentrations); BS in exercise and wellness; BS in health education and health promotion; BS in health sciences (healthy lifestyles coaching)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion>

HLTHN 401AA

chs@asu.edu

602-496-3300

## Philosophy Minor (ASPHIMIN)

**Campus:** West

**Description:**

The minor program in philosophy provides students with an understanding of central philosophical issues, problems and ideas; a capacity for critical thinking and analytic reasoning; and the ability to present one's positions effectively through oral and written communication.

The program is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**



The minor in philosophy consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students pursuing this minor will work with an academic advisor to choose and complete six courses from the list below or from the PHI prefix. Credit hours may not be shared between major and minor requirements. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Courses are selected from the following list (minimum 12 upper-division) -- 18 credit hours

ENG 401: Topics in Critical Theory (3)  
IAS 340 / PHI 320: Bioethics (HU) (3)  
IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)  
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)  
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)  
IAS 410: Evolution of Ideas (L or HU) (3)  
IAS 430: Science and Religion (L or HU) (3)  
PHI 101: Introduction to Philosophy (HU) (3)  
PHI 103: Principles of Sound Reasoning (L or HU) (3)  
PHI 303 / REL 300: The Future of Religions (L or HU) (3)  
PHI 304: Existentialism (HU) (3)  
PHI 306: Applied Ethics (HU) (3)  
PHI 311: Philosophy and Literature (HU) (3)  
PHI 318: Philosophy of Religion (HU) (3)  
PHI 339: Philosophy of Art (HU) (3)  
PHI 360: Business and Professional Ethics (HU) (3)  
PHI 408: Feminist Ethics (HU) (3)  
PHI 411: Continental Philosophy (HU) (3)  
PHI 412: Philosophy and Literary Criticism (HU) (3)  
PHI 415: Philosophy and Film (HU) (3)  
PHI 439: Philosophy of Love and Sex (3)  
PHI 494 / REL 494: Philosophical/Spiritual Issues in Death & Dying (3)  
PHI 494 / REL 494: Special Topics (3)  
PHI 499: Individualized Instruction or REL 499: Individualized Instruction (3)  
REL 391: Historical Perspectives on Philosophy and Religion (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in philosophy is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/philosophy-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

**Philosophy Minor (LAPHIMIN)**

**Campus:** Tempe, Online

**Description:**

The minor in philosophy provides students with an understanding of philosophical inquiry and method. The program offers an introduction to central themes both in the history of philosophy and in the current literature. Students in this minor have the opportunity to sharpen their critical-reasoning skills while addressing profound questions regarding the nature of:

- existence
- knowledge
- law
- morality
- politics
- science

**Program Requirements:**

A minor in philosophy consists of 18 credit hours, of which at least 12 must be upper-division. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences. Each course must be completed with a minimum grade of "C" (2.00 on a 4.00 scale) or higher. The minor in philosophy is also available to complement the studies of ASU Online students. Certain course selections below are offered as oCourses to accommodate ASU Online students.

Subdisciplinary Electives -- 18 credit hours

Subdisciplinary Elective (6)

Upper Division Subdisciplinary Elective (12)

Available subdisciplines are epistemology, ethics and political philosophy, history of philosophy, logic and metaphysics. Students choose courses from the philosophical subdiscipline lists, with no more than two courses from any single track. Courses in the "other" list cover multiple subdisciplines and students may apply these courses within the minor without limit. Students should consult with an academic advisor in the School of Historical, Philosophical and Religious Studies about a proposed selection of courses before enrolling.

## Epistemology

PHI 313: Probability, Evidence, and Decision (3)

PHI 314: Philosophy of Science (HU) (3)

PHI 330: Theory of Knowledge (HU) (3)

## Ethics and Political Philosophy

PHI 105: Intro to Ethics (HU) (3)

PHI 107: Introduction to Philosophy of Sex and Love (HU) (3)

PHI 120: Introduction to Medical and Bioethics (HU) (3)

PHI 306: Applied Ethics (HU) (3)

PHI 307: Philosophy of Law (HU) (3)

PHI 310: Environmental Ethics (HU) (3)

PHI 320: Bioethics (HU) (3)

PHI 324: Existential Ethics (HU) (3)

PHI 326: Philosophy of Happiness (HU) (3)

PHI 335: History of Ethics (HU) (3)

PHI 336: Social and Political Philosophy (HU) (3)

PHI 337: Ethical Theory (HU) (3)

PHI 338: Metaethics (3)

PHI 347: Philosophical Theories of Constitutional Law (3)

PHI 360: Business and Professional Ethics (HU) (3)

PHI 370: Sports Ethics (HU) (3)

PHI 405: Moral Psychology (3)

PHI 406: Moral Dilemmas (L or HU) (3)

PHI 408: Feminist Ethics (HU) (3)

PHI 409: Eco-Community Ethics (HU) (3)

PHI 448: Justice and Reparations (3)

## History of Philosophy

PHI 304: Existentialism (HU) (3)

PHI 328: History of Ancient Philosophy (HU & H) (3)

PHI 329: History of Modern Philosophy (HU & H) (3)

PHI 401: Rationalism (3)

PHI 402: Empiricism (HU) (3)

PHI 403: Contemporary Analytic Philosophy (HU) (3)

## Logic

PHI 103: Principles of Sound Reasoning (L or HU) (3)

PHI 333: Symbolic Logic (3)

PHI 413: Advanced Symbolic Logic (3)

#### Metaphysics

PHI 318: Philosophy of Religion (HU) (3)

PHI 331: Philosophy of Language (HU) (3)

PHI 332: Metaphysics (HU) (3)

PHI 334: Philosophy of Mind (HU) (3)

#### Other

PHI 101: Introduction to Philosophy (HU) (3)

PHI 311: Philosophy and Literature (HU) (3)

PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)

PHI 322: History and Philosophy of Sustainability (3)

PHI 339: Philosophy of Art (HU) (3)

PHI 390: Jewish Philosophy (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### Enrollment Requirements:

GPA Requirement: None

Incompatible Majors: BA in philosophy; BA in philosophy (morality, politics and law)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

#### Contact Information:

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch

<https://shprs.asu.edu/node/192>

COOR 3307

SHPRSadvising@asu.edu

480-965-8364

## Physics Minor (LAPHYMIN)

**Campus:** Tempe

#### Description:

The physics minor provides students with the fundamental concepts of physics beyond the introductory level. Through rigorous hands-on experience, students deepen their understanding of foundational concepts and develop their analytical skills. Students can tailor the minor through upper-division electives to enhance their career outlook.

#### Program Requirements:

The minor in physics requires a minimum of 24 credit hours, at least 12 of which must be completed at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) or PHY 150: Physics I (SQ) (4)

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) or PHY 151: Physics II (SQ)

(4)

PHY 252: Physics III (SQ) (4)

PHY 333: Electronic Circuits and Measurements or PHY 334: Advanced Laboratory I (L) (3)

Notes: One of these courses may be used in the required courses area and the other toward elective credit hours in the minor, but neither course may be repeated for credit.

PHY 361: Introductory Modern Physics (3)

Electives (choose two) -- 6 credit hours

PHY 302: Mathematical Methods in Physics II (3)

PHY 310: Classical Particles, Fields, and Matter I (3)

PHY 314: Quantum Physics I (3)

PHY 333: Electronic Circuits and Measurements or PHY 334: Advanced Laboratory I (L) (3)

Notes: Students may choose PHY 333 or PHY 334 if not already taken to satisfy the required courses for the minor.

PHY 465: Advanced Laboratory II (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in biophysics; BA and BS in physics; BS in physics (secondary education)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

Department of Physics

<https://physics.asu.edu/>

PSF 470

[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)

480-965-3561

## **Physics Minor (LSPHYMIN)**

**Campus:** Polytechnic

#### **Description:**

The physics minor provides a rigorous foundation in physics with an emphasis on fundamental concepts and applied hands-on experience. The program broadens and deepens a student's understanding of the field and increases options for employment and graduate study.

The primary emphasis of the physics minor is to give students experience through applied and computational physics projects. The projects are guided by faculty with expertise in the physics of semiconductors and graphene, quantum nano-optics, laser physics and materials science.

The program is offered by the College of Integrative Sciences and Arts at the Polytechnic campus.

#### **Program Requirements:**

The minor in physics requires 23 credit hours, as follows:

1. A minimum of six upper-division credit hours in the minor must be taken in courses offered through the College of Integrative Sciences and Arts.
2. Courses that count toward the minor must have a grade of "C" (2.00 on a scale of 4.00) or higher.
3. 12 credit hours of upper-division physics courses are required.

Required Courses -- 17 credit hours

PHY 121: University Physics I: Mechanics (SQ) (3)

PHY 122: University Physics Laboratory I (SQ) (1)

PHY 131: University Physics II: Electricity and Magnetism (SQ) (3)  
PHY 132: University Physics Laboratory II (SQ) (1)  
PHY 314: Quantum Physics I (3)  
PHY 361: Introductory Modern Physics (3)  
PHY 499: Individualized Instruction (3)

Elective Courses -- 6 credit hours

PHY 201: Mathematical Methods in Physics I (CS) (3)  
PHY 302: Mathematical Methods in Physics II (3)  
PHY 321: Vector Mechanics and Vibration (3)  
PHY 331: Principles of Modern Electromagnetism (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00 or higher

Incompatible Majors: BA or BS in physics

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Political Science Minor (ASPOLMIN)

**Campus:** West

**Description:**

The minor program in political science, offered by the School of Social and Behavioral Sciences, is designed to help students gain an understanding of theory, practice and policy underlying political processes locally, nationally and internationally and to train students with the research skills necessary for the analysis of complex sociopolitical issues locally and globally.

The program strives to meet these goals by offering students learner-centered coursework in political theory, American political institutions, and international relations and world affairs. These goals are accomplished by offering a flexible program of coursework focusing on international urban, race or ethnic sociopolitical areas, internships and service-learning or action research opportunities. Under the direction of faculty, students focus on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas and the world.

**Program Requirements:**

The minor in political science consists of 18 credit hours. A minimum of 12 upper division credit hours are required. A minimum of six upper division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. A maximum of three credit hours of internship and three credit hours of individualized instruction may be used to fulfill requirements. Students wishing to pursue the minor must meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses -- 6 credit hours

Select two from the following:

POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) (3)

POS 150: Comparative Government (SB & G) (3)

POS 160: Global Politics (SB & G) (3)

POS 210: Political Ideologies (SB) (3)

Electives -- 12 credit hours

POS Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA or BS in political science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/political-science-minor>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## Political Science Minor (LAPOSMIN)

**Campus:** Tempe, Online

**Description:**

The minor program in political science offers students exposure to the skills and knowledge that help them participate effectively as citizens in a democratic political system and flourish in the rapidly developing globalization of the world's political institutions, cultures and economies. The program aims to provide students with an introduction to the tools and skills necessary to link theory with real-world problems and issues.

**Program Requirements:**

The minor in political science consists of 18 credit hours in political science courses, of which 12 credit hours must be upper-division. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences. Only courses completed with a grade of "C" (2.00 on a scale of 4.00) or better can be used to satisfy minor requirements.

Required Courses (choose two) -- 6 credit hours

POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) (3)

POS 150: Comparative Government (SB & G) (3)

POS 160: Global Politics (SB & G) (3)

POS 210: Political Ideologies (SB) (3)

Electives -- 12 credit hours

POS Upper Division Elective (12)

No more than three credit hours of POS 484 Internship and three credit hours of POS 499 Individualized Instruction may be applied to the minor. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in political science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
[spgs@asu.edu](mailto:spgs@asu.edu)  
480-965-8563

## Project Management Minor (LSPROMAMIN)

**Campus:** Polytechnic, Tempe, Online

**Description:**

The minor program in project management prepares students to manage complex projects and lead project management teams in a variety of professional settings. The project management minor complements many majors at ASU because project management skills enhance and enrich the skills students receive in a great variety of majors. Students learn the skills needed to manage complex projects in fields like engineering, business, health care, information technology, sustainability, computing, public and nonprofit sectors, and many more. Students learn skills in project leadership, project quality management, project risk management, project schedule management, project cost management and project resource management.

**Program Requirements:**

The minor in project management requires 18 credit hours to be completed, including a minimum of 12 upper-division credits.

Required Core Courses -- 6 credit hours

OGL 320: Foundations of Project Management (3)

OGL 321: Project Leadership, Strategy and Scope (3)

Electives (choose 4) -- 12 credit hours

OGL 322: Project Time Management (3)

OGL 323: Project Cost Management (3)

OGL 324: Resources in Project Management (3)

OGL 326: Project Procurement Management (3)

OGL 421: Project Risk Management (3)

OGL 422: Project Quality Management (3)

Please note: OGL 320 is needed as a prerequisite for all 300 level minor courses and OGL 321 is required for all 400 level minor courses.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00 (university minimum)

Incompatible Majors: BA in organizational leadership (project management); BA in interdisciplinary studies concentration area in project management

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/>  
USE 138  
cisa@asu.edu  
480-965-4464

## Psychology Minor (ASPGSMIN)

**Campus:** West, Online

**Description:**

The minor in psychology provides the opportunity to study the scientific nature of the behavior and mental processes of individuals and groups. The study of psychology includes basic and applied courses in the subfields of clinical, developmental, organizational, cross-cultural and social psychology, cognitive systems and behavioral neuroscience, and this program emphasizes the development of wide-ranging skills in critical thinking and reasoning, quantitative and qualitative research methods, working collaboratively on teams and presentation of information in oral and written form.

The psychology minor prepares students for more advanced study in psychology at the graduate level, in either graduate or professional schools.

**Program Requirements:**

The minor in psychology consists of 22 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six credit hours must be taken from the School of Social and Behavioral Sciences. A maximum of three credit hours of research (PSY 399 Supervised Research and PSY 499 Individualized Instruction) may be used to fulfill minor requirements. PSY 484 Internship may be taken for elective credit only. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Foundations of Psychological Science -- 10 credit hours

PSY 101: Introduction to Psychology (SB) (3)

PSY 230: Introduction to Statistics (CS) (3)

PSY 290: Research Methods (L or SG) (4)

Social/Developmental Core -- 3 credit hours

Choose one course from the following:

PSY 315: Personality Theory and Research (SB) (3)

PSY 341: Developmental Psychology (SB) (3)

PSY 350: Social Psychology (SB) (3)

Neuroscience Core

Neuroscience Core Group 1 (select one course) -- 3 credit hours

PSY 320: Learning and Motivation (3)

PSY 323: Sensation and Perception (3)

PSY 324: Memory and Cognition (3)

PSY 325: Physiological Psychology (3)

Neuroscience Core Group 2 (select one course) -- 3 credit hours

PSY 320: Learning and Motivation (3)

PSY 323: Sensation and Perception (3)



PSY 324: Memory and Cognition (3)  
PSY 325: Physiological Psychology (3)  
PSY 330: Statistical Methods (CS) (3)  
PSY 369: Biology of Human Sexuality (3)  
PSY 470: Psychopharmacology (3)

Upper Division Psychology Elective Course -- 3 credit hours  
PSY Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in psychology (including all concentrations)

Other Enrollment Requirements: None

The minor in psychology is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/psychology>)

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/psychology-minor>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Psychology Minor (LAPGSMIN)

**Campus:** Tempe

**Description:**

The minor program in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view.

Students who complete the minor in psychology will possess a breadth of knowledge across many areas of psychology. They are able to use basic research and quantitative methods to gather and synthesize psychological findings. Ultimately, they come to understand the relevance and applicability of psychological principles, approaches and findings to individual, group and social issues. In doing so, they are prepared to pursue productive careers and engage on a daily basis with the increasingly complex, information-rich world.

**Program Requirements:**

The minor in psychology consists of completing 22 credit hours of coursework in the foundations of psychology and the breadth within psychology categories described below. 12 credit hours must be completed at the upper-division level, of which at least six credit hours must be completed in courses offered by the College of Liberal Arts and Sciences Department of Psychology. All courses for the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 10 credit hours  
PSY 101: Introduction to Psychology (SB) (3)  
PSY 230: Introduction to Statistics (CS) (3)  
PSY 290: Research Methods (L or SG) (4)

Minor Electives -- 12 credit hours

Take one course each from four of the following five breadth areas: Biological, Personality/Mental Health, Cognitive/Learning, Developmental, and Social.

Breadth Area Elective (12)

Biological Breadth

PSY 325: Physiological Psychology (3)

Cognitive/Learning Breadth

PSY 320: Learning and Motivation (3)

PSY 323: Sensation and Perception (3)

PSY 324: Memory and Cognition (3)

Developmental Breadth

PSY 341: Developmental Psychology (SB) (3)

Personality/Mental Health Breadth

PSY 315: Personality Theory and Research (SB) (3)

PSY 366: Abnormal Psychology (SB) (3)

Social Breadth

PSY 350: Social Psychology (SB) (3)

PSY 351: Honors Social Psychology (L or SB) (3)

If a non-psychology statistics course is approved by the psychology department to substitute for PSY 230 Introduction to Statistics, an additional psychology course must be taken to complete the 22 credit hours of required psychology course work. Internship credit, research credit, and teaching assistant credit may not be used to satisfy this requirement. For more information, please contact a psychology advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in psychology (including all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of

Department of Psychology

<https://psychology.asu.edu/content/psychology-1>

PSY 202

psych.advisor@asu.edu

480-965-7258

## Psychology Minor (LSPGSMIN)

**Campus:** Polytechnic

**Description:**

Psychology is the scientific study of mind and behavior. The minor program in psychology emphasizes the development of wide-ranging skills in critical thinking and reasoning, research methods, working collaboratively on teams and presenting information in oral and written form. The psychology minor adds value to students' major degrees through knowledge of concepts, theories and empirical research in human behavior and mental processes.

**Program Requirements:**

This minor requires 22 credit hours. At least six credit hours must be taken from courses offered by the College of Integrative Sciences and Arts.

Required Courses -- 10 credit hours

PSY 101: Introduction to Psychology (SB) (3)

PSY 230: Introduction to Statistics (CS) (3)

PSY 290: Research Methods (L or SG) (4)

Elective Courses (choose four) -- 12 credit hours

PSY 306: Environmental Psychology (SB) (3)

PSY 315: Personality Theory and Research (SB) (3)

PSY 320: Learning and Motivation (3)

PSY 323: Sensation and Perception (3)

PSY 324: Memory and Cognition (3)

PSY 341: Developmental Psychology (SB) (3)

PSY 350: Social Psychology (SB) (3)

PSY 366: Abnormal Psychology (SB) (3)

PSY 425: Biological Bases of Behavior (L) (3)

PSY 430: Industrial Psychology (3)

PSY 444: Adolescent Psychology and Psychopathology (3)

PSY 447: Psychology of Aging (SB) (3)

PSY 453: Organizational Behavior (SB) (3)

PSY 470: Psychopharmacology (3)

PSY 472: Clinical Psychology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Please note that the department does not offer any iCourse or oCourse sections for this minor.

The minor in psychology is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to determine if the minor is consistent with their educational goals, to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

[cisa@asu.edu](mailto:cisa@asu.edu)

480-727-1526

**Public Relations and Strategic Communications Minor (HSPRSMIN)**

**Campus:** West

**Description:**

The minor in public relations and strategic communications provides students with professional and academic expertise in areas as diverse as persuasion and campaign communications, public relations, crisis communications, special-events planning, marketing, and professional writing and editing. Additionally, students refine the presentation skills needed for public and community relations.

**Program Requirements:**

The minor in public relations and strategic communications consists of 18 credit hours (a minimum of 12 upper division). Credit hours may not be shared between major and minor requirements. A minimum of six upper division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. Electives not on course list must be approved by an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Core Courses (choose three courses) -- 9 credit hours

- COM 319: Persuasion and Social Influence (SB) (3)
- COM 320: Communication and Consumerism (SB) (3)
- COM 353: Professional Communication (3)
- COM 454: Rhetorical and Critical Approaches to Public Relations (3)

Elective Courses (choose three courses) -- 9 credit hours

- ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)
- COM 259: Communication in Business and the Professions (3)
- COM 319: Persuasion and Social Influence (SB) (3)
- COM 320: Communication and Consumerism (SB) (3)
- COM 353: Professional Communication (3)
- COM 414: Crisis Communication (3)
- COM 429: Semiotics and Visual Communication (3)
- COM 450: Organizational Communication (SB) (3)
- COM 454: Rhetorical and Critical Approaches to Public Relations (3)
- COM 457: New Media (3)
- COM 459: Theory and Methods of Social Media Networks (3)
- COM 484: Internship (3)
- ENG 301: Writing for the Professions (L) (3)
- ENG 311: Persuasive Writing (L) (3)
- ENG 410: Writing for Publication (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in public relations and strategic communications is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/public-relations-and-strategic-communications-minor>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

**Public Service and Public Policy Minor (PPPAFMIN)**

**Campus:** Downtown Phoenix

**Description:**

The minor program in public service and public policy prepares students for work in government at all levels and in nonprofit organizations through

comprehensive coverage of topics in public policy, public leadership and management and urban studies. Students discover the challenges of management, learn how to lead a public organization, and understand the process of policy development.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. The minor has an applied and professional focus which can enhance many other majors, enabling students to be more competitive when seeking a public sector job.

**Program Requirements:**

The minor in public service and public policy requires 18 credit hours.

Required Courses -- 9 credit hours

PAF 200: Public Service and Policy in the 21st Century (3)

PAF 300: Public Management and Administration (3)

PAF 340: Contemporary Policy Challenges (3)

Electives (select three courses) -- 9 credit hours

PAF 201: Economics and Public Policy (SB) (3)

PAF 410: Building Leadership Skills (SB) (3)

PAF 420: Public Leadership (3)

PAF 470: Topics in Public Economics and Financial Management (3)

PAF 471: Public Policy Analysis (3)

URB 300: Urban and Metropolitan Studies (3)

URB 305: Urban Governance (3)

A total of 12 credit hours must be taken in the School of Public Affairs at ASU.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in public service and public policy (all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/undergradminors>

UCENT 400

spa@asu.edu

602-496-0450

## Real Estate Minor (BAREAMIN)

**Campus:** Tempe

**Description:**

The real estate minor program is designed to provide an understanding of the real estate industry and to complement the major area of study. It consists of a strong foundation that includes real estate fundamentals, law, appraisal and land development. Students may choose from a variety of courses such as investing, economics and urban issues to complement the foundation. Students who complete the minor will have established a competitive knowledge base for careers in the real estate industry.

**Program Requirements:**

Students must complete a minimum of 18 credit hours, including 12 hours of required courses and six credit hours of electives.

Students must complete a minimum of 12 hours of resident credit for the minor. All courses must be completed with a grade of "C" (2.00) or higher. The upper-division business courses required or electives for this minor will be restricted to students with 56 earned credit hours, a minimum 2.50 ASU GPA and completed course prerequisites.

Required Courses -- 12 credit hours

REA 380: Real Estate Fundamentals (3)  
REA 401: Real Estate Appraisal (3)  
REA 411: Real Estate Law (3)  
REA 456: Real Estate Investments (3)

Elective Courses -- 6 credit hours

ACC 340: External Reporting I (3)  
ACC 350: Internal Reporting (3)  
ACC 444: Enterprise Process Analysis and Design (3)  
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)  
AGB 333: Agribusiness Finance (3)  
AGB 452: Global Food and Agricultural Trade (3)  
BUS 434: Business Risk Management (3)  
CEE 300: Engineering Business Practice (L) (3)  
CIS 308: Advanced Excel in Business (3)  
CIS 309: Business Process Management (3)  
CIS 311: Business Project Management (3)  
CIS 405: Business Intelligence (3)  
CON 457: Principles of Leadership for Project Managers (3)  
DSC 394: Design Entrepreneurship & Society (3)  
DSC 494: Economics of Building Design (3)  
ECN 315: Money & Banking (3)  
EDS 301: Sustainable Community Design and Practices (3)  
ENT 360: Entrepreneurship and Value Creation (3)  
ENT 440: Entrepreneurship (3)  
FIN 331: Financial Markets and Institutions (3)  
GCU 357: Social Geography (SB) (3)  
GCU 361: Urban Geography (SB) (3)  
GPH 381: Geography of Natural Resources (G) (3)  
LDE 363: Landscape Planting Design (3)  
MGT 400: Cross-Cultural Management (C & G) (3)  
MGT 411: Leading Organizations (3)  
MGT 430: Negotiations (3)  
MKT 370: Professional Sales and Relationship Management (3)  
MKT 390: Essentials of Marketing (3)  
MKT 391: Essentials of Selling (3)  
MKT 396: Essentials of Services Marketing (3)  
MKT 410: Sales Management (3)  
MKT 452: Business-to-Business Marketing Strategy (3)  
PUP 301: Introduction to Urban Planning (L) (3)  
PUP 410: Public Participation in Planning (3)  
PUP 432: Planning and Development Control Law (3)  
PUP 452: Ethics and Theory in Planning (L) (3)  
PUP 465: Sustainable Urbanism (3)  
PUP 494: Environment, Justice & Cities (3)  
REA 441: Real Estate Land Development (3)  
SCM 314: Analytics for Logistics (3)  
SCM 315: Business Decision Models (3)  
SCM 344: Applied Logistics Management (3)  
SCM 354: Procurement of Services (3)  
SCM 385: Business and Sustainability I (3)  
SCM 455: Research and Negotiation (3)  
SCM 463: Global Supply Chain Management (G) (3)  
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability (3)  
SOS 310: Equity, Justice and Sustainability (3)  
SOS 311: Future Thinking and Strategies (3)  
SOS 320: Society and Sustainability (L or SB) (3)  
SOS 321: Policy and Governance in Sustainable Systems (3)  
SOS 323: Sustainable Urban Dynamics (3)

SOS 325: The Economics of Sustainability (3)  
SOS 328: Sustainability and Enterprise (3)  
SOS 385: Business and Sustainability I (3)  
SOS 465: Sustainable Urbanism (3)  
URB 300: Urban and Metropolitan Studies (3)  
URB 305: Urban Governance (3)  
URB 405: Citizen Engagement and Community Building (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00 minimum

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Business, W. P. Carey School of  
Department of Finance  
<https://wpcarey.asu.edu/undergraduate-degrees/real-estate-minor>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Recreation Management Minor (PPRECMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in recreation management introduces students to community recreation programming and planning for a variety of populations.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences; students from such various disciplines as business, education, nursing, public affairs, social work and many others might find this program a beneficial supplement to their existing program.

Students interested in the recreation management minor may also be interested in the school's therapeutic recreation program.

**Program Requirements:**

The recreation management minor requires completion of 15 credit hours: six credit hours of required courses and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours

PRM 120: Leisure and the Quality of Life (SB) (3)

PRM 203: Program Planning (3)

Electives (select three courses) -- 9 credit hours

CRD 302: Inclusive Community Development (SB & C) (3)

PRM 304: Recreation Planning and Facility Development (L) (3)

Notes: Offered Fall only

PRM 315: Community Recreation Systems (3)

Notes: Offered Fall only

PRM 335: Sports and Recreation for Youth Development (3)

Notes: Offered Spring only

PRM 364: Foundations of Recreation Therapy (SB) (3)  
PRM 475: Entrepreneurial Recreation and Tourism (3)  
PRM 486: Special Events Management (3)  
PRM 453: Inclusive and Adaptive Sports and Recreation (3)  
PRM 494: Special Topics (3)

#### Standards

1. 15 hours of graded classroom course work
2. minimum "C" (2.00 on a 4.00 scale) grade required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than parks and recreation management
4. should be a junior to take 400-level courses
5. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### Enrollment Requirements:

GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
602-496-0550

## Recreation Therapy Minor (PPRECTMIN)

**Campus:** Downtown Phoenix

#### Description:

A minor in recreational therapy exposes students to the field of therapeutic recreation. Students develop knowledge to assess individuals, develop service plans, implement therapeutic interventions, and evaluate and document outcomes of care, supporting the wellness of their communities through therapeutic recreation.

Completion of the minor provides students with a portion of the requirements needed for eligibility to take the national certification exam through the National Council for Therapeutic Recreation Certification: <https://nctrc.org/about-certification/ctrs-the-qualified-provider/> (<https://nctrc.org/about-certification/ctrs-the-qualified-provider/>).

#### Program Requirements:

The recreational therapy minor requires completion of 18 credit hours: 12 credit hours of required courses and six credit hours of elective courses.

PRM 400, PRM 406, PRM 440 and PRM 450 are Spring only courses

PRM 453 and PRM 460 are Fall only courses

For students seeking the national credential in therapeutic recreation through the National Council for Therapeutic Recreation Certification PRM 364: Foundations of Recreation Therapy (SB) (<https://nctrc.org/>, " ><https://nctrc.org/>, select two courses from PRM 413, 440, 450 OR 455.

Core Courses -- 12 credit hours

(3)

PRM 400: Intervention Techniques in Recreation Therapy (3)

PRM 406: Program Design and Administration in Recreation Therapy (3)



PRM 460: Assessment & Documentation in Recreation Therapy (3)

Therapeutic Recreation Electives -- 6 credit hours

PRM 413: Leadership and Professional Development in Recreation Therapy (3)

PRM 440: Advocacy in Therapeutic Recreation (3)

PRM 450: Therapeutic Recreation and Community Health (3)

PRM 453: Inclusive and Adaptive Sports and Recreation (3)

PRM 455: Recreational Therapy with Children, Youth and Families (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BS in recreation therapy; BS in parks and recreation management (therapeutic recreation)

Other Enrollment Requirements: none

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Religious Studies Minor (ASRELMIN)

**Campus:** West

**Description:**

The minor in religious studies introduces students to the world's religious traditions and how these are used by humans to interpret experiences and find meaning. Students learn to think critically about religious worldviews and presuppositions and to explore the relation to contemporary challenges in the world.

**Program Requirements:**

The minor in religious studies consists of 18 credit hours (a minimum of 12 upper division credit hours are required). A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Course work taken to fulfill the requirements of the minor may not be used to fulfill requirements for your major. Consult with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Courses are selected from the following list (minimum 12 upper-division) -- 18 credit hours

IAS 430: Science and Religion (L or HU) (3)

PHI 303 / REL 300: The Future of Religions (L or HU) (3)

PHI 318: Philosophy of Religion (HU) (3)

PHI 494 / REL 494: Philosophical/Spiritual Issues in Death & Dying (3)

PHI 494: Special Topics (3)

REL 100: Religions of the World (HU & G) (3)

REL 200: Exploring the World's Religions ((L or HU) & G) (3)

REL 201: Religion and the Modern World (L or HU) (3)

REL 202: Religion and Popular Culture (HU & C) (3)

REL 203: Saints and Sinners: Explorations in Sacred Biography (HU & H) (3)

REL 205: Life, Sex and Death (HU) (3)

REL 207: Ritual, Symbol, and Myth (L or HU) (3)

REL 310: Western Religious Traditions (HU & H) (3)  
REL 320: American Religious Traditions (HU & C & H) (3)  
REL 321: Religion in America ((L or HU) & C & H) (3)  
REL 345: Asian Religious Traditions (HU & G) (3)  
REL 381: Religion and Moral Issues (L or HU) (3)  
REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)  
REL 391: Historical Perspectives on Philosophy and Religion (3)  
REL 401: Sacred Scriptures and Social Choices (HU & G) (3)  
REL 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in religious studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/religious-studies-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Religious Studies Minor (LARELMIN)

**Campus:** Tempe, Online

**Description:**

The minor in religious studies encourages students to engage in a comparative, cross-cultural exploration of religions and cultures that complements a variety of undergraduate majors while promoting a deeper understanding of human nature and interaction. Students may pursue the minor in religious studies with regional, national, hemispheric, global and a variety of thematic emphases.

**Program Requirements:**

The minor in religious studies consists of 18 credit hours, at least 12 of which must be completed at the upper-division level. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences. All courses must be passed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours

REL 101: Religion, Culture and Public Life ((L or HU) & G) (3)

Electives -- 15 credit hours

REL Elective (3)

REL Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in religious studies; BA in religious studies (religion, culture and public life); BA in religious studies (religion, politics and global affairs)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/content/religious-studies>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Romanian Minor (LAROMMIN)

**Campus:** Tempe

**Description:**

The Romanian minor program provides students with the means to develop their interests in social, cultural and political matters while advancing their Romanian language skills.

**Program Requirements:**

The Romanian minor consists of 18 credit hours of ROM courses beyond ROM 201. This minor is structured so that it requires all ROM courses to be at the upper-division level (300 and above). A minimum of six credit hours must be completed in residence at ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours

ROM 313: Romanian Composition and Conversation (3)

ROM 314: Romanian Composition and Conversation (3)

ROM 411: Advanced Spoken and Written Romanian I (3)

ROM 412: Advanced Spoken and Written Romanian II (3)

ROM 494: Advanced Romanian Grammar I or ROM 494: Advanced Romanian Grammar II (3)

SLC 442: Dracula and Vampire Lore (3)

Course substitutions are permitted for heritage speakers and other advanced speakers of Romanian.

ROM 101 through 201 are not applicable to the minor.

Pass/Fail courses cannot be used for the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Students who wish to add a minor in Romanian to the bachelor's degree program they are pursuing may do so by contacting the School of  
Academic Catalog Archive 2019-2020

International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Russian Minor (LARUSMIN)

**Campus:** Tempe

**Description:**

Students pursuing a minor in Russian gain novice to intermediate language skills and an understanding of the literature and cultures of Russian-speaking peoples and regions. Despite the fall of the Soviet Union, Russia has remained an active player in world affairs. Russia's continued presence on the current international stage makes knowledge of Russian language and culture a valuable asset for students interested in government, diplomacy and international affairs and commerce.

The Russian language program cooperates with the Melikian Center to offer a transdisciplinary baccalaureate certificate in Russian, Eurasian and East European Studies for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Students are encouraged to study abroad. The ASU exchange program in Russian language and translation offers students the opportunity to study in Moscow, St. Petersburg or Kazan.

**Program Requirements:**

The Russian minor consists of 18 credit hours, of which at least 12 credit hours must be upper-division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Core Requirements -- 6 credit hours

RUS 311: Russian Composition and Conversation I (G) (3)

RUS 312: Russian Composition and Conversation II (G) (3)

Literature Course (Choose one) -- 3 credit hours

RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)

RUS 421: Pushkin (L or HU) (3)

RUS 425 / THE 425: Chekhov and Russian Drama (L or HU) (3)

RUS 430: Russian Short Story (L or HU) (3)

RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (HU & L) (3)

RUS 494: Slavophiles & Westernizers (3)

Electives (Choose three) -- 9 credit hours

At least two courses must be completed at the upper division level.

RUS 141: Russian Civilization: From Tsars to Putin ((L or HU) & G & H) (3)

RUS 211: Basic Russian Conversation I (G) (3)

RUS 212: Basic Russian Conversation II (G) (3)

RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)

RUS 411: Advanced Composition and Conversation I (G) (3)

RUS 412: Advanced Composition and Conversation II (G) (3)

RUS 421: Pushkin (L or HU) (3)

RUS 430: Russian Short Story (L or HU) (3)

RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (HU & L) (3)

RUS 440: Russian Mass Media (G) (3)  
RUS 484: Internship (1)  
RUS 493: Honors Thesis (L) (3)  
SLV 304: Digital Humanities for Language Majors (CS) (3)  
SLV 440: History of Slavic Languages (SB) (3)  
SLV 484: Internship (3)  
SLV 493: Honors Thesis (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Russian

Other Enrollment Requirements: None

Students who wish to add a minor in Russian may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Science, Technology and Society Minor (ECSTSMIN)

**Campus:** Polytechnic

**Description:**

The science, technology and society minor is offered to students outside the science, technology and society major, regardless of their major field of specialization.

Living in a 21st-century world is characterized by rapid technological change and uncertainty. Mastering the intricacies of the interrelationships between technology and human systems enhances a degree in any area and provides graduates with the insights and skills required for success in any endeavor.

**Program Requirements:**

The minor in science, technology and society requires 18 credit hours.

1. A minimum of six upper-division credit hours in the minor must be taken in courses offered through the College of Integrative Sciences and Arts.
2. Courses that count toward the minor must have a grade of "C" (2.00 on a scale of 4.00) or higher.
3. 12 credit hours of upper-division science, technology and society courses are required.

General Course -- 3 credit hours

STS 101: Introduction to Science, Technology, and Society (SB) or STS 304: Science, Technology, and Society (SB) (3)

Internationalization Course -- 3 credit hours

STS 110: Global Technology and Development (SB & G) or STS 317: Science, Technology, and Global Engagement (SB & G) (3)

Electives -- 12 credit hours

POS 301: Empirical Political Inquiry (SB) or ISS 301: Integrated Social Science Research Methods (SB) or STS 301: Research in Science and Technology Studies (SB) (3)

POS 316: American Political Institutions (3)  
STS 302: Philosophy of Science and Technology (SB) (3)  
STS 303: History of Science and Technology (H) (3)  
STS 305: Science and Social Theory (SB) (3)  
STS 306: Social Effects of Science and Technology (SB) (3)  
STS 318: Science, Technology, and Government (SB) (3)  
STS 325: Science, Technology, and Public Policy (SB) (3)  
STS 328: Science, Technology, and Culture (SB) (3)  
STS 329: Technology in Developing Countries (SB & G) (3)  
STS 330: Information Technology and Globalization (SB & G) (3)  
STS 331: Ethical Issues in Science and Technology (SB) (3)  
STS 332: Global Issues in Science and Technology (SB) (3)  
STS 364: Science, Technology, and National Security (SB) (3)  
STS 425: Law, Values, Science, and Technology (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Slavic Studies Minor (LASLVMIN)

**Campus:** Tempe

**Description:**

The Slavic studies minor focuses on Slavic languages and cultures with a concentration in either Bosnian/Croatian/Serbian or Polish. It is designed to complement the studies of students from a wide range of disciplines (e.g., history, cultural anthropology, music, political science, economics) whose professional interests lie in Poland or the countries of southeastern Europe. The program places equal emphases on language, culture and regional studies. The minor develops limited professional linguistic proficiency in either BCS or Polish along with adequate cultural sensitivity.

**Program Requirements:**

The minor in Slavic studies requires 18 upper-division credit hours. A minimum of six upper-division credit hours must be taken in residence at ASU. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Slavic Language Courses -- 6 credit hours

Students complete either BCS 311 and BCS 312 OR PLC 311 and PLC 312 for a total of 6 credit hours

Course substitutions are permitted for heritage speakers and other advanced speakers of Slavic languages. Please contact the School of International Letters and Cultures for more information.

BCS 311: Bosnian/Croatian/Serbian Composition and Conversation I (3)  
BCS 312: Bosnian/Croatian/Serbian Composition and Conversation II (3)  
PLC 311: Advanced Polish I (3)

PLC 312: Advanced Polish II (3)

Required Courses -- 12 credit hours

SLV 304: Digital Humanities for Language Majors (CS) (<https://webapp4.asu.edu/catalog/courselist?s=BCS&l=upperdivision&t=2197&hon=F>) >  
BCS OR PLC OR RUS OR SLV Upper Division Elective (3)  
(3)

SLV 440: History of Slavic Languages (SB) (3)

SLV 498: Pro-Seminar or SLV 498: Senior Capstone (3)

Pass/fail courses cannot be used for the minor.

No lower-division language courses are applicable to the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

Students who wish to add the minor in Slavic studies to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Social Welfare Minor (LASSWMIN)

**Campus:** Downtown Phoenix

**Description:**

The social welfare minor prepares students for work in human service settings where a fundamental knowledge of human relations is required. It complements careers in journalism, communications, public administration, nursing and related fields, and provides a foundation for students who seek to pursue a MSW.

The minor enhances and broadens students' abilities to analyze complex family, individual and societal problems in the context of societal values, cultural diversity and other social and economic variables. The minor also contributes to students' understanding of society and social behavior, encourages critical thinking and helps develop communication skills.

**Program Requirements:**

Students should:

1. be at sophomore standing to take 300- or 400-level courses
2. complete 18 credit hours of graded course work (internship or independent study not applicable)
3. complete a minimum of 12 credit hours of resident credit at ASU
4. complete SWU 171 as the prerequisite for all upper-division SWU courses
5. earn a grade of "C" (2.00 on a 4.00 scale) or higher for all classes in the minor
6. maintain a cumulative GPA of 2.00 (4.00 scale) or higher
7. meet with a social welfare advisor prior to registration
8. take a minimum of 12 credit hours of upper-division course work from the approved list

Required Courses -- 9 credit hours

SWU 171: Introduction to Social Work (SB & H) (3)

SWU 291: Social Service Delivery Systems (3)

SWU 432: Social Policy and Services (3)

Select three credit hours from the following list -- 3 credit hours

SWU 374: Diversity and Oppression in a Social Work Context (C) (3)

SWU 456: Immigrants and Refugees (C) (3)

SWU 457: Southwest Borderland Immigration Issues (C) (3)

SWU 459: Spirituality and the Helping Professions (3)

SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)

Select six credit hours from the following list\* -- 6 credit hours

SWU 303: Micro Human Behavior and the Social Environment (L or SB) (3)

SWU 340: Macro Human Behavior and the Social Environment (SB) (3)

SWU 454: Overview of Addictions (3)

SWU 456: Immigrants and Refugees (C) (3)

SWU 457: Southwest Borderland Immigration Issues (C) (3)

SWU 458: Behavioral Health Services (3)

SWU 459: Spirituality and the Helping Professions (3)

SWU 460: Legal Issues in Social Work (3)

SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)

SWU 462: Global Social Welfare (3)

SWU 498: Pro-Seminar (L) (1-7)

\*Note: Student may select one additional course from the cultural diversity in the U.S. options above.

\*Note: SWU 456, SWU 457, SWU 459, and SWU 461 cannot be used as both as an elective and in #2 above.

Lower-division credit hours required: 6

Upper-division credit hours required: 12

Total credit hours required: 18

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BSW in social work; BA in public service and public policy (social services delivery); BA in community advocacy and social policy

Other Enrollment Requirements: None

Students should meet with a social welfare advisor prior to registration.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Social Work

<https://socialwork.asu.edu>

UCENT 800

[social.work@asu.edu](mailto:social.work@asu.edu)

602-496-0800

**Social and Behavioral Sciences Minor (ASSBSMIN)**

**Campus:** West



**Description:**

The minor program in social and behavioral sciences provides students an interdisciplinary lens across several fields of the social and behavioral sciences including communication, sociocultural anthropology, geography, political science, psychology and sociology.

**Program Requirements:**

The minor in social and behavioral sciences consists of 18 credit hours, of which a minimum of 12 credit hours must be upper division. A minimum of 12 credit hours must come from the School of Social and Behavioral Sciences. Students wishing to pursue a minor must meet with an academic advisor in the School of Social and Behavioral Sciences to construct a minor that reflects a particular area of specialty and interest. A maximum of three credit hours of internship and three credit hours of individualized instruction may be used to fulfill requirements. Up to three credit hours of Study Abroad or International Internship courses relevant to the student's major maybe be applied to the minor. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses -- 6 credit hours

SBS 200: Introduction to Social and Behavioral Sciences (SB) (3)

SBS 302: Qualitative Methods or SBS 303: Quantitative Methods (3)

Program Electives -- 12 credit hours

Choose 12 credit hours from at least three of the following prefixes: ASB, JHR, POS, SBS, and SOC. A minimum of 9 credit hours must be upper division.

ASB OR JHR OR POS OR SBS OR SOC Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in social and behavioral sciences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/social-and-behavioral-sciences-minor>

FAB N100

sbsadvising@asu.edu

602-543-3000

## Sociocultural Anthropology Minor (ASASBMIN)

**Campus:** West

**Description:**

The minor in sociocultural anthropology, offered by the School of Social and Behavioral Sciences, is designed to provide students with a substantive understanding of the theoretical assumptions and methodological techniques underlying the field of sociocultural anthropology. Courses provide students with knowledge about and theoretical approaches to cross-cultural studies and transnational research, emphasizing culture and political economy in historical context.

**Program Requirements:**

The minor in sociocultural anthropology requires 18 credit hours, at least 12 hours of which must be in upper division courses taken in the School of Social and Behavioral Sciences. Two core courses are required, ASB 311 and SBS 302. The remaining 12 credit hours may be chosen from ASB

courses and select SBS courses. Up to six hours of lower division ASB credit, three hours of ASB 499 Individualized Instruction, and three hours of ASB 484 Internship may be applied toward the minor. Up to six hours of ASB courses offered by other ASU campuses may be applied toward electives in the minor. Up to three credit hours of any study abroad course, in any prefix, may apply to this minor. All coursework within the minor must be passed with a minimum grade of "C" (2.00) or better.

**Required Courses -- 6 credit hours**

ASB 311: Principles of Social Anthropology (SB & G & H) (3)

SBS 302: Qualitative Methods (3)

**Electives (minimum 6 upper-division) -- 12 credit hours**

ASB 102: Introduction to Cultural Anthropology (SB & G) (3)

ASB 211: Women in Other Cultures ((HU or SB) & G) (3)

ASB 319: The North American Indian (3)

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)

ASB 340: Migration and Culture (SB & G) or SBS 450: Migration & Culture (SB & G) or SOC 328: Migration and Culture (SB & G) (3)

ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)

ASB 346: Marriage and Family Diversity (SB & C) (3)

ASB 350: Anthropology and Art (HU) (3)

ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)

ASB 356 / GCU 356 / POS 354 / SBS 356 / SOC 356: Central American Studies (SB & G) (3)

ASB 374 / POS 374 / SBS 374: Cultures and Politics of the Internet (SB) (3)

ASB 389 / SBS 389 / SOC 389: Ethnographic Field Lab (3)

ASB 394: Special Topics (3)

ASB 442 / SBS 460: Global Cities (SB & G) (3)

ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)

ASB 484: Internship (3)

ASB 494: Special Topics (3)

ASB 499: Individualized Instruction (3)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)

SBS 301: Cultural Diversity ((L or SB) & C) (3)

SBS 450: Topics in Local/Global (SB & G) (3)

SBS 480 / POS 480: Global Justice (G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in sociocultural anthropology is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/sociocultural-anthropology-minor>

FAB N100

sbsadvising@asu.edu

602-543-3000

## **Sociology Minor (ASSOCMIN)**

**Campus:** West

**Description:**

The minor program in sociology, offered by the School of Social and Behavioral Sciences, provides students with an understanding of the theory, practice and policy underlying issues of social change, inequality and diversity. These issues are approached from multiple perspectives, including race or ethnicity, gender, economic position, age, geographic location and position in the global political economy.

The student minoring in sociology learns how it enhances one's understanding of social realities and institutions at local, national and international levels and how sociology contributes to the other social sciences and to the humanities.

Students gain a basic understanding of the assumptions underlying the discipline of sociology and develop the research skills necessary for analysis of complex social issues. These objectives are met by offering a flexible program and by providing the student with individual and group experiences in working with faculty members on concrete intellectual and policy issues.

**Program Requirements:**

The minor in sociology consists of 18 credit hours (a minimum of 12 credit hours must be upper division). Students wishing to pursue this minor must meet with an academic advisor in the School of Social and Behavioral Sciences to construct a minor that reflects a particular area of specialty and interest. A minimum of 12 upper division credit hours must be completed through the School of Social and Behavioral Sciences. A maximum of three credit hours of SOC 484 or SOC 499 may be used to fulfill the requirements of this minor. All courses used to satisfy requirements for the minor must be passed with a "C" or better.

Foundation Requirement -- 3 credit hours

SOC 101: Introductory Sociology (SB) (3)

Select one course from the following: -- 3 credit hours

SBS 303: Quantitative Methods (3)

SBS 304: Social Statistics I (CS) (3)

SOC 426: Social Inequality (SB) (3)

SOC 486: Contemporary Theory (SB) (3)

Elective Courses (minimum 9 upper-division) -- 12 credit hours

SOC Elective (3)

SOC Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS or BA in sociology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/sociology-minor>

FAB N100

sbsadvising@asu.edu

602-543-3000

**Sociology Minor (LASOCMIN)**

**Campus:** Tempe, Online

**Description:**

The minor program in sociology from the Sanford School of Social and Family Dynamics exposes students to the basic coursework and issues within the discipline. This program provides an exceptional balance to studies in psychology, communication, education, business and nursing.

**Program Requirements:**

The minor in sociology requires 18 credit hours, of which 12 credit hours must be upper-division courses. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

SOC 101: Introductory Sociology (SB) (3)

SOC 391: Research Methods (L or SB) or SOC 483: History of Social Thought (SB) or SOC 486: Contemporary Theory (SB) (3)

Electives -- 12 credit hours

SOC Elective (3)

SOC Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in sociology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics

<https://thesanfordschool.asu.edu/>

SS 144

[advisor@asu.edu](mailto:advisor@asu.edu)

480-965-6978

## Spanish Minor (ASSPAMIN)

**Campus:** West

**Description:**

The minor in Spanish addresses language and examines the cultural production of Spanish-speaking communities.

**Program Requirements:**

The minor in Spanish consists of 18 credit hours, of which 12 hours must be upper division. A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Courses for the minor must be chosen in consultation with an academic advisor in the School of Humanities, Arts, and Cultural Studies. Preparatory course work may not be used to satisfy requirements for the minor. Preparatory course work includes Spanish lower division language courses. All courses used to satisfy the requirements for the minor must be passed with a "C" or better.

Core Requirements -- 12 credit hours

SPA 202: Intermediate Spanish (G) (4)

Three of the four credit hours from SPA 202 are counted toward the minor. The additional credit hour is applied toward university elective credit hours.

SPA 313 AND SPA 314: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C) AND SPA 316: Advanced Spanish II for Bilinguals (L & C) (3)

SPA 325: Introduction to Hispanic Literature (HU) (3)

Electives (minimum 3 upper-division) -- 6 credit hours

Students should consult with an academic advisor to select six credit hours from the Spanish elective list or other appropriate courses from the LAS or SPA prefixes, with the understanding that their coursework will be carried out in Spanish.

LAS 330: From the Inside: The Latin American Journey (HU) (3)

LAS 340: Latin American Women Writers (3)

LAS 350: The Construction of a Nation: Chile in the 20th/21st Century (3)

LAS 351: Cityscapes: Urban Mexican Literature and Culture (3)

LAS 355: Contemporary Mexican Cinema: Changing Cartographies (3)

LAS 394: Special Topics (3)

LAS 471: Treaties and Cultural Production in Spain and the Americas (3)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) (3)

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) (3)

LAS 494: Special Topics (3)

SPA 394: Special Topics (3)

SPA 412: Advanced Conversation and Composition (G) (3)

SPA 413: Spanish Grammar in Context (G) (3)

SPA 456: 20th-Century Spanish American Fiction (3)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)

SPA 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in Spanish

Other Enrollment Requirements: None

The minor in Spanish is open to all ASU undergraduate students.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/spanish-minor>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

## **Spanish Minor (LASPAMIN)**

**Campus:** Tempe, Online

#### **Description:**

Students pursuing a minor in Spanish gain an understanding of the language, literature and cultures of Spanish-speaking peoples and regions. Opportunities to participate in study abroad programs can serve to enhance a student's minor experience and education. More information is available at <https://mystudyabroad.asu.edu/> (<https://mystudyabroad.asu.edu/>).

**Program Requirements:**

The minor in Spanish requires a total of 21 credit hours, of which 18 hours must be upper-division. A minimum of six upper-division credit hours must be taken from courses offered by the College of Liberal Arts and Sciences.

In addition to 12 credit hours in required courses, students complete nine credit hours from one track beneficial to their personal or academic goals. Available tracks include Spanish Language Studies, Spanish Literary and Cultural Studies and Spanish Linguistics.

A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses. Pass/Fail courses cannot be used.

**Required Courses -- 12 credit hours**

SPA 202: Intermediate Spanish (G) or SPA 204: Intermediate Spanish II for Bilinguals (G) (4)

Notes: Three of the four credit hours from SPA 202 or SPA 204 are counted toward the minor. The additional credit hour is applied toward university elective hours.

SPA 313: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C) (3)

SPA 314: Spanish Conversation and Composition (G) or SPA 316: Advanced Spanish II for Bilinguals (L & C) (3)

SPA 412: Advanced Conversation and Composition (G) (3)

Course substitutions are allowed for heritage and advanced speakers of the language.

**Minor Tracks -- 9 credit hours**

Complete at least 9 credit hours from one track below (9)

**Spanish Language Studies**

SPA 413 is required for this track.

SPA 413: Spanish Grammar in Context (G) (3)

Choose one course from the following:

SPA 400: Introduction to Spanish Linguistics (SB & G) (3)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)

SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

Choose one course from the following:

SPA 394: Special Topics (3)

SPA 484: Internship (3)

SPA 494: Special Topics (3)

Upper Division Spanish Study Abroad Course (3)

**Spanish Literary and Cultural Studies**

SPA 325 is required for this track.

SPA 325: Introduction to Hispanic Literature (HU) (3)

Choose one course from the following:

SPA 425: Foundational Texts of Spain (L or HU) (3)

SPA 426: Literature and Society in Modern Spain (HU) (3)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) (3)

SPA 464: Jaitón Works in Chicano/a Literature ((HU or SB) & C) (3)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)

SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

Choose one course from the following:

SPA 319: Business Correspondence and Communication (G) (3)

SPA 400: Fundamentals of Spanish Linguistics (SB & G) (<https://webapp4.asu.edu/catalog/courselist?s=SPA&l=300-399&t=2197&hon=F>) > SPA 3\*\* Elective (3)

SPA 4\*\* Elective (3)

**Spanish Linguistics**

SPA 400 is required for this track.

(3)

Choose two courses from the following:

SPA 417: The Sounds of Spanish (CS) (3)

SPA 418: Architecture of Spanish (3)

SPA 419: Spanish Around the World (CS & C) (3)

SPA 420: Applied Spanish Linguistics (L) (3)

SPA 421: Spanish in the Southwest (C) (3)

See information about Language Placement Testing (<https://silc.asu.edu/student-life/academic-advising/placement-testing>) or consult with an academic advisor in the School of International Letters and Cultures regarding placement into Spanish language classes. Students testing into higher Spanish language courses may need overrides to enroll.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Spanish; BAE in secondary education (Spanish)

Other Enrollment Requirements: None

Students who wish to add the minor in Spanish to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Spanish Minor (LSSPAMIN)

**Campus:** Downtown Phoenix, Online

**Description:**

The series of courses in this 18 credit hour minor help students hone Spanish communication skills and cultural knowledge that will help them serve the needs of the U.S. Latino community in professional settings (e.g., criminology, education, health care, journalism, social work). The combination of professionally focused courses and practical experience in this minor enhances students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S. Latino culture.

**Program Requirements:**

The Spanish minor requires a total of 18 credit hours.

Prerequisite: SPA 314 or SPA 316 or SPA 317 or permission of instructor.

All courses for this minor will require a minimum grade of "C" (2.00 on a 4.00 scale) or better to receive credit toward fulfilling minor requirements.

Required Courses -- 12 credit hours

SPA 317: Spanish for the Professions (3)

SPA 404: Spanish in U. S. Professional Communities (C) (3)

SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G) (3)

SPA 484: Internship (3)

Notes: Prerequisite: A minimum of 12 credit hours completed in this minor and permission of the director of the Spanish minor is required.

Elective Courses -- 6 credit hours

SPA 403: Spanish Grammar and Stylistics for the Professions (3)

SPA Upper Division Elective (3)

Notes: SPA 300- or 400-level Spanish courses focused on the professions (e.g., business, education, engineering and urban planning, health care, journalism, legal and justice studies, medical or legal interpretation, social work, sustainability)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Spanish

Other Enrollment Requirements: None

For additional admission and registration requirements, students should visit the school website.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts

<https://cisa.asu.edu>

AZCENT 380

CISA@asu.edu

602-496-0271

## Special Events Management Minor (HSEVNMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in special events management is designed to offer students a solid understanding of special events programming and management. In addition to the two-tiered special events course, which provides basic and advanced instruction as well as experiential learning opportunities through event production, students are able to select electives to meet their interests.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program.

**Program Requirements:**

The minor requires 15 credit hours: six credit hours of required courses and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours

PRM 486: Special Events Management (3)

PRM 487: Advanced Special Events Management or CSM 485: Sports Events (3)

Notes: Offered Spring only

Electives (choose three courses) -- 9 credit hours

NLM 300: Fund Raising and Resource Development (3)

PRM 203: Program Planning (3)

PRM 304: Recreation Planning and Facility Development (L) (3)

Notes: Offered Fall only

PRM 475: Entrepreneurial Recreation and Tourism (3)

PRM 484: Internship (3)

TDM 205: Introduction to Travel and Tourism (G) (3)

TDM 345: Meeting and Convention Planning (3)

TDM 350: Tourism, Recreation and Sports Marketing (3)

TDM 458: International Tourism (G) (3)

**Standards**

1. 15 credit hours of graded course work (no independent study)
2. minimum grade of "C" (2.00 on a 4.00 scale) required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor
4. a major other than parks and recreation management or tourism development and management
5. should be a junior to take 400-level courses



6. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management; BS in tourism development and management (including all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 500  
scrdadvising@asu.edu  
602-496-0550

## Speech and Hearing Science Minor (LASHSMIN)

**Campus:** Tempe

**Description:**

The undergraduate minor in speech and hearing science is an academic program with emphasis on normal aspects of speech, language and hearing. The focus is on how motor, cognitive and sensory systems interact with, and influence, hearing, speech and language in children and adults.

**Program Requirements:**

The minor in speech and hearing science consists of 24 credit hours, and though the following classes are required, students are strongly encouraged to meet with an advisor from the Department of Speech and Hearing Science.

Required courses -- 15 credit hours

SHS 205: Exploring Communication Disorders in Children and Adults (3)

SHS 250: Introduction to Phonetics (3)

SHS 310: Anatomical and Physiological Bases of Speech (3)

SHS 311: Hearing Science (3)

SHS 367: Language Science (SB) or SHS 375: Speech Science (3)

Upper Division Electives -- 9 credit hours

SHS 401: Principles of Audiology (3)

SHS 402: Clinical Methods and Treatment of Communication Disorders (3)

SHS 465: Speech and Language Acquisition (SB) (3)

SHS 470: Developmental Speech and Language Disorders (3)

SHS 485: Acquired Speech and Language Disorders (3)

SHS 496: Aural Rehabilitation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in Speech and Hearing Science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/speech-and-hearing-science-0>  
HLTHN 401AA  
chs@asu.edu  
480-965-2374

## Statistics Minor (LASTAMIN)

**Campus:** Tempe

**Description:**

The minor in statistics is beneficial for students majoring in a variety of disciplines such as physics, engineering applications, business, economics, the life and social sciences or to any field where there is a need for quantification in the analysis of phenomena.

**Program Requirements:**

The minor in statistics requires a minimum of 18 credit hours, of which at least 12 hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours

MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)

MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)

MAT 300: Mathematical Structures (L) (3)

STP 420: Introductory Applied Statistics (CS) (3)

STP 421: Probability (3)

STP 427: Mathematical Statistics or STP 429: Experimental Statistics (CS) (3)

STP 421 and STP 427 must be taken through the College of Liberal Arts and Sciences.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science and statistics; BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Students should confer with an academic advisor in the School of Mathematical and Statistical Sciences before declaring the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>  
WXLR A211  
math@asu.edu  
480-965-7195

## Studio Art Minor (HISTARTMIN)

**Campus:** Tempe

### **Description:**

The studio art minor is designed for students who have an interest in studio arts but are pursuing another major.

The program includes foundation art courses on formal issues in art and upper-division courses that develop the conceptual basis students need while increasing their technical proficiency in one or more studio areas. Coursework in art history, both lower and upper division, helps foster critical understanding of aesthetics and the production of art. The designated coursework is flexible enough for students to concentrate in a single area of the studio arts or explore several mediums.

### **Program Requirements:**

The minor requires 21 credit hours (12 upper-division) in studio art and historical & developmental art perspectives.

Studio Core -- 6 credit hours

ART 110: Drawing as Seeing and Thinking (HU) (3)

ART 112: 2-D Design or ART 113: Color or ART 115: 3-D Design or ART 116: Introduction to Digital Media or ART 206: Digital Photography I (3)

Upper-Division Studio Courses -- 9 credit hours

ARA 309: Photography Now (<https://webapp4.asu.edu/catalog/courselist?s=ART&l=upperdivision&t=2197&hon=F>) > ART Upper Division Elective (9)

ART 394 Topics for "Non-Majors" are encouraged for Upper-Division Studio Courses requirement.

When selecting other 300 & 400 level ART courses for Upper Division Studios, check the prerequisites. In some cases, instructors will approve an override. Please email the School of Art override form to the instructor to request permission if requisites are not met. If no instructor is listed, visit the School of Art office (room 102 in the Art building) for assistance with overrides.

Historical & Developmental Art Perspectives -- 6 credit hours

ARA 311: Art Appreciation and Human Development (HU) or ARA 489: Writing Art and Design Criticism or ARE 301: Studio Art and Human Development or ARS 101: Art from Prehistory Through Middle Ages (HU & H)

(<https://webapp4.asu.edu/catalog/courselist?s=ARA&l=upperdivision&t=2197&hon=F>) > ARA OR ARE OR ARS Upper Division Elective (3)

ARS 102: Art from Renaissance to Modernism (HU & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Majors Ineligible to Add This Minor: All studio art majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu>  
CDS 101

## Sustainability Minor (SUSUSMIN)

**Campus:** Polytechnic, Tempe, West, Online

### Description:

Students in the sustainability minor learn about the concept of sustainability and how it may be used to develop solutions to pressing issues affecting society, organizations and the world. The minor introduces sustainability principles and explains how sustainability can be applied to all academic disciplines and professional fields. Students explore the challenges of sustainability within human institutions, organizations, cultures and technology and in local, national and international contexts.

The minor is intended to draw from and inform any major that is offered by the university.

### Program Requirements:

The sustainability minor requires 18 credit hours of study, at least nine of which must be upper-division. The program includes six credit hours of required core courses, six credit hours of required theme courses, and six credit hours of upper-division sustainability-related electives that relate to the student's major.

All courses must be completed with a grade of "C" (2.00) or higher.

#### Required Core Courses -- 6 credit hours

SOS 100: Introduction to Sustainability (G) (3)

SOS 300: Advanced Concepts and Integrated Approaches in Sustainability (3)

#### Required Theme Courses -- 6 credit hours

Two courses, each from a different sustainability theme area below.

#### Coupled Human-Environment Systems

ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) (3)

CHM 107: Chemistry and Society (SQ) (3)

GLG 110: Dangerous World (SG & G) (3)

GPH 210: Society and Environment (G) (3)

ISS 450: Consumerism and Sustainable Development (SB) (3)

LSC 362: The Human Environment (3)

SOS 320: Society and Sustainability (L or SB) (3)

SOS 327: Sustainable Food and Farms (3)

#### Earth Systems

ABS 225: Soils (SQ) (3)

ABS 270: Sustainable Biological Systems (3)

BIO 100: The Living World (SQ) (4)

ENV 410: Soil Science (4)

GLG 101: Introduction to Geology I (Physical) (SQ) (3)

GLG 108: Water Planet (SQ) (4)

GLG 110: Dangerous World (SG & G) (3)

GPH 211: Landform Processes (SQ) (4)

LSC 388: Bee Ecology in Urban and Wild Habitats (L) (3)

SES 106: Habitable Worlds (SQ) (4)

SOS 326: Sustainable Ecosystems (3)

#### Human Transformation of the Earth

ABS 260: Fundamentals of Sustainable Horticulture (SG) (4)

ABS 270: Sustainable Biological Systems (3)

ABS 363: Sustainable Landscape Practice (4)

ALA 100: Introduction to Environmental Design (HU & H & G) (3)

ASM 104: Bones, Stones, and Human Evolution (SB or SG) (4)

BIO 130: Introduction to Environmental Science (SQ) (4)

CON 101: Construction and Culture: a Built Environment (HU & H) (3)

ENV 201: Fundamentals of Environmental Science (3)

FSE 181: Technological, Social, and Sustainable Systems (HU) (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)

IND 243: Design for Ecology and Social Equity (3)

SOS 111 / PUP 190: Sustainable Cities ((HU or SB) & G) (3)

SOS 323: Sustainable Urban Dynamics (3)  
SOS 324: Sustainable Energy Technology and Systems (3)  
SOS 465 / PUP 465: Sustainable Urbanism (3)  
STS 235: Technology and Urban Systems (L) (3)

Social, Political and Economic Treatment of Natural Resources and Environment

ABS 381: Natural Resources Policy (3)  
ABS 479: Ecosystem Management and Planning (L) (3)  
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)  
AGB 414: Food and Agribusiness Policy Issues (L) (3)  
AGB 452: Global Food and Agricultural Trade (3)  
ASB 100: Introduction to Global Health (SB & G) (3)  
GCU 441: Economic Geography (SB) (3)  
IAS 340 / PHI 320: Bioethics (HU) (3)  
IAS 409: Eco-Community Ethics (HU) (3)  
PHI 306: Applied Ethics (HU) (3)  
PHI 360: Business and Professional Ethics (HU) (3)  
SGS 203: Contemporary Global Trends (SB & G) (3)  
SGS 303: Global Trends (SB) (3)  
SOS 110: Sustainable World (SB) (3)  
SOS 321: Policy and Governance in Sustainable Systems (3)  
SOS 323: Sustainable Urban Dynamics (3)  
SOS 325: The Economics of Sustainability (3)  
SOS 330: Sustaining the Commons (L) (3)  
STS 101: Introduction to Science, Technology, and Society (SB) (3)  
STS 110: Global Technology and Development (SB & G) (3)

Upper-Division Sustainability-Related Electives -- 6 credit hours

Upper Division courses that are sustainability-related and ideally make a connection between the student's major and the minor (#trackgroup) (6)

Students should consult with their major advisor for upper division sustainability-related elective course selection. Possible courses for these electives can be explored at <https://schoolofsustainability.asu.edu/sustainability-courses-at-asu/>, but still need to be approved by the student's major academic advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in business (sustainability); BA in interdisciplinary studies with a concentration in sustainability; BA in sustainability; BS in sustainability

Other Enrollment Requirements: Students interested in adding a minor in sustainability should work with their major academic advisor. A student's major advisor will approve the two upper-division electives required for the minor in sustainability.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Sustainability, School of  
School of Sustainability  
<https://schoolofsustainability.asu.edu/>  
WGHL 108  
sustainabilityminor@asu.edu

## Sustainable Tourism Minor (PPTDMSMIN)

**Campus:** Downtown Phoenix

### **Description:**

As sustainability expands in popularity as a discipline, students are looking to find ways to better understand how they can apply the principles of sustainability to specific areas of interest. A minor in sustainable tourism allows students from any major to learn the basic concepts and theories of tourism development and management. This program helps students identify ways in which tourism can contribute to sustainable development, locally and globally.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as sustainability, business and many others find this program a beneficial supplement to their existing program. Students may also choose to complete a study abroad program.

### **Program Requirements:**

The minor requires a total of 15 credit hours, 12 credit hours of required courses and one three-credit hour course from the list of electives.

Required Core Courses -- 12 credit hours

TDM 205: Introduction to Travel and Tourism (G) (3)

TDM 372: Tourism Planning (L) (3)

TDM 458: International Tourism (G) (3)

TDM 480: Sustainable Tourism (3)

Elective Course (choose one) -- 3 credit hours

TDM 448: Heritage and Cultural Tourism (3)

TDM 475: Entrepreneurial Recreation and Tourism (3)

TDM 481: Sustainable Food Management in Tourism (3)

Notes: Offered Spring only

TDM 482: Sustainable Revenue Management (3)

Notes: Offered Spring only

TDM 494: Special Topics (3)

Standards

1. 15 hours of graded classroom course work (no internship, no independent study)
2. minimum "C" (2.00 on a 4.00 scale) grade required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor; a major other than tourism development and management
4. should be a junior or higher to take 400-level courses
5. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in tourism development and management; BS in tourism development and management (sustainable tourism); BS in tourism development and management (resort and hotel leadership)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu>  
UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
602-496-0550

## Technical Communication Minor (LSTWCMIN)

**Campus:** Polytechnic, Online

### Description:

The minor program in technical communication provides students from other degree programs a foundation in workplace-oriented communication skills that will complement many majors, particularly those in engineering and other technical disciplines, and can make students more competitive in their career path. The minor teaches students how to design, produce and manage professional documents, both print and digital; students also strengthen their technology abilities.

### Program Requirements:

The undergraduate minor in technical communication requires 18 credit hours. A grade of "C" or better is required for all courses in the minor.

Required Courses -- 12 credit hours

TWC 301: Fundamentals of Writing for Digital Media (L) (3)  
TWC 401: Fundamentals of Technical Communication (L) (3)  
TWC 411: Principles of Visual Communication (L) or TWC 421: Principles of Web Authoring (L) (3)  
TWC 431: Principles of Technical Editing (3)

Elective Courses -- 6 credit hours

TWC 411: Principles of Visual Communication (L) (3)  
TWC 414: Visualizing Data and Information (3)  
TWC 421: Principles of Web Authoring (L) (3)  
TWC 422: Social Media in the Workplace (3)  
TWC 435: Global Issues in Technical Communication (G) (3)  
TWC 436: Project Management in Technical Communication (3)  
TWC 443: Grant & Proposal Writing (3)  
TWC 444: User Experience (3)  
TWC 445: Content Strategy (3)  
TWC 446: Technical and Scientific Reports (L) (3)  
TWC 451: Copyright and Intellectual Property in the Electronic Age (3)  
TWC 452: Information in the Digital Age (3)  
TWC 453: Information and Communications Technology in American History (L & H) (3)  
TWC 454: Information Technology and Culture (C) (3)  
TWC 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### Enrollment Requirements:

GPA Requirement: 2.00

Incompatible Majors: Technical Communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/technical-communication-minor>)

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/tech-comm>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Technological Entrepreneurship and Management Minor (ESTEM2MIN)

**Campus:** Polytechnic, Online

**Description:**

A minor in technological entrepreneurship and management is available to students throughout the university who are interested in advancing ideas for new or improved products or services.

The courses available for the minor are designed to advance entrepreneurial and systems thinking, and cover a broad range of topics important to venture startups such as creativity, entrepreneurship, innovation, global impact and systems thinking. This minor is available as either an on-campus or a 100 percent online program.

**Program Requirements:**

Completion of the technological entrepreneurship and management minor requires 18 resident credit hours of the specified TEM courses with a grade of "C" or better in each course.

Students may not double count any courses with other entrepreneurship certificates.

**Required Courses -- 12 credit hours**

FSE 301 / ENT 360: Entrepreneurship and Value Creation (3)  
TEM 230: Creativity and Business Innovation or ENT 340: Creativity and Innovation (L or HU) (3)  
TEM 330: Systems Innovation or TEM 431: Innovation Management (3)  
TMC 110: Understanding the Enterprise or ENT 305: Principles of Entrepreneurship (3)

**Electives -- 6 credit hours**

ACC 382: Accounting and Financial Analysis (3)  
CIS 300: Web Design and Development or GIT 215: Introduction to Web Authoring (3)  
ENT 446: Venture Capital Experience (3)  
ENT 447: Lean Launch (3)  
ENT 448: Corporate Entrepreneurship (3)  
LES 380: Consumer Perspective of Business Law or OMT 402: Legal Issues for Technologists (3)  
MGT 380: Management and Strategy for Nonmajors or TMC 430: Enterprise Strategy and Innovation (3)  
MKT 425: Global Marketing Management (G) (3)  
TEM 294: Social Entrepreneurship I (3)  
TEM 311: Opportunity Analysis (3)  
TEM 394: Social Entrepreneurship II (3)  
TEM 400: Technology Entrepreneurship (3)  
TEM 481: Consulting Project (3)  
TEM 482: Startup Workshop (3)  
TMC 310: Promotion of the Enterprise or MKT 300: Marketing and Business Performance or MKT 390: Essentials of Marketing or AGB 420: Food Advertising and Promotion (3)  
TMC 320: Funding the Enterprise or FIN 455: Entrepreneurial Finance (3)  
TMC 330: Leading the Enterprise or MGT 300: Organization and Management Leadership or ENT 441: Entrepreneurial Management (3)  
TMC 331: Quality Assurance (3)  
TMC 410: Enterprise Operations (3)  
TMC 470: Enterprise Planning and Implementation (3)

At least four of the six courses must be upper-division.

By petition, students can take two upper-division electives from their chosen discipline.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None



Incompatible Majors: BS in technological entrepreneurship and management; BAS in applied science (operations management); BS in business entrepreneurship

Other Enrollment Requirements: The technological entrepreneurship and management minor is open to non-TEM undergraduate students. TEM students are not eligible to apply for this minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Tech Entrepreneurship & Mgmt  
<https://poly.engineering.asu.edu/tem/bs-technological-entrepreneurship-and-management/>  
WANER 240  
polyadvising@asu.edu  
480-727-1874

## Technological Entrepreneurship and Management Minor (ESTEM2MIN)

**Campus:** Polytechnic, Online

**Description:**

A minor in technological entrepreneurship and management is available to students throughout the university who are interested in advancing ideas for new or improved products or services.

The courses available for the minor are designed to advance entrepreneurial and systems thinking, and cover a broad range of topics important to venture startups such as creativity, entrepreneurship, innovation, global impact and systems thinking. This minor is available as either an on-campus or a 100 percent online program.

**Program Requirements:**

Completion of the technological entrepreneurship and management minor requires 18 resident credit hours of the specified TEM courses with a grade of "C" or better in each course.

Students may not double count any courses with other entrepreneurship certificates.

Required Courses -- 12 credit hours

FSE 301 / ENT 360: Entrepreneurship and Value Creation (3)  
TEM 230: Creativity and Business Innovation or ENT 340: Creativity and Innovation (L or HU) (3)  
TEM 330: Systems Innovation or TEM 431: Innovation Management (3)  
TMC 110: Understanding the Enterprise or ENT 305: Principles of Entrepreneurship (3)

Electives -- 6 credit hours

ACC 382: Accounting and Financial Analysis (3)  
CIS 300: Web Design and Development or GIT 215: Introduction to Web Authoring (3)  
ENT 446: Venture Capital Experience (3)  
ENT 447: Lean Launch (3)  
ENT 448: Corporate Entrepreneurship (3)  
LES 380: Consumer Perspective of Business Law or OMT 402: Legal Issues for Technologists (3)  
MGT 380: Management and Strategy for Nonmajors or TMC 430: Enterprise Strategy and Innovation (3)  
MKT 425: Global Marketing Management (G) (3)  
TEM 294: Social Entrepreneurship I (3)  
TEM 311: Opportunity Analysis (3)  
TEM 394: Social Entrepreneurship II (3)  
TEM 400: Technology Entrepreneurship (3)  
TEM 481: Consulting Project (3)  
TEM 482: Startup Workshop (3)  
TMC 310: Promotion of the Enterprise or MKT 300: Marketing and Business Performance or MKT 390: Essentials of Marketing or AGB 420: Food Advertising and Promotion (3)

TMC 320: Funding the Enterprise or FIN 455: Entrepreneurial Finance (3)  
TMC 330: Leading the Enterprise or MGT 300: Organization and Management Leadership or ENT 441: Entrepreneurial Management (3)  
TMC 331: Quality Assurance (3)  
TMC 410: Enterprise Operations (3)  
TMC 470: Enterprise Planning and Implementation (3)

At least four of the six courses must be upper-division.

By petition, students can take two upper-division electives from their chosen discipline.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in technological entrepreneurship and management; BAS in applied science (operations management); BS in business entrepreneurship

Other Enrollment Requirements: The technological entrepreneurship and management minor is open to non-TEM undergraduate students. TEM students are not eligible to apply for this minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Tech Entrepreneurship & Mgmt

<https://poly.engineering.asu.edu/tem/bs-technological-entrepreneurship-and-management/>  
WANER 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Theatre Minor (FATHEMIN)

**Campus:** Tempe

**Description:**

Students pursuing the theatre minor study the literatures, histories and basic production practices of theatre while having opportunities to concentrate in an area such as:

- design and production
- directing and performance
- new work development
- theatre and performance studies
- theatre for youth

**Program Requirements:**

The school offers a minor in theatre consisting of 22 credit hours of coursework (12 credit hours must be upper-division). A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met (see course listings).

Transfer students may transfer up to 9 credit hours toward the minor.

Required Courses -- 13 credit hours

FMP 201: Film: The Creative Process I (HU) (3)

THE 100: Introduction to Theatre (HU) (3)

THE 322: Theatre History and Culture (HU & H) (3)

THF 101: Acting Introduction (3)

THP 201: Theatre Production Crew (1)

\*Students considering a minor in Film concurrently must complete an additional course in Theatre or Film to make up for the overlapping FMP 201 course (and THF 101, if taken for the Filmmaking Practices concentration).

Theatre-Related Upper Division Courses -- 9 credit hours

THE OR THF OR THP OR FMP Upper Division Elective (9)

FMP courses must be Theatre-related.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: All theatre majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<https://filmdancetheatre.asu.edu/>

GHALL 232

[fdt@asu.edu](mailto:fdt@asu.edu)

480-965-5337

## Tourism Development and Management Minor (PPTDMMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in tourism development and management provides students with the planning and development skills needed to enter the largest industry in the world. Exposure to the businesses of sustainable tourism, heritage tourism and meeting and convention planning prepares students for successful careers in the fast-growing travel and tourism industry.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program. Having completed the minor program in tourism development and management, a student also may complete a certificate in convention sales and meeting planning: <https://scrd.asu.edu/programs/certificate/convention-sales-and-meeting-planning> (<https://scrd.asu.edu/programs/certificate/convention-sales-and-meeting-planning>).

Students also may choose to participate in a study abroad program.

**Program Requirements:**

The tourism development and management minor requires 15 credit hours, six credit hours of required core courses and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours

TDM 205: Introduction to Travel and Tourism (G) (3)

TDM 480: Sustainable Tourism (3)

Elective Courses (choose three) -- 9 credit hours

CSM 483: Sports Tourism (3)

Notes: Offered Spring only

PRM 486: Special Events Management (3)

TDM 225: Introduction to Resort and Hotel Management (3)  
TDM 345: Meeting and Convention Planning (3)  
TDM 350: Tourism, Recreation and Sports Marketing (3)  
TDM 386: Convention Sales and Management (3)  
TDM 415: Tourism Transportation Systems (3)  
TDM 448: Heritage and Cultural Tourism (3)  
TDM 458: International Tourism (G) (3)  
TDM 494: Special Topics (3)

#### Standards

1. 15 hours of graded classroom course work (no internship, no independent study)
2. minimum grade of "C" (2.00 on a 4.00 scale) required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than tourism development and management
4. students should be a junior to take 400-level courses
5. no double-counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### Enrollment Requirements:

GPA Requirement: 2.00

Incompatible Majors: BS in tourism development and management; BS in tourism development and management (sustainable tourism); BS in tourism development and management (resort and hotel leadership)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
602-496-0550

## Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)

**Campus:** Tempe

#### Description:

In the transborder Chicana/o and Latina/o studies minor, students gain general knowledge about the Chicana/o and Latina/o populations in the United States and on the U.S.-Mexico border from a comparative perspective. The core requirements focus on these populations' cultural, economic, sociological, historical, psychological and artistic experiences. For the remaining credit hours, students may select from courses in a variety of topics including:

- community development
- diversity in education
- film and the media
- health issues
- immigration and migration
- language and bilingualism
- literature and performance
- politics and policy
- visual arts

**Program Requirements:**

The minor requires 18 credit hours of TCL coursework, of which at least 12 credit hours must be completed at the upper-division level. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses used toward the minor.

Core Requirements -- 6 credit hours

TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C) or TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C) (3)

TCL 331: Mexican American History to 1900 (SB & H & C) or TCL 332: Mexican American History Since 1900 (SB & H & C) (3)

Electives -- 12 credit hours

TCL Elective (3)

TCL Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in transborder Chicana/o and Latina/o studies (all concentrations)

Other Enrollment Requirements: None

An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Transborder Studies

<https://sts.asu.edu/>

INTDSB 165

[sts.undergrad@asu.edu](mailto:sts.undergrad@asu.edu)

480-965-5091

## Urban Planning Minor (ARPUPMIN)

**Campus:** Tempe, Online

**Description:**

The urban planning minor introduces students to the field of urban, regional and environmental planning. Students in the urban planning minor are exposed to the theories, methods and practices of the profession.

Some of the content area options available to students in the urban planning minor include:

- comprehensive planning
- planning law
- public policy formulation
- site planning
- socioeconomic and environmental analyses
- sustainable planning
- urban design

**Program Requirements:**

A minimum of 18 credit hours are required for the minor, of which at least 12 must be upper-division. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours

PUP 301: Introduction to Urban Planning (L) (3)

Urban Planning Electives -- 6 credit hours

PUP Elective (6)

Upper Division Urban Planning Electives -- 9 credit hours

PUP Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BSP in urban planning

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Geographical Sciences and Urban Planning

<https://geoplan.asu.edu/degree-programs/undergraduate-minors-and-certificates/urban-planning>

COOR 5671

SGSUP.advising@asu.edu

480-965-7533

## Urban and Metropolitan Studies Minor (PPURBMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor in urban and metropolitan studies offers students interested in the urban environment the opportunity to explore the wide variety of issues that influence the quality of life in urban communities. Students are encouraged to learn about cities as historical, social, cultural, economic and political phenomena in order to gain a strong understanding of the complex relationships that contribute to the problems and opportunities of urban living.

The program allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from various disciplines such as planning, business, political science, nonprofit management and leadership, communication, social work, geography and many others might find this program a beneficial supplement to their existing program.

**Program Requirements:**

1. 12 hours of residence credit at ASU
2. 15 hours of course work with a "C" (2.00 on a scale of 4.00) or better in each course
3. nine hours of upper-division course work from the approved list.

Eligibility to pursue the minor requires a major other than urban and metropolitan studies.

Required Courses -- 6 credit hours

URB 300: Urban and Metropolitan Studies (3)

URB 305: Urban Governance (3)

Core Courses (choose two of the following) -- 6 credit hours

PAF 302: Public Service Research Methods (3)  
PAF 410: Building Leadership Skills (SB) (3)  
URB 220: Introduction to Urban America (3)  
URB 240: Urban Policy (C) (3)  
URB 302: Urban Theory (3)

Urban Elective (choose one course from the following subjects) -- 3 credit hours

ASB OR COM OR CRJ OR GCU OR GPH OR HST OR MGT OR NLM OR PAF OR POS OR PRM OR SBS OR SOC OR SOS  
OR SWU OR TDM OR TWC OR URB OR WST Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA and BS in urban and metropolitan studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the Degree Audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/undergradminors>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Wellness Foundations Minor (EEXWMIN)

**Campus:** Downtown Phoenix

**Description:**

The wellness foundations minor is offered to any ASU student interested in learning about optimizing personal health and wellness. Students develop a greater understanding of the behavioral, social, cultural and environmental factors that impact personal wellness behaviors and the better personal lifestyle choices that may enhance individual well-being. This course of study does not prepare students to pursue national certifications for professional practice in fields of study related to health, health coaching, fitness or wellness.

**Program Requirements:**

The minor in wellness foundations consists of 18 credit hours, of which at least 12 credits must be upper division. The minor requires that students complete the following courses with a grade of "C" (2.00 on a scale of 4.00) or higher:

Required Courses -- 15 credit hours

EXW 100: Introduction to Health and Wellness (SB) (3)  
EXW 325: Fitness for Life (3)  
EXW 380: Body Image and Wellness (3)  
HCD 340: Complementary Health Care (3)  
NTR 100: Introductory Nutrition or NTR 241: Human Nutrition (3)

Elective Course (choose one course) -- 3 credit hours

EXW 344: Physical Activity in Health and Disease (3)  
EXW 350: Substance Abuse and Addictive Behavior (3)  
EXW 400: Stress Management for Wellness (3)  
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) (3)  
NTR 345: Development of Healthy Cuisines (3)

NTR 348: Cultural Aspects of Food (SB & C & G) (3)

NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in exercise and wellness; BS in health sciences; BS in the science of health care delivery; BS in health sciences (healthy lifestyles coaching)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/wellness-foundations>

HLTHN 401AA

chs@asu.edu

602-496-3300

## Women and Gender Studies Minor (ASWSTMIN)

**Campus:** West

**Description:**

The minor in women and gender studies is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

**Program Requirements:**

The minor in women and gender studies consists of 18 credit hours. A minimum of 12 credit hours must be upper division. A minimum of six credit hours must be taken from courses offered by the School of Humanities, Arts, and Cultural Studies. Courses should be chosen in consultation with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

Courses used for Core Requirements cannot be used to satisfy the Elective Requirement.

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Electives (chosen from the following) -- 12 credit hours

ENG 454: Gender and Literature (L or HU) (3)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)

WST 220: Gender, Media and Culture ((HU or SB) & C) (3)

WST 300: Women and Gender in Contemporary Society (SB & C) (3)

WST 333: Critical Perspectives on Sexuality (SB & C) (3)

WST 341: Latin American Women Writers (3)

WST 370: Chronicling Women's Lives (HU & C) (3)

WST 376: Feminist Theory (H & C) (3)

WST 380: Race, Gender, and Class (SB & C) (3)

WST 385: Psychology of Gender (SB) (3)

WST 390 / REL 390: Women, Gender and Religion (HU & G) (3)

WST 430: Gender on the Borderlands (SB & G) (3)

WST 444: Gender, Health, and Bodies (SB) (3)

WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)



WST 457: Women, Cultures, and Societies (SB & G) (3)  
WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)  
WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)  
WST Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in social and cultural analysis (women and gender studies); BA in women and gender studies; BS in women and gender studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/women-and-gender-studies-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Women and Gender Studies Minor (LAWSTMIN)

**Campus:** Tempe, Online

**Description:**

In the minor program in women and gender studies, students complete a variety of courses that explore how gender and sexuality both impact and are affected by societies as a whole from around the world. The curriculum leads students to explore ideas about gender from an interdisciplinary perspective, to learn about social structures for different genders, and understand how these have been transformed by feminist theory and gender equality. This minor also explores prominent contemporary issues through the lenses of sexuality, race and religion.

Original undergraduate research is encouraged and some course options may involve studying community problems and formulating policy solutions. Students have the option to include a capstone seminar requiring original research or an internship that prepares students for life after college through real-world experience.

**Program Requirements:**

The women and gender studies minor consists of 18 credit hours, of which at least 12 must be upper-division. A minimum grade of "C" (2.00 on a 4.00 scale) is required for all courses in the minor.

Required Course -- 3 credit hours

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Elective Courses (Choose one) -- 3 credit hours

WST 377: History of American Feminist Thought (H & C) (3)

WST 378: Global Feminist Theory (L & G) (3)

WST 380: Race, Gender, and Class (SB & C) (3)

Electives -- 12 credit hours

WST Elective (3)

WST Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this

minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in social and cultural analysis (women and gender studies); BS and BA in women and gender studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/women-gender-studies>)

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Social Transformation

<https://sst.asu.edu/content/women-and-gender-studies-minor>

WILSN 125

SSTadvising@asu.edu

480-965-7682

## Youth Services Leadership Minor (HSYSLMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in youth services leadership is designed to explore the area of youth leadership from the perspective of those who work face-to-face with youth in a variety of settings.

The minor allows students enrolled in a variety of undergraduate programs at ASU to broaden their knowledge of youth services. Students from programs such as education, nursing, social work, criminal justice and others may find this program a beneficial supplement to their existing program.

**Program Requirements:**

The minor requires 15 credit hours, six credit hours of required courses and nine credit hours of elective courses. At least nine credit hours must be upper division.

Required Core Courses -- 6 credit hours

PRM 203: Program Planning (3)

PRM 335: Sports and Recreation for Youth Development (3)

Notes: Offered Spring only

Elective Courses (choose three) -- 9 credit hours

CRJ 204: Juvenile Justice (3)

CRD 302: Inclusive Community Development (SB & C) (3)

CRJ 462: Gangs (3)

NLM 220: Introduction to Nonprofit Organizations (3)

NLM 310: Volunteer Management (3)

NLM 451: Grant Writing (3)

Notes: Offered Spring only

PRM 364: Foundations of Recreation Therapy (SB) (3)

PRM 455: Recreational Therapy with Children, Youth and Families (3)

PRM 486: Special Events Management (3)

1. 15 hours of graded classroom course work (no internship, no independent study)
2. minimum "C" (2.00 on a 4.00 scale) grade required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than tourism development and management
4. should be a junior to take 400-level courses
5. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management; BS in parks and recreation management (therapeutic recreation)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu/>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

# Undergraduate Programs

## Undergraduate Certificates (Program Descriptions and Requirements)

### Actuarial Science Certificate (LAACTCERT)

**Campus:** Tempe

**Description:**

Actuarial science is an area of mathematical and statistical science that requires expertise in specializations of probability and interest theory, coupled with a strong foundation in accounting, finance and economics. This certificate provides students with preparation for professional actuarial credentialing exams offered by the Society of Actuaries and the Casualty Actuarial Society.

**Program Requirements:**

Students must complete a minimum of 15 credit hours from the courses listed below. At least 12 credit hours must be upper-division work. A course grade of "C" (2.00 on a 4.00 scale) or better is required in all upper-division coursework.

At least six elective credit hours must be chosen from courses with the ACT prefix. In order to enroll in ACT courses, a minimum grade of "B" (3.00 on a 4.00 scale) is required for all prerequisite math, statistics and computer programming, or applications coursework.

Required Course -- 3 credit hours

ACT 201: Introduction to Elements and Techniques of Actuarial Science (3)

Electives (Choose four) -- 12 credit hours

A minimum of six credit hours must be ACT courses.

ACT 301: Risk Management and Insurance (SB) (3)

ACT 310: Mathematics of Finance (4)

ACT 370: R and Excel for Actuaries (3)

ACT 415: Probability for Risk Management (3)

ACT 420: Ratemaking and Reserving (3)

ACT 430: Mathematics of Financial Derivatives (3)

ACT 435: Statistics for Risk Modeling (3)

ACT 440: Long-Term Actuarial Mathematics I (3)

ACT 441: Long-Term Actuarial Mathematics II (3)

ACT 450: Actuarial Models and Modeling I (3)

ACT 451: Actuarial Models and Modeling II (3)

STP 425: Stochastic Processes (3)

STP 427: Mathematical Statistics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Although no specific degree is required for admission to the actuarial science certificate, a strong mathematical background is essential (found in majors such as mathematics, statistics, engineering and natural sciences). Students with a major or degree other than those listed will require additional preparation beyond the certificate. Students are required to have a minimum 3.00 cumulative GPA (scale is 4.00 = "A") and grades of "B" or better in courses of multivariate calculus, linear algebra and introductory statistics at ASU or an equivalent institution.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## African and African American Studies Certificate (LAAFRCERT)

**Campus:** Tempe

### **Description:**

The certificate program in African and African American studies examines the culture, arts, history, politics, economics and current status of Africans, African-Americans and the larger African diaspora, especially in the Caribbean, Central America and South America. The goal is to prepare students for lifelong learning, advanced study in a variety of fields, and successful careers and productive public service in an increasingly diverse society.

### **Program Requirements:**

The certificate consists of 15 credit hours, at least 12 of which must be completed at the upper-division level. All courses used toward the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Core Course -- 3 credit hours

AFR 200: Introduction to Africana Studies (SB & G & H) (3)

AFR 210: Introduction to African American Studies (C) (3)

Elective Core Course -- 3 credit hours

AFR 300: Precolonial Africa (SB & G & H) (3)

AFR 301: Race and Racism in Africa/African Diaspora (SB & G) (3)

AFR 370: Family, Ethnic and Cultural Diversity (SB & C) or FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)

AFR 375: Race, Gender and Sport (SB & C) (3)

Three Content Courses (from following list) -- 9 credit hours

AFR 336 / ASB 336: African Art (HU & G) (3)

AFR 340: The Making of Modern Africa (SB & G & H) (3)

AFR 345 / JUS 345: Peoples and Cultures of the Caribbean (SB & G & H) (3)

AFR 350 / APA 350 / CDE 350 / SOC 350 / TCL 360 / JUS 365: Inequality and Diversity in Education (L & C) (3)

AFR 352: Borders, Prisons, and Suburbs (SB & C) or APA 352 / JUS 353: Borders, Prisons and Suburbs (SB & C) (3)

AFR 353 / AMS 353 / ENG 353 / ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

AFR 354 / AMS 354 / ENG 354 / ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)

AFR 363 / HST 333: African American History to 1865 (SB & H & C) (3)

AFR 364 / HST 334: African American History Since 1865 ((HU or SB) & C & H) (3)

AFR 365 / WST 364: Unruly Voices: Black Women and Cultural Narratives (HU & C) (3)

AFR 366 / ASB 366: African Archaeology: Precolonial Urban Culture (SB & H) (3)

AFR 372 / REL 362 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)

AFR 373 / REL 363: Islam and World Affairs (G) (3)

AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)

AFR 459 / ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G) (3)

AFR 466 / ASB 466: Peoples and Cultures of Africa (SB & G) (3)

AFR 470 / WST 471: Women's International Human Rights (3)

AFR 480 / REL 461 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)

Other courses may be used with approval from an academic advisor in the School of Social Transformation

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation

<https://sst.asu.edu/content/african-and-african-american-studies-certificate>

WILSN 125

SSTadvising@asu.edu

## American Indian Nation Governance Certificate (LAAIGVCERT)

**Campus:** Tempe

### **Description:**

The American Indian nation governance certificate develops students' knowledge about and insight into government and governance in Native American communities. The curriculum covers themes ranging from the history, policies and sovereign status of American Indians to the legal relationships between the Native American nations and state governments as well as the U.S. federal government.

Students completing this certificate program will be better prepared to work with Indian nations, federal and state agencies, and nonprofit organizations, regardless of their academic major or final career path.

### **Program Requirements:**

The certificate in American Indian Nation governance requires completion of 15 credit hours (12 of which must be upper-division and nine of which must be taken from the College of Liberal Arts and Sciences). Students complete six credit hours of American Indian studies and six credit hours of political science. An additional three credit hours are selected from the approved list of AIS and POS policy and applied courses, including an optional internship. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher for use in the certificate.

AIS Core Courses (choose two) -- 6 credit hours

AIS 180: Introduction to American Indian Studies (C) (3)

AIS 380: Contemporary Issues of American Indian Nations (C) (3)

AIS 470: Tribal Governance (3)

POS Core Courses (choose two) -- 6 credit hours

POS 310: American National Government (SB) (3)

POS 325: Public Policy Development (SB) (3)

POS 346: Problems of Democracy (HU) (3)

POS 368: Ethics and Human Rights (3)

POS 370: Law and Society (SB) (3)

POS 439: Minority Group Politics in America (SB & C) (3)

AIS or POS Policy and Applied Course (choose one) -- 3 credit hours

AIS 394: Reservation Economic Development (3)

AIS 455: Human Rights and Cultural Resource Laws (3)

AIS 484: Internship (3)

AIS 498: Pro-Seminar (L) (3)

POS 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Liberal Arts & Sciences, The College of

American Indian Studies Program

<https://americanindian.asu.edu/>

DISCOVERY 356

AIS@asu.edu

480-965-3634

## Analysis and Management of Insurance Risk Certificate (LAAMIRCERT)

**Campus:** Tempe

### **Description:**

Risk management is the identification, assessment and prioritization of risks that is followed by coordination and economic application of resources to minimize risk and monitor the probability and impact of unfortunate events, or to maximize the realization of opportunity. The objective of risk management is to assure uncertainty does not deflect the endeavor from the business goals. The certificate program helps students become well-rounded business assessors of risk, ready to utilize their knowledge of mathematics, statistics, economics, marketing, business, finance and accounting in an insurance career.

**Program Requirements:**

The certificate requires 15 credit hours from the approved course list with the only required course being ACT 301.

Required -- 3 credit hours

ACT 301: Risk Management and Insurance (SB) (3)

Electives (choose four) -- 12 credit hours

ACT 201: Introduction to Elements and Techniques of Actuarial Science (3)

ACT 302: Fundamentals of Enterprise Risk Management (3)

ACT 320: Property and Casualty Insurance (3)

ACT 330: Life and Health Insurance (3)

ACT 370: R and Excel for Actuaries (3)

ACT 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students must hold a minimum GPA of 2.50 to pursue this certificate and have completed the following prerequisite courses at ASU or an equivalent institution with a grade of "C" or better (scale is 4.00 = "A"):

CIS 105 Computer Applications and Information Technology (3) or equivalent

ECN 211 Macroeconomic Principles (3) or ECN 212 Microeconomic Principles (3)

MAT 210 Brief Calculus (3)

STP 226 Elements of Statistics (3) or ECN 221 Business Statistics (3)

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student. Applicants should contact the unit for additional information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences

<https://math.asu.edu>

WXLR 211

[math@asu.edu](mailto:math@asu.edu)

480-965-7195

## Applied Business Data Analytics Certificate (BABDACERT)

**Campus:** Tempe, Online

**Description:**

The certificate in applied business data analytics is for students who are interested in practical uses for computer-based tool suites that are capable of managing vast amounts of data. This provides sophisticated but easy-to-use means to manage and analyze such data and to leverage the tools for making good decisions about projects, process designs and fundamental decision-making tasks. Exposure to predictive analytics and modeling, big data techniques, and visualization provides significant insight into the advanced uses of the computer-based tools. Critical thinking is an important skill and mindset that is required to establish and evaluate evidence-based benchmarks for making good decisions leading to high-quality outcomes.

**Program Requirements:**

The certificate in applied business data analytics requires 18 credit hours to complete and is available to all majors. At least 12 credit hours must be upper-division.

To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or higher.

Required Courses -- 18 credit hours

CIS 105: Computer Applications and Information Technology (CS) (3)

CIS 308: Advanced Excel in Business (3)

CIS 309: Business Process Management (3)

CIS 310: Business Data Visualization (3)

CIS 405: Business Intelligence (3)

Any Statistics Course (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The applied business data analytics certificate is open to all ASU students. The certificate application is accessed and submitted through Advising SOS at <https://wpcarey.asu.edu/SOS> (<https://wpcarey.asu.edu/SOS>).

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/undergraduate-certificate-applied-business-data-analytics/>)

#### **Contact Information:**

Business, W. P. Carey School of

Department of Information Systems

<https://wpcarey.asu.edu/undergraduate-degrees/business-analytics-certificate>

BA 301P

wpcareyis@asu.edu

480-965-3252

## **Applied Cybersecurity Certificate (ASACSCERT)**

**Campus:** Polytechnic, Tempe, West

#### **Description:**

The applied cybersecurity certificate program is designed to build competencies in security operations, risk assessment, network security, and governmental and regulatory compliance in an interdisciplinary learning setting.

Building upon core skills that students bring with them from their majors, students practice dealing with cyber threats and resolving issues from multiple perspectives. This certificate is an ideal supplement for students interested in careers in cybersecurity in both the private sector and within government agencies (FBI, Homeland Security, NSA, DOD) in positions such as:

- chief information security officer
- cyber risk analyst
- information security engineer
- network security engineer
- security operations center analyst

The program is offered through a collaboration between the New College of Interdisciplinary Arts and Science, the Ira A. Fulton Schools of Engineering and the W. P. Carey School of Business.



**Program Requirements:**

The certificate in applied cybersecurity consists of a minimum of 15 upper-division credit hours earned at ASU. Six credit hours must be unique and not count towards a student's undergraduate degree. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better. Students must select courses from more than one prefix to fulfill certificate requirements.

Students must take CSE 365 or IFT 302 and one course each from groups A, B or C, and D; then one course from Group E for a total of five courses or 15 credit hours. It is recommended that the Group A course be taken concurrently with CSE 365 or IFT 302. The Group B or C and D courses must be taken after successful completion of CSE 365 or IFT 302. Group A through D courses must be completed successfully before enrolling in the Group E required course.

Required Courses -- 3 credit hours

CSE 365: Information Assurance or IFT 302: Foundations of Information and Computer System Security (3)

Electives -- 9 credit hours

Group A - Security Operations and Risk Management -- 3 credit hours

ACO 461: Security Operations (3)

CIS 401: Managing Cyber Risks in Enterprise Business Processes (3)

IFT 481: Information System Security (3)

Group B - Systems and Network Security OR Group C - Forensics/Cyber Crime -- 3 credit hours

Group B - Systems and Network Security:

ACO 431: Network Security (3)

CSE 466: Computer Systems Security (3)

CSE 468: Computer Network Security (3)

IFT 458: Middleware Programming and Database Security (3)

IFT 475: Security Analysis (3)

Group C - Forensics/Cyber Crime:

ACO 350: Systems Programming (CS) (3)

CSE 469: Computer and Network Forensics (3)

IFT 482: Network Forensics (3)

Group D - Policy -- 3 credit hours

ACO 351: Governance, Risk and Compliance (3)

CIS 402: Privacy, Ethics and Compliance Issues (3)

CSE 467: Data and Information Security (3)

IFT 483: Developing Security Policy (3)

Group E - Project -- 3 credit hours

Students may take more than one semester of Applied Project but only three credit hours will count towards the certificate.

ACO 484: Internship or ACO 499: Individualized Instruction (3)

CIS 440: Capstone in Information Systems (L) (3)

CSE 485: Computer Science Capstone Project I (L) or CSE 486: Computer Science Capstone Project II (L) (3)

IFT 401: Information Technology Capstone Project I or IFT 402: Information Technology Capstone Project II (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

To enroll in this certificate program, students should have completed at least 45 credit hours in their declared majors and have a cumulative GPA of 2.00 or better.

Students should pay attention to the prerequisites needed for required certificate courses and make sure to complete prerequisite courses prior to enrolling in the certificate program.

CSE 365 Information Assurance has prerequisites of CIS 235, CSE 220 or CSE 240.

Prerequisites for CIS 235: CIS 105, 200 or 220; MAT 210, 211, 270 or 271

Prerequisites for CSE 220: CSE 205

Prerequisites for CSE 240: ACO 102 or CSE 205 or a GIS major with GIS 222

IFT 302 Foundations of Information and Computer System Security has prerequisites of IFT 259, and HSE 230, PSY 230 or STP 226.

Prerequisites for HSE 230: MAT 117 or higher, and HSE 101 or PSY 101

Prerequisites for PSY 230: PSY 101 and MAT 119 or higher

Prerequisites for STP 226: MAT 117 or higher

Prerequisites for IFT 259: IFT 201

Prerequisites for IFT 201: IFT 101, as well as pre- or co-requisites of MAT 243, and IFT 102 or SER 200

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/applied-cybersecurity-certificate>  
FAB N100  
MNSadvising@asu.edu  
602-543-3000

## Applied Social Sciences Certificate (ASAPSSCERT)

**Campus:** West

**Description:**

The certificate program in applied social sciences prepares students to apply social science tools to real-world problems. Students collaborate to develop case studies, engage in fieldwork, and learn both how to apply expert knowledge and how to communicate evidence. Working with stakeholders, students identify and solve problems, reform managerial structures and organizational systems, and drive social change.

The certificate program is recommended for students with academic or career interests in human resources, administration, journalism, social work, business, community and civic work, as well as politics, organizing and advocacy, public policy, education and sustainability.

**Program Requirements:**

The certificate in applied social sciences requires a minimum of 15 credit hours (at least 12 must be upper division). Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline.

Twelve credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and a New College major.

The certificate requires six core credit hours and nine credit hours of electives. Electives are not limited to the certificate elective list; students should see their academic advisor prior to enrollment. A maximum of three credit hours of individualized instruction or internship may be applied toward the certificate.

Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

Required Core Courses -- 6 credit hours

POS 350: Comparative Politics (SB & G) or SOC 331: Environmental Sociology (SB & G) (3)

SBS 304: Social Statistics I (CS) or SBS 404: Social Statistics II: Multivariate Analysis (CS) (3)

Elective Courses (minimum 6 upper-division) -- 9 credit hours

Students will select nine credit hours from courses where an applied project is assigned within a specific context. Selected courses must come from at least two of the following prefixes: ASB, JHR, POS, SBS or SOC.

ASB 339 / SBS 339 / POS 339 / SOC 339: Grassroots Social Movements (SB) (3)

ASB 340 / SOC 328: Migration and Culture (SB & G) (3)

ASB 394: Special Topics or JHR 394: Special Topics or POS 394 / SBS 394 / SOC 394: Special Topics (3)

ASB 442 / SBS 460: Global Cities (SB & G) (3)

ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)

ASB 494 / JHR 494 / POS 494 / SBS 494: Special Topics (3)  
ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)  
GCU 373: Introduction to Geographic Information Science (SG) (4)  
JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)  
POS 150: Comparative Government (SB & G) (3)  
POS 350: Comparative Politics (SB & G) (3)  
SOC 241: Modern Social Problems (SB) (3)  
SOC 331: Environmental Sociology (SB & G) (3)  
SOC 371: Inequality and Sustainability (3)  
SOS 111: Sustainable Cities ((HU or SB) & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/applied-social-sciences>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## **Arabic Studies Certificate (LAARBCERT)**

**Campus:** Tempe

#### **Description:**

The certificate in Arabic studies provides students with skills that will enable them to communicate effectively in Arabic in the four areas of language acquisition: listening, reading, speaking and writing.

Simultaneously, students gain broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world. The program provides critically needed educational and cultural diversity that will enrich students' undergraduate experiences and prepare them for life as employees and employers.

Graduate students in the liberal arts, social sciences and humanities seeking academic or professional careers in any of the three disciplines also will benefit from this certificate because of the added advantage the program gives them in the job market, given the demonstrably high need for graduates with knowledge of the Arabic language.

#### **Program Requirements:**

The Arabic studies certificate requires students to complete 18 credit hours of upper-division coursework. A grade of "C" (2.00 on a 4.00 scale) or better is required for each course. Students must also demonstrate proficiency in Arabic language by completing ARB 202 or above with a grade of "C" (2.00 on a 4.00 scale) or better, or by taking a language proficiency test.

Arabic Core (Choose three) -- 9 credit hours

ARB 311: Advanced Arabic Skills I or ARB 411: Advanced Arabic Skills II (3)  
ARB 321: Arabic Conversation I or ARB 421: Arabic Conversation II (3)  
ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)  
ARB 335: Arabic Culture and Islam (G) (3)  
ARB 341: Quran Text and Women (HU & H) or ARB 351: Classical Arabic Literature (3)  
ARB 352: Modern Arabic Literature in Translation or ARB 422: Advanced Arabic Media (3)

Elective Courses (Choose three) -- 9 credit hours

Some courses can be used either as a core course or as an elective, but no course can be counted more than once toward certificate requirements.

ARB 321: Arabic Conversation I (3)  
ARB 335: Arabic Culture and Islam (G) (3)

ARB 336: Introduction to the Qur'an (3)  
ARB 337: Hadith and Prophetic Tradition (3)  
ARB 340: Arabic Translation (3)  
ARB 341: Quran Text and Women (HU & H) (3)  
ARB 351: Classical Arabic Literature (3)  
ARB 352: Modern Arabic Literature in Translation (3)  
ARB 360: Islamic Philosophical Literature (3)  
ARB 421: Arabic Conversation II (3)  
GCU 328: Geography of Middle East and North Africa (SB & G) (3)  
HST 307: Studies in African History (H) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
REL 365: Islamic Civilization (HU & H) (3)  
REL 366: Islam in the Modern World (HU & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Any student accepted into an appropriate degree program at ASU can declare the certificate in Arabic studies. Students should contact an academic advisor in the School of International Letters and Cultures for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://thecollege.asu.edu/content/arabic-studies-0>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## **Arts Entrepreneurship Certificate (HITHAECERT)**

**Campus:** Tempe

#### **Description:**

Arts entrepreneurship is an emerging transdisciplinary field that harnesses the skills and mindset of the entrepreneur to empower artists to create work that is meaningful, sustainable and oriented to community and market need. Students across art, dance, design, film, music and theatre disciplines will benefit from the business, marketing and organizational skills offered by certificate courses as applied specifically to and within the arts.

#### **Program Requirements:**

The undergraduate certificate in arts entrepreneurship consists of 15 credits including nine credit hours of required courses. Of the remaining credits, three credits must be taken from each category of electives shown below: arts business; and arts policy, community, or socially engaged arts. A grade of "C" or better is required in all courses.

Core -- 6 credit hours

HDA 252: Foundations Arts and Design Entrepreneurship (3)  
HDA 420: Design and the Arts Business Administration (3)

Arts Business Course (select one) -- 3 credit hours

ARA 396: Professional Practices for Design and the Arts (3)  
ARA 460: Gallery Exhibitions (3)  
DSC 394: Design Entrepreneurship & Society (3)  
FMP 494: Business of Media Industries (3)  
MUP 438: The Enterprising Musician (3)  
THP 351: Arts Management (3)  
THP 450: Theatre Organization and Management (3)

Arts Policy, Community or Social Engaged Arts Course (select one) -- 3 credit hours

ARS 441: Public Art (3)

ART 442: Art and Community (3)

HDA 310: Socially Engaged Practice (3)

MUE 598: Music and Community Engagement (3)

Notes: Undergraduate students interested in MUE 598 should contact the instructor to request an override to enroll in this graduate level course.

MUP 439: Music Product Creation and Development (3)

THP 482: Theatre for Social Change (C) (3)

URB 405: Citizen Engagement and Community Building (3)

Capstone -- 3 credit hours

THP 452: Arts Entrepreneurship Seminar (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

The certificate in arts entrepreneurship, meant to extend the study of an individual arts discipline, is available only to current students with a major within the Herberger Institute for Design and the Arts. Students may be admitted to the certificate program upon completion of HDA 252 Foundations Arts and Design Entrepreneurship with a grade of "B" or better (scale is 4.00 = "A") and an overall GPA of 3.00 or higher. Students must submit an application to the Herberger Institute Office of Student Success. Herberger Institute students meeting the course and GPA requirements may enroll in the certificate, and a Herberger Institute advisor will add the certificate plan code to the student's record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<https://filmdancetheatre.asu.edu/>

CDS 101D

fdt@asu.edu

480-965-4495

## **Arts and Humanities in Games Certificate (ASAHGCERT)**

**Campus:** West

### **Description:**

The certificate program in arts and humanities in games trains students who can design, develop, create and analyze games from holistic and interdisciplinary perspectives, and who can understand the utilization, consumption and real world impact of games in a diverse culture and society. The goal is to make students' minds more supple, critical in thinking, and expansive through an interdisciplinary approach that encompasses the design and development of toys and games as well as the qualitative study of them. The interdisciplinary approach helps students understand the impact of play on human mental, emotional and social growth. This program, through foregrounding arts and humanities in the study of games, provides a complementary approach to the technically based study of games offered by the ASU Ira A. Fulton Schools of Engineering.

### **Program Requirements:**

The certificate in arts and humanities in games consists of 18 credit hours; a minimum of 12 credit hours must be upper-division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. All courses used to fulfill the requirements for the certificate must be passed with a "C" (2.00) or better.

The certificate consists of six credit hours of required foundational courses, and nine credit hours from one of the following gaming emphasis areas: Toys and Games as Works of Art; Toy and Game Culture; Game Writing; or Game Sound (Game Design Practitioner); and three credit hours of playworks portfolio.

Required Foundational Courses -- 6 credit hours

COM 124: Media and Culture (C) or IAP 222: Games and Ethics (3)

IAP 220: Introduction to Game Studies (3)

Gaming Emphasis Area -- 9 credit hours

Students must take two required courses and one elective from their selected emphasis area below. (9)

#### Toys and Games as Works of Art Emphasis Area

Required:

IAP 362: Games and Narratology (3)

IAP 462: Games and Play (3)

Electives:

IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) (3)

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) (3)

IAP 352: Seeing and Drawing (3)

IAP 354: Visual Representation (3)

IAP 361: Digital Editing and Media Literacy (CS) (3)

#### Toy and Game Culture Emphasis Area

Required:

COM 457: New Media (3)

IAP 462: Games and Play (3)

Electives:

COM 312: Communication, Conflict, and Negotiation (3)

COM 324: Rhetoric and Media Criticism (3)

COM 416: Gender and Race in the Media (3)

COM 429: Semiotics and Visual Communication (3)

IAP 464: Media and Diversity (HU & G) (3)

IAP 471: Language, Culture, and Performance (L or HU) (3)

#### Game Writing Emphasis Area

Required:

ENG 361: Scriptwriting (3)

IAP 362: Games and Narratology (3)

Electives:

ENG 379: Travel Writing (L) (3)

ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)

IAP 462: Games and Play (3)

#### Game Sound (Game Design Practitioner) Emphasis Area

Required:

IAP 362: Games and Narratology (3)

IAP 421: Composition: Process, Technique, and Style II (3)

Electives:

IAP 322: Multitrack Digital Recording (3)

IAP 325: Sound Performance: Exploring Alternative Performance Groups (3)

IAP 462: Games and Play (3)

IAP 469: Advanced Audio Production (3)

#### Portfolio -- 3 credit hours

IAP 496: Playworks Portfolio (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/arts-and-humanities-in-games>

FAB N100

HARCSadvising@asu.edu

602-543-3000

## Arts in Education Certificate (HIAEDCERT)

**Campus:** Tempe

### **Description:**

The certificate in arts in education is specifically designed for prospective preK-8 educators who wish to enhance their teaching practices by developing the necessary skills to use the arts throughout the curriculum. By weaving the principles and practices of the arts and other disciplinary curricula together, teachers can create rich and engaging environments that enhance student learning by capitalizing on the critical thinking, communication, collaboration and creativity inherent in the arts and arts experiences.

### **Program Requirements:**

The certificate in arts in education requires 18 credit hours (12 upper-division). All upper-division courses must be completed with a minimum grade of "C" (2.00).

Arts Education Lower-Division Core -- 6 credit hours

ARA 195: Art in My World (HU) (3)

ART 110: Drawing as Seeing and Thinking (HU) (3)

FMP 222: Education in Film (L) (3)

MUS 210: The Arts Around Us (HU) (3)

MUS 211: Dance, Music and Meaning (HU) (3)

MUS 212: Music, Meaning and Imagination (HU) (3)

MUS 213: Critical Thinking in the Arts (HU) (3)

MUS 214: Art, Music and Learning (HU) (3)

THP 212: Puppetry with Children (3)

Arts Education Upper-Division Core -- 9 credit hours

ARA 311: Art Appreciation and Human Development (HU) (3)

ARE 301: Studio Art and Human Development (3)

ARE 494: Special Topics (3)

DCE 350: Dance in the Classroom: Learning Through Movement (HU) (3)

MUE 310: Music in Early Childhood (HU) (3)

MUE 311: Music in the Lives of Children and Youth (HU) (3)

THP 311: Creative Drama with Youth (L) (3)

Arts Elective Course -- 3 credit hours

Some courses are fewer than three hours and may be repeated for credit.

ARS 300: Introduction to Art (HU) (3)

DCE 300: Moving Histories (HU) (3)

DCE 301: Meaning in Motion (L or HU) (3)

DCE 303: The Body Condition(ed) (SB) (3)

DCE 402: Ethnography of Dance Practices (L) (3)

DCE 404: Dance and Ethics (3)

DCE 405: Rhetorical Moves (L or HU) (3)

MUP 442: Instrumental Ensembles (1-2)

MUP 443: Choral Ensembles (1-2)

MUP 444: Concert Band (1)

MUP 450: Choral Union (1-2)

MUP 455: Arizona Statesmen (1)

MUP 457: Women's Chorus (1-2)

MUP 459: Barrett Choir (1-2)

MUP 489: Ethnomusicology Ensembles (1)

MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)

MUS 347: Jazz in America (HU & C) (3)

MUS 354: Jazz Giants (HU) (3)

MUS 355: American Music (HU & C & H) (3)

MUS 356: Broadway and the American Musical (HU) (3)

MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)

MUS 494: Special Topics (1-4)

THE 322: Theatre History and Culture (HU & H) (3)

THP 411: Methods of Teaching Drama (3)

THP 482: Theatre for Social Change (C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu>  
CDS 101  
HerbergerAdmissions@asu.edu  
480-965-4495

## Asian Pacific American Studies Certificate (LAAPACERT)

**Campus:** Tempe

**Description:**

Asian Pacific American studies addresses the historical and contemporary experiences of Asian Americans and Pacific Islanders, what they have contributed to our society, and the complexity of racial formations in the U.S. The certificate program encourages students to learn about local Asian American and Pacific Islander communities and organizations through research, courses and community internships.

**Program Requirements:**

The certificate consists of 18 credit hours, of which at least 12 must be completed at the upper-division level. Nine credit hours of core coursework is required and the remaining nine credit hours are selected from any of the courses with an APA prefix. At least nine credit hours must be taken in residency at ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Core Courses -- 9 credit hours

APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C) (3)

APA 360: Asian Pacific American Experience ((HU or SB) & C) (3)

APA 484: Internship (3)

\*One APA 360 course is required for the core. The course may be repeated for credit with these different topics: Chinese American; Filipino American; Japanese American; Multiracial Experiences; Pacific Islander.

Electives -- 9 credit hours

APA Elective (3)

APA Upper Division Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/content/asian-pacific-american-studies>  
WILSN 125  
SSTadvising@asu.edu  
480-965-7682

## Asian Studies Certificate (LAASNCERT)



**Campus:** Tempe

**Description:**

The Asian studies certificate supplements a bachelor's degree and demonstrates knowledge of an Asian language as well as general knowledge of Asian history, art, culture and society. The certificate provides students with official transcript recognition of specialization in Asian studies.

**Program Requirements:**

The certificate requires 24 credit hours of approved coursework, in addition to proficiency in an Asian language. 15 credit hours of upper-division area studies coursework must be chosen from at least four different disciplines, e.g., language and cultures, history, religious studies, anthropology, geography, political science, global studies, art and music. Courses from other disciplines may be used by approval. The remaining nine credit hours may be chosen in any combination.

At least six upper-division hours in the certificate must be in courses offered by the College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course that is used to fulfill the certificate requirements.

**Language Requirement**

Students must demonstrate proficiency in an Asian language by completing the 201 and 202 course sequence, one year of study abroad at the intermediate level or satisfactory performance on a proficiency exam. Asian languages include Chinese, Hindi, Indonesian, Japanese, Korean, Thai, Vietnamese.

**Disciplinary Electives -- 24 credit hours**

**Upper Division Disciplinary Electives (15)**

At least four different disciplines must be represented within the upper-division disciplinary electives (e.g., history, religious studies, global studies, anthropology). Cross-listed courses will only apply to the certificate under one discipline; students may choose the discipline that is most advantageous.

**Disciplinary Electives (9)**

Students select the remaining disciplinary electives from the lists below in any combination.

**Anthropology**

ASB 325: Peoples of Southeast Asia (G) (3)

**Art History**

ARS 201: Art of Asia (HU & H & G) (3)

ARS 444: Films of India (3)

ARS 472: Art of China (HU) (3)

ARS 473: Art of Japan (HU) (3)

ARS 475: Chinese Painting (HU) (3)

**Cultural Geography**

GCU 240: Introduction to Southeast Asia ((HU or SB) & G) (3)

GCU 326: Geography of Asia (SB & G) (3)

GCU 432: Geography of China (SB & G) (3)

GCU 433: Geography of Southeast Asia (3)

**Dance**

DCE 114: Dances of India I (2)

**Film and Media Studies**

FMS 426: Films of India (3)

**Global Studies**

SGS 240: Introduction to Southeast Asia ((HU or SB) & G) (3)

SGS 245: Introduction to India and South Asia (HU & H & G) (3)

SGS 381: Modern Southeast Asia (SB & G & H) (3)

**History**

HST 106: Asian Civilizations ((HU or SB) & G & H) (3)

HST 108: Introduction to Japan (SB & G & H) (3)

HST 111: Introduction to Asia (HU & H & G) (3)

HST 240: Introduction to Southeast Asia ((HU or SB) & G) (3)

HST 245: Introduction to India and South Asia (HU & H & G) (3)

HST 302: Envisioning Peace ((HU or SB) & G & H) (3)

HST 302: Women, War and Peace ((HU or SB) & G & H) (3)

HST 303: Studies in Asian History (SB & H) (3)  
HST 383: China (SB & H) (3)  
HST 384: Modern China: 1700 to the Present (SB & G & H) (3)  
HST 385: History of Chinese Medicine (HU & H & G) (3)  
HST 386: Interpreting China's Classics ((L or HU) & H) (3)  
HST 387: Japan ((L or SB) & H) (3)  
HST 388: Japan (SB & G & H) (3)  
HST 389: Japan Society and Values/Premod (3)  
HST 391: Modern Southeast Asia (SB & G & H) (3)  
HST 392: Modern India (3)  
HST 451: Chinese Cultural History I ((HU or SB) & H) (3)  
HST 452: Chinese Cultural History II (SB & G & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)  
HST 459: Gandhi and the Politics of Nonviolence (3)

#### Language and Cultures

CHI 120 / SLC 120: Introduction to Chinese Culture (L or HU) (3)  
CHI 205: Chinese Calligraphy (1)  
CHI 307: Introduction to Literary Chinese I (HU) (3)  
CHI 308: Introduction to Literary Chinese II (HU) (3)  
CHI 321: Chinese Literature (HU) (3)  
CHI 322: Chinese Literature (HU & G) (3)  
CHI 333 / SLC 333: China (SB & H) (3)  
CHI 336 / SLC 336: Interpreting China's Classics ((L or HU) & H) (3)  
CHI 338: The Daoist Bible: The Daode jing (HU & L) (3)  
CHI 343: Daoism ((L or HU) & G & H) (3)  
CHI 345: Chinese Film and Civilization (3)  
CHI 348: Pathways into Chinese Culture (3)  
CHI 451 / SLC 451: Chinese Cultural History I ((HU or SB) & H) (3)  
CHI 452 / SLC 452: Chinese Cultural History II (SB & G & H) (3)  
CHI 470: Modern Chinese Literature and Culture (3)  
JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G) (3)  
JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G) (3)  
JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G) (3)  
JPN 401: Reading Modern Japanese Texts I ((L or HU) & G) (3)  
JPN 414: Introduction to Classical Japanese (3)  
JPN 415: Advanced Classical Japanese (3)  
JPN 485: Literary Translation: Theory and Practice (3)  
KOR 321 / SLC 321: Modern Korean Literature (HU) (3)  
KOR 347: Korean Film and Literature (HU) (3)  
KOR 350: Women of Korea (H) (3)  
KOR 354: Religions of Korea (HU) (3)  
KOR 375 / SLC 375: Intercultural Communication in Korea (3)  
KOR 415 / SLC 415: Korean Popular Culture (3)  
KOR 457 / SLC 457: Premodern Korea in a Global Context (3)  
SLC 245: Introduction to India and South Asia (HU & H & G) (3)  
SLC 334: Modern China: 1700 to the Present (SB & G & H) (3)  
VTN 321: Advanced Vietnamese and Literature I (HU & G) (3)  
VTN 322: Advanced Vietnamese and Literature II (HU & G) (3)

#### Music

MUP 489: Gamelan (1)

#### Political Science

POS 240: Introduction to Southeast Asia ((HU or SB) & G) (3)  
POS 245: Introduction to India and South Asia (HU & H & G) (3)  
POS 357: South Asia Politics (SB & G) (3)  
POS 358: Southeast Asia (SB & G) (3)  
POS 452: China (SB & G) (3)  
POS 468: Comparative Asian Foreign Policies (SB & G) (3)

#### Religious Studies

REL 111: Introduction to Asia (HU & H & G) (3)  
REL 240: Introduction to Southeast Asia ((HU or SB) & G) (3)

REL 245: Introduction to India and South Asia (HU & H & G) (3)  
REL 338: The Daoist Bible: Daode jing (HU & L) (3)  
REL 343: Daoism ((L or HU) & G & H) (3)  
REL 344: Religion and Values in Japanese Life (HU & G) (3)  
REL 345: Asian Religious Traditions (HU & G) (3)  
REL 346: Chinese Religions (3)  
REL 347: Peace and Conflict in India ((L or HU) & G) (3)  
REL 348: Religion and Culture in Southeast Asia (3)  
REL 350: Hinduism ((L or HU) & G) (3)  
REL 351: Buddhism ((L or HU) & G) (3)  
REL 352: Modern Buddhism (3)  
REL 354: Religions of Korea (HU) (3)  
REL 355: Japanese Cities and Cultures to 1800 (HU) (3)  
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G) (3)  
REL 364: Islam in Eurasia and Central Asia (3)  
REL 365: Islamic Civilization (HU & H) (3)  
REL 366: Islam in the Modern World (HU & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in Asia studies (East Asia); BA in Asia studies (South Asia); BA in Asia studies (Southeast Asia)

Other Admission Requirements: None

There are no specific admission requirements other than a student's desire to learn about Asia. To add the certificate, students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/LAASNCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LAASNCERT/Gedt.pdf>).

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/189>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Atmospheric Sciences Certificate (LAATMSCERT)

**Campus:** Tempe

**Description:**

Students in the atmospheric sciences certificate program gain a focused understanding of weather, climate and the various related methods of measurement and instrumentation. The coursework is designed to give students the knowledge and skillset necessary to approach meteorological-related programs through the lens of their primary field of study.

The curriculum of the certificate program is also associated with the requirements for certification as a meteorologist by the National Weather Service. Through completion of both the atmospheric sciences certificate and the BS program in geography with a concentration in meteorology-climatology, students achieve the skill sets in GIS and meteorological instrumentation required for national-level certification with the National Weather Service.

**Program Requirements:**

The certificate requires 21 credit hours with a "C" (2.00 on a 4.00 scale) or higher. At least 12 of the 21 credit hours must be upper-division courses.

Required Courses -- 18 credit hours

GPH 212: Introduction to Meteorology (SQ) (3)

GPH 213: Climate and Weather (SG) (3)

GPH 412: Physical Meteorology (3)

GPH 413: Meteorological Instruments and Measurement (3)

GPH 414: Climate Change (G) (3)

MAT 275: Modern Differential Equations (MA) (3)

Upper Division Elective Course -- 3 credit hours

GIS 311: Geographic Information Science III (CS) (4)

GIS 341: Cartography and Georepresentation (CS) (3)

GIS 351: Air Photo Interpretation (3)

GPH 314: Global Change (HU & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Applicants must have completed GPH 111 Introduction to Physical Geography, MAT 271 Calculus with Analytic Geometry II, and PHY 121 University Physics I: Mechanics with a grade of "C" or better (scale is 4.00 = "A").

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/atmospheric-sciences>  
COOR 5671  
SGSUP.advising@asu.edu  
480-965-7533

## **Biomedical Research Certificate (ASBMRCERT)**

**Campus:** West

#### **Description:**

The biomedical research certificate combines authentic research experience conducted in laboratories of practicing academic scientists with upper-division coursework, including laboratory courses, that allow for specialization in given subject areas. The program is intended to serve students seeking competency in addressing scientific questions in the laboratory and prepares them to be highly competitive for careers in the research sector or to pursue graduate and professional schools, such as medical school.

The program is offered by ASU's New College of Interdisciplinary Arts and Sciences.

#### **Program Requirements:**

The certificate in biomedical research requires a minimum of 15 credit hours (at least 12 must be upper-division). Twelve credit hours must be taken at ASU. This certificate requires a minimum 3.00 cumulative GPA in ASU coursework and upper division standing or graduate student status. Nine credit hours must be counted toward the certificate alone and may not be shared with a student's major requirements. Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet certificate requirements.

Required Course -- 3 credit hours

STP 280: Probability and Statistics for Researchers (CS) (3)

Elective Courses -- 8 credit hours

BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory (4)

BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory (4)

BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory (4)

BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory (4)

MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory (4)

Other Certificate Requirements (choose one option below) -- 4 credit hours

Option A -- 4 credit hours

If choosing Option A, complete three credit hours of Research Fundamentals for the Natural Sciences (any subject area) and one credit hour of Individualized Instruction or Supervised Research (any subject area).

ENV 388: Research Fundamentals for the Natural Sciences (L) AND ENV 499: Individualized Instruction (4)

FOR 388: Research Fundamentals for the Natural Sciences (L) AND FOR 499: Individualized Instruction (4)

LSC 388: Research Fundamentals for the Natural Sciences (L) AND LSC 499: Individualized Instruction (4)

PLB 388: Research Fundamentals for the Natural Sciences (L) AND PLB 499: Individualized Instruction (4)

PTX 388: Research Fundamentals for the Natural Sciences (L) AND PTX 499: Individualized Instruction (4)

Option B -- 4 credit hours

If choosing Option B, take two credit hours of Individualized Instruction or Supervised Research (any subject area) in each of two consecutive semesters.

ACO 399: Supervised Research OR ACO 499: Individualized Instruction (4)

ENV 499: Individualized Instruction (4)

FOR 499: Individualized Instruction (4)

LSC 499: Individualized Instruction (4)

MAT 499: Individualized Instruction (4)

PLB 499: Individualized Instruction (4)

PTX 499: Individualized Instruction (4)

STP 499: Individualized Instruction (4)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

This certificate requires a 3.00 cumulative GPA in ASU coursework and upper-division standing or graduate student status.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biomedical-research>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## **Biomimicry Certificate (SUBMYCERT)**

**Campus:** Tempe

#### **Description:**

The undergraduate biomimicry certificate is an 18-credit hour interdisciplinary opportunity for students from a variety of backgrounds and any major. The biomimicry undergraduate certificate is designed to address the growing interest in biomimicry knowledge and training, and students who complete the certificate will be enabled to integrate biomimicry principles and tools into their prospective career. The biomimicry certificate consists of four core classes, one elective course within the student's discipline, and a practicum capstone course offered through either the student's discipline or BMY 430 Biomimicry Practicum.

#### **Program Requirements:**

Students must earn a grade of "B" or better in all biomimicry certificate courses.

Core Courses -- 12 credit hours

BMY 230 / BIO 230: How Nature Works (3)

BMY 302: Principles of Life (3)

BMY 304: The Practice of Biomimicry (3)

SOS 110: Sustainable World (SB) (3)

Elective -- 3 credit hours

Upper Division Elective course that is biomimicry-related and ideally makes a connection between the student's major and the certificate (3)

Capstone -- 3 credit hours

BMV 430: Biomimicry Practicum (3)

Notes: Students may take a biomimicry-focused capstone in their corresponding major upon approval from the School of Sustainability and The Biomimicry Center.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students must have a 3.00 GPA in order to add the undergraduate certificate in biomimicry.

#### **Contact Information:**

Sustainability, School of  
School of Sustainability  
<http://biomimicry.asu.edu>  
CDS 126  
biomimicry@asu.edu  
480-965-8685

## **Brazilian Studies Certificate (LABZSCERT)**

**Campus:** Tempe

#### **Description:**

The certificate in Brazilian studies encourages students to create a plan of study focusing on current sociocultural influences that will allow them to compete more successfully in the global job market. Students pursue coursework in important areas, including complementary courses in specific issues in Brazilian culture, the examination of major themes in Brazilian popular and urban culture with particular emphasis on Afro-Brazilian society, a grounding in the major texts of Brazilian literature, and proficiency in the Portuguese language at the intermediate level.

#### **Program Requirements:**

The certificate in Brazilian studies requires 18 credit hours. A "C" (2.00 on a 4.00 scale) or better is required in all upper-division coursework. At least 12 of the 18 required credit hours must be upper-division course work.

Required Courses -- 6 credit hours

POR 313: Portuguese Composition and Conversation (G) (3)

POR 314: Portuguese Composition and Conversation (G) (3)

Content Courses -- 12 credit hours

GCU 323: Geography of Latin America (SB & G) (3)

GCU 485 / PUP 485: Brazil: Language, Culture & Place (G) (3)

POR Upper Division Elective (3)

\*Other courses may be used with approval from the faculty coordinator and academic advisor in the School of International Letters and Cultures.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a

nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Child Life Certificate (LACHLFCERT)

**Campus:** Downtown Phoenix, Tempe

**Description:**

Child life specialists are experts in child development who promote effective coping skills among children facing challenges related to health care and hospitalization. This transdisciplinary program offered through the School of Community Resources and Development and the T. Denny Sanford School of Social and Family Dynamics is designed to assist students to prepare for the national qualifying child life exam.

A portion of the national certification exam eligibility requirements, as outlined by the Child Life Council, are met by obtaining this certificate.

**Program Requirements:**

The program requires 21 credit hours consisting of 18 hours of graded classroom coursework plus a three credit hour practicum. All courses must be completed with a grade of "B" (3.00 on a 4.00 scale) or better.

Required Courses -- 21 credit hours

- CDE 337: Early Childhood Intervention (3)
- CDE 450: Child Dysfunction in the Family (3)
- PRM 364: Foundations of Recreation Therapy (SB) (3)
- PRM 384: Recreational Therapy Practicum (3)
- PRM 406: Program Design and Administration in Recreation Therapy (3)
- PRM 455: Recreational Therapy with Children, Youth and Families (3)
- PRM 460: Assessment & Documentation in Recreation Therapy (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students wishing to pursue the child life certificate must complete two prerequisites before applying for the program:

- CDE 232 Human Development with a grade of "B" (scale is 4.00 = "A") or higher
- CDE 338 Child Development Practicum (or comparable experience working with children, as determined by the director of the child life certificate)

For additional information and application, students should consult with an academic advisor in either the School of Community Resources and Development or the Sanford School.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu>  
SS 144  
email@thesanfordschool.org  
480-965-6978

## Child Life Certificate (LACHLFCERT)

**Campus:** Downtown Phoenix, Tempe

### **Description:**

Child life specialists are experts in child development who promote effective coping skills among children facing challenges related to health care and hospitalization. This transdisciplinary program offered through the School of Community Resources and Development and the T. Denny Sanford School of Social and Family Dynamics is designed to assist students to prepare for the national qualifying child life exam.

A portion of the national certification exam eligibility requirements, as outlined by the Child Life Council, are met by obtaining this certificate.

### **Program Requirements:**

The program requires 21 credit hours consisting of 18 hours of graded classroom coursework plus a three credit hour practicum. All courses must be completed with a grade of "B" (3.00 on a 4.00 scale) or better.

Required Courses -- 21 credit hours

CDE 337: Early Childhood Intervention (3)

CDE 450: Child Dysfunction in the Family (3)

PRM 364: Foundations of Recreation Therapy (SB) (3)

PRM 384: Recreational Therapy Practicum (3)

PRM 406: Program Design and Administration in Recreation Therapy (3)

PRM 455: Recreational Therapy with Children, Youth and Families (3)

PRM 460: Assessment & Documentation in Recreation Therapy (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

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- CDE 232 Human Development with a grade of "B" (scale is 4.00 = "A") or higher
- CDE 338 Child Development Practicum (or comparable experience working with children, as determined by the director of the child life certificate)

For additional information and application, students should consult with an academic advisor in either the School of Community Resources and Development or the Sanford School.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics

<https://thesanfordschool.asu.edu>

SS 144

[email@thesanfordschool.org](mailto:email@thesanfordschool.org)

480-965-6978

## Civic Education Certificate (LACVECERT)

**Campus:** Tempe

### **Description:**

The civic education certificate program is designed to help prepare undergraduate students for careers in primary and secondary education where the teaching of government and civics may be involved. It is also preparation for careers or voluntary participation in politics, public service, civic and social movements and for further education in law, journalism, business, history, sociology, political science and other fields where an understanding of questions of citizenship, leadership, community, democracy, public responsibility and ethics is crucial.



**Program Requirements:**

The certificate in civic education is comprised of 15 credit hours in political science. At least 12 credit hours must be upper-division. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences. Courses must be completed with a grade of "C" (2.00 on a scale of 4.00) to fulfill minor requirements.

Theoretical Foundations -- 6 credit hours

POS 210: Political Ideologies (SB) (3)

POS 442: American Political Thought (HU) (3)

Topics in Political Theory (Choose one) -- 3 credit hours

POS 340: History of Political Philosophy I (HU & H) (3)

POS 341: History of Political Philosophy II (HU & H) (3)

POS 346: Problems of Democracy (HU) (3)

POS 443: Topics in Contemporary Political Theory (HU) (3)

POS 475: Morality and Politics (3)

Civics in Action (Choose two) -- 6 credit hours

POS 313: The Congress (SB) (3)

POS 314: The American Presidency (SB) (3)

POS 315: The Supreme Court (SB) (3)

POS 325: Public Policy Development (SB) (3)

POS 332: American Political Parties (SB) (3)

POS 333: Interest Groups (SB) (3)

POS 348: Do You Want to Build a Nation? (L) (3)

POS 370: Law and Society (SB) (3)

POS 410: Governing American Cities (SB) (3)

POS 417: Arizona Politics (SB) (3)

POS 435: Women and Politics (SB & C) (3)

POS 439: Minority Group Politics in America (SB & C) (3)

POS 470: Law and the Political Order (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students should contact the School of Politics and Global Studies for more information about completing the civic education certificate.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies

<https://spgs.asu.edu/>

COOR 6797

[spgs@asu.edu](mailto:spgs@asu.edu)

480-965-8563

## Civil Communication Certificate (LACCOMCERT)

**Campus:** Tempe

**Description:**

The Hugh Downs School of Human Communication certificate in civil communication provides students specific training in dialogue-based methods of civility, application of critical civil communication skills in public spheres, and civil and productive modes of argumentation. This specialization provides students with the ability to recognize, competently practice and facilitate the ever-increasing demand for civil discourse in society and workplace organizations. The foundational courses offer the opportunity for transdisciplinary collaboration and community engagement.

**Program Requirements:**

The certificate requires 18 credit hours. Nine of the 18 credit hours must be ASU resident credit courses, including six upper-division credit hours offered by the College of Liberal Arts and Sciences. 12 credit hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours

COM 222: Argumentation (L) (3)

COM 225: Public Speaking (L) (3)

COM 327: Civil Communication (3)

Elective Courses (select three) -- 9 credit hours

COM 312: Communication, Conflict, and Negotiation (3)

COM 319: Persuasion and Social Influence (SB) (3)

COM 321: Rhetorical Theory and Research ((L or HU) & H) (3)

COM 325: Advanced Public Speaking (L) (3)

COM 341: Social Contexts for Performance (3)

COM 421: Rhetoric of Social Issues (HU) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students should contact the Hugh Downs School of Human Communication for additional information.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Hugh Downs School of Human Communication  
<https://humancommunication.asu.edu/>  
STAUF 412A  
communication@asu.edu  
480-965-5095

## Classical Studies Certificate (LACLCERT)

**Campus:** Tempe

**Description:**

The classical studies program offers students a wide variety of opportunities to study the language, literature and culture of the ancient Greeks and Romans. The School of International Letters and Cultures offers a certificate in classical studies for those students interested in pursuing a classical education in conjunction with another major or as part of their general studies.

**Program Requirements:**

The certificate in classical studies requires a minimum of 28 credit hours. At least 12 credit hours must be at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Language Requirement -- 16 credit hours

Five semesters of language courses in either Ancient Greek or Latin (16)

GRK 101 and GRK 201 are each 4 credit hour courses. GRK 301 and 302 are each 3 credit hour courses and may be used to satisfy the language requirement and repeated to count toward the Classical Studies Electives requirement.

LAT 421 may be used to satisfy the language requirement and repeated to count toward the Classical Studies Electives requirement.

Credit hours taken for the language requirement that exceed the required 16 credit hours will be applied to ASU's 120 credit hour minimum.

Classical Studies Electives (choose four) -- 12 credit hours

APH 313: History of Architecture I ((L or HU) & G & H) (3)

ARS 402: Art of Ancient Egypt (HU & H) (3)

ARS 404: Greek Art (HU & H) (3)

ARS 406: Roman Art (HU & H) (3)  
ENG 303: Classical Backgrounds of English Literature (HU) (3)  
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) (3)  
HST 348: Rome (SB & H) (3)  
HST 349: Early Middle Ages ((HU or SB) & H) (3)  
HST 350: Later Middle Ages ((HU or SB) & H) (3)  
HST 362: Sex and Society in Classical and Medieval Europe (SB & H) (3)  
HST 373: Roman History I: Foundations and Republic (3)  
HST 374: Roman History II: The Roman Empire (3)  
HST 495: Politics in the Ancient Greek World (L) (3)  
LAT 421: Roman Literature (HU) (3)  
PHI 328: History of Ancient Philosophy (HU & H) (3)  
POS 340: History of Political Philosophy I (HU & H) (3)  
REL 315: Hebrew Bible (Old Testament) ((L or HU) & H) (3)  
REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)  
REL 371: New Testament (HU) (3)  
REL 375: Lost Scriptures, Lost Christianities (HU) (3)  
SLC 344: Classics and Comics (3)  
SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (3)  
SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) (3)  
SLC 360: Greece and Rome at War (3)  
SLC 361: Roman Religion (HU) (3)  
SLC 362: Ancient Greek Religion (3)  
SLC 373: Roman History I: Foundations and Republic (3)  
SLC 374: Roman History II: The Roman Empire (3)  
SLC 444: Heroes, Ancient and Modern (L or HU) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students interested in the classical studies certificate program must contact the coordinator of the certificate before being accepted into the program. Students should contact an academic advisor at the School of International Letters and Cultures for more information.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## **Communication Sciences and Disorders Certificate (NHCSDCERT)**

**Campus:** Tempe

#### **Description:**

The postbaccalaureate certificate in communication sciences and disorders is designed for students who have already received a bachelor's degree in another discipline but wish to pursue a master's degree in speech-language pathology or communication disorders.

The coursework will provide students with the prerequisite background and knowledge necessary to perform at the master's degree level in the field.

Completion of the postbaccalaureate certificate allows students to meet the American Speech Language and Hearing Association requirements to enter master's degree programs in speech-language pathology or communication disorders.

#### **Program Requirements:**

There are 27 required credit hours in the certificate in communication sciences and disorders. A "C" minimum is required for all courses in the certificate, although students must maintain a 3.00 GPA in the certificate program.

Required courses -- 27 credit hours

SHS 250: Introduction to Phonetics (3)

SHS 310: Anatomical and Physiological Bases of Speech (3)

SHS 311: Hearing Science (3)

SHS 367: Language Science (SB) (3)

SHS 375: Speech Science (3)

SHS 401: Principles of Audiology (3)

SHS 402: Clinical Methods and Treatment of Communication Disorders (3)

SHS 465: Speech and Language Acquisition (SB) (3)

SHS 496: Aural Rehabilitation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Prospective students must have earned a bachelor's degree in a field outside of speech and hearing science with a minimum GPA of 3.00 (scale is 4.00 = "A").

Students interested in this certificate should apply for university admission as nondegree-seeking graduate students and submit a supplemental application to the program.

More information is available at <https://chs.asu.edu/programs/communication-sciences-and-disorders>

(<https://chs.asu.edu/programs/communication-sciences-and-disorders>).

#### **Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/communication-sciences-and-disorders>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

480-965-2374

## **Communication Training and Assessment Certificate (ASCTACERT)**

**Campus:** West

#### **Description:**

The certificate program in communication training and assessment combines coursework from across the communication curriculum. This grounding teaches students the best approaches to the assessment, training and development of communications skills in business, professional and community settings.

Certificate holders demonstrate expertise in communication training, presentation skills, professional development and assessment practices.

#### **Program Requirements:**

The certificate in communication training and assessment requires a minimum of 18 credit hours (at least 12 credit hours must be upper-division).

At least nine credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and a major.

The certificate requires 12 credit hours of core requirements and six credit hours of electives. Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

Core Requirements -- 12 credit hours

COM 225: Public Speaking (L) or COM 325: Advanced Public Speaking (L) or COM 342: Oral History and Storytelling (3)

COM 383: Communication and Mentoring or COM 483: Advanced Communication and Mentoring (3)

COM 453: Communication Training and Development (3)

COM 482: Communication, Instruction and Training (3)

Elective Requirements -- 6 credit hours

COM 230: Small Group Communication (SB) (3)

COM 259: Communication in Business and the Professions (3)

COM 312: Communication, Conflict, and Negotiation (3)  
COM 319: Persuasion and Social Influence (SB) (3)  
COM 353: Professional Communication (3)  
COM 415: Risk Communication (3)  
COM 430: Leadership in Group Communication (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-behavioral-sciences-degree-programs>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Computational Life Sciences Certificate (LACLSICERT)

**Campus:** Tempe

**Description:**

In the life sciences, employers need graduates who are skilled in understanding and interpreting data. In particular, students who have experience using new, computational approaches and computer programs to process data are in demand. By completing this certificate in computational life sciences, students learn how to identify and interpret data that is generated from a wide range of fields in the life sciences. These fields include, but are not limited to: ecology, botany, evolutionary biology, neuroscience, molecular and cellular biology, and animal behavior. Students learn about many types of data generated from sources such as DNA, RNA, protein, imaging, conservation and even from long-term ecological research sites.

Students are introduced to a suite of computational approaches that are used to analyze, visualize and interpret this data. Finally, students will delve into the ethical implications of collecting, analyzing and sharing the results of computational life sciences data.

**Program Requirements:**

The certificate in computational life sciences requires a minimum of 15 credit hours, of which at least 12 credit hours must be upper-division. The core consists of one computing course and one ethics course. A minimum of nine credit hours in elective courses complete the certificate. The computing course not used toward the core requirements may be used toward the elective credit hours. A grade of C (2.00 on a 4.00 scale) or higher is required for all courses used toward the certificate.

Required Courses -- 6 credit hours

BIO 316: History of Biology: Conflicts and Controversies (H) or BIO 317: History of Science (HU & H) or BIO 318: History of Medicine (HU & H) (3)  
BIO 439: Computing for Research or BIO 440: Functional Genomics (3)

Electives -- 9 credit hours

BIO 355: Introduction to Computational Molecular Biology (CS) (3)  
BIO 411: Quantitative Methods in Conservation and Ecology (4)  
BIO 415: Biometry (CS) (4)  
BIO 439: Computing for Research (3)  
BIO 440: Functional Genomics (3)  
BIO 494: Data Analysis in Neuroscience (3)  
BIO 494: Genomic Analysis (3)  
BMI 311: Modeling Biomedical Knowledge (3)  
BMI 312: Modeling Biomedical Data (3)  
BMI 330: Topics in Translational Bioinformatics (3)

If not used as the required computing course, students may include BIO 439 or BIO 440 as a certificate elective.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/>  
LSC 426  
SOLS.advising@asu.edu  
480-727-2039

## Computer Gaming Certificate (ESSCICERT)

**Campus:** Tempe

**Description:**

The computer gaming certificate program is designed to provide a game development skill set that the student can apply to domain-specific applications in the student's major. The skill set includes architecture of game engines, art design and computer graphics for gaming, and game software development.

In this certificate program, students learn to apply gaming technology to the rapidly growing video game industry and to business, medicine, geography, biotechnology and education. Examples of projects include:

- building a game that teaches linear algebra by incorporating trigonometric rules into the game design
- creating a game that teaches correct sentence construction to beginning learners of English
- creating a game to help patients with physical therapy
- creating an interactive virtual world for corporate training
- designing a game platform incorporating geographic information systems
- inventing a surgical simulation to educate medical students

**Program Requirements:**

Students will complete nine credit hours of core courses (including a final capstone project) and nine credit hours of elective courses. The certificate requires 12 credit hours of upper-division coursework. Students need to allow at least three years to complete the certificate program due to the prerequisite structure.

Core Courses -- 9 credit hours

CPI 111: Game Development I (CS) (3)

CPI 211: Game Development II (3)

CPI 441: Gaming Capstone (3)

Electives -- 9 credit hours

CPI 311: Game Engine Development or SER 332: Introduction to Graphics and Game Development (3)

CPI 321: Fundamentals of Game Art (3)

CPI 411: Graphics for Games or SER 432: Game Engine Architecture (3)

CPI 421: 3-D Modeling and Texturing (3)

CPI 462: Design for Learning in Virtual Worlds (3)

CPI 484: Internship (3)

SER 431: Advanced Graphics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The computer gaming certificate is open to any student admitted to an undergraduate degree program at ASU and in good academic standing. This

certificate can also be used by interdisciplinary studies BA students as part of their degree program.

All students are eligible to take CPI courses. Students who want to declare the certificate need to complete the undergraduate certificate form on the registrar's website and submit it to the School of Computing, Informatics and Decision Systems Engineering Academic Advising Center located in Centerpoint, Room 105. Interdisciplinary studies students need to contact their advisor to add the computer gaming concentration to their degree program.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computing and Informatics Program

<https://cidse.engineering.asu.edu/forstudent/undergraduate/certificates/computer-gaming/>

CTRPT 105

[cidse.undergrad@asu.edu](mailto:cidse.undergrad@asu.edu)

480-965-3199

## Convention Sales and Meeting Planning Certificate (PPTDMCERT)

**Campus:** Downtown Phoenix

**Description:**

The U.S. meetings, conventions and exhibitions industry generates more than \$120 billion a year, supporting nearly two million jobs. Students can explore this exciting growth industry with the convention sales and meeting planning certificate program. The demand for professionals is strong, and this program provides an excellent foundation for enhancing career opportunities nationally, regionally and locally.

Phoenix is a major convention and meeting destination. There is a need for qualified professionals to service conventions and meetings, due in large part to the \$600 million investment in the Phoenix Convention Center expansion, development of new hotels and other visitor-related products and the steady influx of corporate headquarters relocating to the greater Phoenix area.

The certificate, which has been endorsed by the Greater Phoenix Convention and Visitors Bureau and the Arizona Sunbelt Chapter of Meeting Professionals International, enhances a graduate's career opportunities as a tourism professional.

**Program Requirements:**

The certificate requires 15 credit hours: four required core courses (12 credits) and one elective course (3 credits). Courses taken as part of a university major may count toward that degree and the certificate. Requirements can be met online. All core classes and some elective classes are taught online at least once a year. To earn the certificate, students must complete a minimum of 12 upper-division credit hours. An application to the program is required.

Required Core Courses -- 12 credit hours

TDM 205: Introduction to Travel and Tourism (G) (3)

TDM 345: Meeting and Convention Planning (3)

Notes: Prerequisite: TDM 205, grade of "C" (2.00) or better

TDM 350: Tourism, Recreation and Sports Marketing (3)

Notes: Prerequisite: TDM 205, grade of "C" (2.00) or better

TDM 386: Convention Sales and Management (3)

Elective (choose one) -- 3 credit hours

TDM 225: Introduction to Resort and Hotel Management (3)

TDM 458: International Tourism (G) (3)

PRM 486: Special Events Management (3)

Standards

1. Fifteen credit hours of graded classroom coursework are required (no internship, no independent study).
2. A minimum "C" (2.00 on a 4.00 scale) grade is required for all classes in the certificate.
3. A minimum GPA of 2.00 is required for those pursuing the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Other Enrollment Requirements: None

Students wishing to pursue the convention sales and meeting planning certificate should consult an academic advisor in the School of Community Resources and Development. Students seeking additional information are asked to visit the school's website.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/programs/certificate/convention-sales-and-meeting-planning>  
UCENT 550  
scrdadvising@asu.edu  
602-496-0550

## Correctional Studies Certificate (PPCRTSCERT)

**Campus:** Downtown Phoenix

**Description:**

The certificate program in correctional studies educates students about a variety of components that make up the corrections system. It is designed to provide students with understanding and knowledge of the histories, philosophies and contemporary practices of both institutional and community corrections. The program emphasizes evidence-based best practices concerning the rehabilitation of correctional clients to reduce recidivism.

**Program Requirements:**

Required Courses -- 15 credit hours

CRJ 100: Introduction to Criminal Justice (SB) (3)

CRJ 240: Introduction to Corrections (3)

CRJ 443: Community Corrections (3)

CRJ 444: Institutional Corrections (3)

CRJ 445: Tools for Engaging Correctional Populations (3)

Elective Courses (choose two) -- 6 credit hours

CRJ 394: Special Topics (3)

Notes: Only approved corrections-related topics

CRJ 406: Sex Crimes (3)

CRJ 411: Legal Issues in Corrections (3)

CRJ 434: Drugs of Abuse (3)

CRJ 435: Crime and Forensic Mental Health (3)

CRJ 484: Internship (3)

CRJ 494: Special Topics (3)

Notes: Only approved corrections-related topics

Special Topics courses (CRJ 394 and CRJ 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the correctional studies certificate program.

At least 15 credit hours must be taken in-residence at ASU.

Lower-division courses such as CRJ 100 (Introduction to Criminal Justice) and CRJ 240 (Introduction to Corrections) may be used to satisfy the requirements of any major or a minor at ASU, as well as requirements for the certificate program in correctional studies. No upper-division courses in criminology and criminal justice, however, may be used to satisfy the requirements of the certificate program in correctional studies and either the major or minor in criminology and criminal justice. For example, students majoring or minoring in criminology and criminal justice may not use CRJ 394, CRJ 406, CRJ 411, CRJ 434, CRJ 435, CRJ 443, CRJ 444, CRJ 445, CRJ 484, or CRJ 494 to satisfy the requirements of the certificate in correctional studies and either the major or minor in criminology and criminal justice.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students must complete CRJ 100 Introduction to Criminal Justice with a grade of "C" or better (scale is 4.00 = "A") in order to be admitted to the



certificate program. This course may be taken in residence at ASU or may be transferred from other institutions, including community colleges. Because this course is a requirement for the bachelor's degree program and the minor in criminology and criminal justice, its completion satisfies the requirements of the major or minor and satisfies the prerequisite requirement for admission to the certificate program in correctional studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu>  
UCENT 600  
SCCJAdvising@asu.edu  
602-496-2356

## Creative City Certificate (PPURBCERC)

**Campus:** Downtown Phoenix

**Description:**

Exploring best practices in a global context, students develop asset-based proposals for specific locales including implementation plans. The creative city certificate adds value to other majors as well as work and life experience for students aspiring to assume leadership roles in improving quality of life, specifically by enhancing quality of place.

Cities are centers of human creativity and cultural innovation; they both attract and breed these qualities of urban areas. Such creativity and innovation are apparent in the vitality of the arts as well as that of businesses (large and small), research (basic and applied) and the everyday life unique to any given locale. These are the ingredients that make our places sustainable, economically, socially and environmentally, by endowing a sense of place along with a sense of community.

This certificate also serves professionals in the community working in the areas of:

- community development
- land-use law
- parks and recreation
- philanthropy
- planning
- public art
- urban governance and others

Flexible class times and locations make the program a viable option for those unable to attend classes during the day.

**Program Requirements:**

The five-course sequence comprising the certificate will enable students to build upon their own strengths in order to help cities and communities creatively build upon their capacities. The creative city certificate consists of a maximum of 15 credit hours of coursework. All courses must be taken at ASU.

Required Core Courses -- 6 credit hours

URB 405: Citizen Engagement and Community Building (3)

URB 406: Public Administration & Community Development (3)

Elective Courses -- 9 credit hours

CRD 301: Sustainable Communities (3)

CRD 302: Inclusive Community Development (SB & C) (3)

GRA 401: Creative Environment (3)

NLM 160: Voluntary Action and Community Leadership (SB) (3)

NLM 220: Introduction to Nonprofit Organizations (3)

NLM 300: Fund Raising and Resource Development (3)

NLM 402: Assessment and Evaluation of Community Services (3)

PAF 420: Public Leadership (3)

PRM 120: Leisure and the Quality of Life (SB) (3)

PRM 210: Leisure Delivery Systems (3)

TDM 448: Heritage and Cultural Tourism (3)

URB 220: Introduction to Urban America (3)

A "C" (2.00 on a 4.00 scale) or better is required in all upper-division coursework.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/undergradminors>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Criminal Investigations Certificate (PPCRICERT)

**Campus:** Downtown Phoenix, West

**Description:**

The certificate in criminal investigations educates students about a variety of aspects of criminal investigations and criminalistics. It is designed to provide students of the social sciences, natural sciences, humanities and public services with an understanding of the nature of criminal evidence; the language of forensic science; the scope, probative value and limitations of a variety of investigative specializations and their techniques; and an appreciation of how forensic investigative methods are used in the quest for justice.

The certificate program allows students to satisfy at least two of their General Studies requirements (SQ and SB) in a thematic manner, but it is not designed to prepare students to work in a crime laboratory.

**Program Requirements:**

Required Courses -- 12 credit hours

CRJ 100: Introduction to Criminal Justice (SB) (3)

CRJ 210: Introduction to Criminal Investigations (3)

CRJ 211: Documenting the Crime Scene (3)

CRJ 410: Procedural Criminal Law (3)

Elective Courses (choose three) -- 9 credit hours

CRJ 321: Imperatives of Proof (3)

CRJ 433: Death Investigations: Principles of Forensic Medicine (3)

CRJ 434: Drugs of Abuse (3)

CRJ 435: Crime and Forensic Mental Health (3)

CRJ 450: Crime Analysis (3)

CRJ 484: Internship (1-6)

CRJ 494: Special Topics (3)

Notes: only in approved investigations-related topics

FOR 350: Computer Forensics (3)

FOR 394: Special Topics (3)

Notes: only in approved investigations-related topics

FOR 410: Professional Practices in Forensic Science (L) (3)

FOR 484: Internship (1-6)

1. It is the student's responsibility to check the prerequisites required by courses in their discipline. Depending upon a student's program of study, prerequisite courses may be needed to complete the requirements of this certificate.
2. Special Topics courses (FOR 394 and CRJ 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the criminal investigations certificate program.
3. At least 12 credit hours must be taken in-residence at ASU.
4. A "C" (2.00 on a 4.00 scale) or better is required in all core and elective course work required for the certificate.
5. Upper-division course work may not be used to satisfy the requirements of both a major and the certificate. Thus, if any elective courses in the

certificate program are being used to satisfy the requirements of a major, different elective courses must be taken to satisfy the requirements of the certificate program. For example, students majoring in criminology and criminal justice may not use CRJ 321, CRJ 410, CRJ 433, CRJ 434, CRJ 435, CRJ 450, CRJ 484 or CRJ 494 to satisfy the requirements of the major and the certificate in criminal investigations. Similarly, students majoring in forensic science may not use FOR 350, FOR 410 or FOR 484 to satisfy the requirements of the major and the certificate in criminal investigations.

#### Prerequisite Information

CRJ 100 Introduction to Criminal Justice, SB (3) is a prerequisite requirement to enroll in CRJ 210, CRJ 211, CRJ 433, CRJ 434, CRJ 435, CRJ 484 and CRJ 494.

ACO 100 All About Data: Design, Query, and Visualization, CS (3) is a prerequisite requirement to enroll in FOR 350 Computer Forensics.

Either FOR 286 Principles of Forensic Science (3) or the two semester sequence in FOR 105 and FOR 106 is a prerequisite requirement to enroll in FOR 410 Professional Practices in Forensic Science, L (3). ENG 102 or 105 or 108 are also prerequisites for FOR 410.

The completion of at least 45 credit hours is a prerequisite requirement to enroll in FOR 484 Internship.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

Students must complete the following prerequisite courses with a grade of "C" or higher (scale is 4.00 = "A") in order to be admitted to the certificate program. These courses may be taken in residence at ASU or may be transferred in from other institutions, including community colleges.

The following prerequisite courses are required for admission to the certificate program:

For students majoring in the social sciences, humanities or the arts:\*

FOR 105 Physical Evidence and the Crime Scene, SQ (4) and

FOR 106 Biology Behind the Crime Scene, SQ (4)

For students majoring in the natural sciences:\*

FOR 286 Principles of Forensic Science (4)

\*Neither FOR 105 nor FOR 106 have any prerequisites. These courses are designed for students majoring in the social sciences, humanities or arts to meet the natural science requirement of ASU's General Studies program. Thus, students not majoring in the natural sciences who wish to declare the certificate program in criminal investigations must complete the two-course sequence in FOR 105 and FOR 106. In contrast, students majoring in the natural sciences (including forensic science) should not take FOR 105 and FOR 106; they need only complete FOR 286: Principles of Forensic Science, which has prerequisite requirements of BIO 181, BIO 182, CHM 113 and CHM 116.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Contact Information:

Public Service and Community Solutions, Watts College of

School of Criminology and Criminal Justice

<https://ccj.asu.edu/>

UCENT 600

SCCJAdvising@asu.edu

602-496-2356

## Cross-Sector Leadership Certificate (PPCSLDCERT)

**Campus:** Downtown Phoenix

#### Description:

The certificate program in cross-sector leadership provides a comprehensive overview of leading solutions to complex social challenges by integrating the public, private, nonprofit and military sectors.

Students engage in a systems-thinking approach to real-world challenges faced by local and global communities, explore the diverse characteristics and motives of each sector in engaging in cross-sector collaborations, and master processes to formalize such partnerships. Students gain leadership skills, such as leading change within and between organizations across multiple sectors, and they learn to use human-centered design, social entrepreneurship and other approaches when tackling community challenges. Students study values-based leadership and how individual, organizational and sector values can drive a leader's ability to act. Students end the program with a thesis or applied project that integrates the theories, procedures and concepts learned in the certificate courses with experiences from the students' internships in each sector.

**Program Requirements:**

The certificate in cross-sector leadership is a requirement for, and is limited to, participants in the Public Service Academy's Next Generation Service Corps, a four-year leadership development track that engages future civilian leaders in the public, private and nonprofit sectors to engage in collaboration and change in the context of social challenges in which they hold interest. Students are required to maintain a 3.00 GPA and demonstrate forward academic progress to maintain enrollment in the certificate as well as the Next Generation Service Corps. ROTC students also may pursue the certificate, but must maintain a 3.00 GPA in certificate courses.

Required Courses -- 15 credit hours

CPP 101: Foundations of Cross Sector Leadership (1)

CPP 201: NGSC Community Impact Lab (2)

CPP 301: Cross-Sector Collaboration (3)

CPP 484: NGSC Nonprofit Internship (1)

CPP 484: NGSC Private Internship (1)

CPP 484: NGSC Public Internship (1)

NLM 410 / CPP 410: Social Entrepreneurship (3)

PAF 311: Leadership and Change (SB) (3)

Elective (Choose one) -- 3 credit hours

CPP 394: NGSC Leadership Instruction (3)

PAF 421: Leadership Capstone (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Enrollment in the 18-credit hour certificate program in cross-sector leadership is offered only to students participating in ASU's Next Generation Service Corps or in the Reserve Officers Training Corps. Enrollment requirements for the certificate are the same as admission requirements for the Next Generation Service Corps or Reserve Officer Training Corps (by request). Public Service Academy staff and the Watts College of Public Service and Community Solutions Dean's Office enroll the students.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree.

**Contact Information:**

Public Service and Community Solutions, Watts College of

Watts College of Public Service & Community Solut

<https://psa.asu.edu>

UCENT 707

[psa@asu.edu](mailto:psa@asu.edu)

602-496-0201

## Cryptology Certificate (LACRYCERT)

**Campus:** Tempe

**Description:**

The certificate program in cryptology is designed to provide a strong foundation in the mathematical topics that are most applicable to modern cryptosystems. It also provides specialized knowledge required to understand and work in the field of mathematical cryptology.

**Program Requirements:**

This certificate requires 18 credit hours. Grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

Required Courses -- 12 credit hours

MAT 440: Group Theory or MAT 444: Intermediate Abstract Algebra (3)

MAT 445: Theory of Numbers (3)

MAT 447: Cryptography I (3)

MAT 448: Cryptography II (3)

Elective Courses (select two) -- 6 credit hours

MAT 415: Introduction to Combinatorics (3)

MAT 416: Introduction to Graph Theory (3)

MAT 441: Ring Theory (3)

STP 421: Probability (3)

STP 427: Mathematical Statistics (3)

\*Students may substitute an approved cryptography-related internship for 3 credit hours of elective work.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

This program has additional admission requirements; students should see a college advisor for details. Applicants should be in good academic standing with a "B" or better (scale is 4.00 = "A") in MAT 300 Mathematical Structures (3) or the equivalent.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences

<https://math.asu.edu>

WXLR A211

[math@asu.edu](mailto:math@asu.edu)

480-965-7195

## **Data Science Certificate (ASDTSCERT)**

**Campus:** West

#### **Description:**

The data science certificate program combines the strengths of database skills with interdisciplinary computational statistics.

The program provides students with an understanding of the computational and statistical methods to extract insights from complex datasets and provides hands-on experience with it. In particular, it includes courses that cover key techniques for the different stages of the data science process: data collection, data processing for small and big data, data cleaning, exploratory data analysis, data visualization, predictive modeling with machine learning techniques, and statistical modeling.

#### **Program Requirements:**

The certificate in data science consists of a minimum of 15 upper-division credit hours. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Required Courses -- 9 credit hours

ACO 320: Database Systems (3)

ACO 423: Data Science (3)

STP 315: Statistical Computing (3)

Electives -- 6 credit hours

ACO 321: Database Development & Applications (3)

ACO 420: Big Data Systems (3)

ACO 421: Data Mining and Warehousing (3)

BMI 311: Modeling Biomedical Knowledge (3)

BMI 312: Modeling Biomedical Data (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Prerequisites for this certificate are:

- ACO 201 Data Structures and Algorithms (3)

- MAT 243 Discrete Mathematical Structures (3) or MAT 300 Mathematical Structures (3)
- STP 226 Elements of Statistics (3)

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
 School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/data-science-certificate>  
 FAB N100  
 MNSadvising@asu.edu  
 602-543-3000

## Desert Food Production Certificate (LSDFPRCERT)

**Campus:** Polytechnic

**Description:**

The certificate program in desert food production equips students interested in producing foods locally with the knowledge and skills necessary to grow edible plants and to navigate the challenges unique to desert climates. Coursework in the program emphasizes organic food production, sustainable horticultural technologies, green waste reduction, water conservation, maintaining biodiversity and biological cycles, and enhancing soil quality. Students gain marketable skills that enable them to participate in the growing trend of producing and supporting the consumption of local foods.

**Program Requirements:**

The desert food production certificate requires a minimum of 18 credit hours.

Only courses in which a student receives a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

No more than two credit hours of ABS 484 Internship may be counted toward the certificate requirements.

Four credit hours of certificate electives must be from upper-division courses.

**Required Courses -- 12 credit hours**

ABS 260: Fundamentals of Sustainable Horticulture (SG) (4)

ABS 368: Plant Propagation (3)

ABS 460: Organic Gardening (2)

ABS 464: Desert Horticulture (3)

**Elective Courses -- 6 credit hours**

ABS 225: Soils (SQ) (3)

ABS 226: Soils Laboratory (SQ) (1)

ABS 360: Southwest Home Gardening (2)

ABS 462: Greenhouse/Nursery Management (4)

ABS 484: Internship (2)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

This certificate is open to students in any major. Students should contact an advisor in the College of Integrative Sciences and Arts for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
[cisa@asu.edu](mailto:cisa@asu.edu)  
480-727-1526

## Digital Business Innovation Certificate (BADBICERT)

**Campus:** Tempe

**Description:**

This certificate program in digital business innovation provides students with a broad overview of modern-day digital information systems. It gives exposure to modern tools for transforming business processes, maintaining digital presence and developing analytical insights.

Students who complete the program will be well-suited for the business landscaped, phenomenally transformed in recent years by digital innovations.

**Program Requirements:**

The digital innovation certificate is available to all majors. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or higher. No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Courses -- 18 credit hours

CIS 105: Computer Applications and Information Technology (CS) (3)

CIS 235: Introduction to Information Systems (3)

CIS 300: Web Design and Development (3)

CIS 308: Advanced Excel in Business (3)

CIS 311: Business Project Management (3)

CIS 312: Business Mobile Commerce and Monetization (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Business, W. P. Carey School of  
Department of Information Systems  
<https://wpcarey.asu.edu/information-systems-degrees>  
BA 301P  
[wpcareyis@asu.edu](mailto:wpcareyis@asu.edu)  
480-965-3252

## Digital Culture Certificate (HIDGCCERT)

**Campus:** Tempe

**Description:**

The digital culture certificate program in the Herberger Institute for Design and the Arts focuses on the creative exploration of how new media is influencing our culture, or rather the way we live, learn, create and communicate. Pursuing the digital culture certificate will allow students to enhance their program of study with integrated, transdisciplinary training in creative processes and technical skills in new media with cultural applications.

**Program Requirements:**

The digital culture certificate requires 18 credit hours (12 upper-division) in three areas.

A minimum grade of a "C" (2.00) and an overall GPA of 3.00 is required in all classes in the certificate program. Courses in the certificate program may not be used as part of a major. All upper-division certificate coursework must be taken at ASU.

Required Courses -- 6 credit hours

AME 111: Introduction to Digital Culture (CS) (3)

AME 112: Computational Thinking for Digital Culture or AME 230: Programming for the Media Arts (CS) (3)

Digital Culture Studies -- 3 credit hours

AME 310: Media Literacies and Composition (3)

AME 320: Motion Capture for Integrative Systems (3)

AME 330: Digital-Physical Systems (3)

AME 340: Compositional and Computational Principles for Media Arts (3)

AME 394: Special Topics (3)

AME 410: Interactive Materials (3)

AME 430: Mac Development for Media Arts (3)

AME 435: Mobile Development (3)

AME 444: Media Installations (3)

AME 470: Programming for Social and Interactive Media (3)

AME 494: Animating Virtual Worlds (3)

AME 494: Rapid Prototyping through Somatic Research (3)

AME 494: Special Topics (3)

Digital Media - Media Arts and Design -- 6 credit hours

AME 394: Special Topics (3)

AME 494: Special Topics (3)

ART 440: Experimental Video Art (3)

ART 494: Visual Prototyping (3)

CIS 300: Web Design and Development (3)

EDT 440: Creating and Marketing Mobile Apps (3)

EEE 307: Signal Processing for Digital Culture (3)

FMP 394: Non-Linear Editing for Film and Media (3)

MDC 311: Composing and Performing for Hybrid Ensembles (3)

Capstone -- 3 credit hours

AME 485: Digital Culture Capstone I (3)

Generous substitution rules allow for course flexibility. Students receiving the digital culture certificate can petition to substitute up to six credit hours. Three credit hours can come from any course related to digital culture through courses offered by any ASU unit on any ASU campus, including the interdisciplinary arts and performance program on the West campus and the film and media studies program on the Tempe campus. Courses may include any on the list of related subjects and substitutions (shown above) or courses with comparable content.

The other three substitution hours can be achieved through the following path:

The three-hour media arts and design course requirement may be substituted with a three-hour course in the digital culture-related category. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Degree-seeking undergraduates or nondegree-seeking graduate students may add the digital culture certificate. To add the certificate, students must meet with the digital culture academic success coordinator to develop a pathway that best meets the proficiencies for the work they are interested in pursuing. Students then meet with the academic advisor for their major to add the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T



<https://artsmediaengineering.asu.edu/>  
STAUF B 217  
digitalculture@asu.edu  
480-965-9438

## Diversity and Equity Studies Certificate (ASDESCERT)

**Campus:** West

### Description:

This certificate program in diversity and equity studies develops students' intercultural competence through knowledge gained related to the histories, practices and perspectives of diverse groups, both local and global. Reflecting on this knowledge permits students to develop strategies to work with and through differences of gender, race, ethnicity, sexuality, age, religion and class. Integrative social sciences perspectives enable bridge-building within and across differences to redress inequalities.

This certificate is valuable to those pursuing careers in medicine, law, business and management, public policy, human resources, media, government and community advocacy.

### Program Requirements:

The certificate in diversity and equity studies requires a minimum of 15 credit hours (at least 12 must be upper division).

Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline.

Twelve credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences.

The certificate requires three core credit hours and 12 credit hours of electives. Electives are not limited to the certificate elective list; see academic advisor prior to enrollment.

A maximum of six credit hours may be shared between the certificate and a New College major.

A maximum of three credit hours of internship or individualized instruction may be applied toward the certificate.

Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet certificate requirements.

Required Core Course -- 3 credit hours

SBS 301: Cultural Diversity ((L or SB) & C) (3)

Elective Courses (minimum 9 upper-division) -- 12 credit hours

Students will select 12 elective credit hours from course work related to diversity and equity studies. Selected courses must come from at least two of the following prefixes: ASB, JHR, POS, SBS or SOC.

ASB 211: Women in Other Cultures ((HU or SB) & G) (3)

ASB 311: Principles of Social Anthropology (SB & G & H) (3)

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)

ASB 340 / SOC 328: Migration and Culture (SB & G) (3)

ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)

ASB 346: Marriage and Family Diversity (SB & C) (3)

ASB 394: Special Topics or JHR 394: Special Topics or POS 394 / SBS 394 / SOC 394: Special Topics (1)

ASB 442 / SBS 460: Global Cities (SB & G) (3)

ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)

ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)

ASB 494 / JHR 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)

ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)

JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

POS 357: South Asia Politics (SB & G) (3)

POS 436: Gender, Sexuality, Nation-States (3)

POS 437 / SOC 437: Women, Power, and Politics (G) (3)

POS 438: Latino Politics (SB & C) (3)

SOC 241: Modern Social Problems (SB) (3)

SOC 264: Gender and Society (SB & C) (3)

SOC 270: Racial and Ethnic Relations (SB & C) (3)

SOC 371: Inequality and Sustainability (3)

SOC 400: Perspectives on Aging (SB) (3)

SOC 426: Social Inequality (SB) (3)

SOC 457: Global Social Movements (SB & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students should contact an advisor in the New College of Interdisciplinary Arts and Sciences for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/diversity-and-equity-studies>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Domestic Violence and Evidence-based Practice Certificate (PPDVEPCERT)

**Campus:** Downtown Phoenix

**Description:**

The certificate program in domestic violence and evidence-based practice provides students with the experience and knowledge to intervene safely and effectively on behalf of the survivors of gender-based violence, a vulnerable group that helping professionals are likely to encounter in all areas of practice. Those knowledgeable about the dynamics of intimate partner violence are better equipped to assist those suffering its negative physical and mental health consequences.

Evidence-based care is crucial in domestic violence settings. Students of the certificate program engage in service-based and classroom learning to understand the role of evidence-based interventions in promoting survivor safety and client empowerment. Upon completion of the program, certificate holders become Arizona state-certified advocates for victims of domestic violence.

**Program Requirements:**

During their first semester in the certificate, students enroll in SWU 416, Domestic Violence and National AmeriCorps Service. A grade of B or better is required in each course to satisfy the certificate. Students must participate in an approved internship for a minimum of 300 hours.

Required Courses -- 9 credit hours

SWU 416: Domestic Violence and National AmeriCorps Service (3)

SWU 484: Internship or SWU 412: Field Instruction I (3)

Notes: Other internship credit may be substituted with department approval.

SWU 484: Internship or SWU 414: Field Instruction II (3)

Notes: Other internship credit may be substituted with department approval.

Electives -- 6 credit hours

SWU 417: Technology, Interpersonal Relationships and Abuse (3)

SWU 418: Global Violence Against Women (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

All students seeking the certificate must have 56 credit hours of coursework completed with a minimum GPA of 2.50. In order to enroll in SWU 416, students must have a current Arizona fingerprint clearance card, which will be verified through the State of Arizona system.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Academic Catalog Archive 2019-2020

School of Social Work  
https://socialwork.asu.edu  
UCENT 810E  
social.work@asu.edu  
602-496-0800

## Economic Justice Certificate (LAECNJCERT)

**Campus:** Tempe

### Description:

Through the certificate program in economic justice, students will gain knowledge of economic justice that will promote the growth of sustainable local, national, and global communities. They complete coursework in the theories and philosophies of economic justice and economic justice praxis to prepare them for transdisciplinary exploration into areas of personal interest.

Completion of the coursework in this certificate prepares students to support and create change by analyzing and developing policies to build local skills; developing the capacity to design, control, manage and evaluate initiatives that can economically revitalize communities; increasing research abilities; and laying the groundwork for new approaches to economic justice.

### Program Requirements:

The certificate in economic justice requires 15 credit hours, at least 12 of which must be completed at the upper-division level. All courses must be completed with a grade or "C" (2.00 on a 4.00 scale) or better.

Theories and Foundation in Economic Justice (select one) -- 3 credit hours

ASB 316: Money and Culture (L or SB) (3)

ECN 360: Economic Development (SB & G) (3)

JUS 105: Introduction to Justice Studies (SB) (3)

JUS 305: Principles of Justice Studies (SB) (3)

WST 270: Global Perspectives on Women (3)

Economic Justice Praxis (select one) -- 3 credit hours

JUS 405: Inequality, Economy and Justice ((L or SB) & G) (3)

JUS 484: Internship (3)

JUS 499: Individualized Instruction (3)

SGS 350: Economic Development and Globalization (3)

SWU 432: Social Policy and Services (3)

Interdisciplinary Elective Component (9 hours)

To provide students with an opportunity to focus on a particular racial group, nation, region, or specific historical event while also providing a broad interdisciplinary framework, students will select three electives. Courses must be taken from both of the substantive areas below, and from two or more academic units. Any course listed below may count towards this requirement, as well as other courses approved by the program director.

Race, Gender, Class, Citizenship and Economic Justice (select two) -- 6 credit hours

AIS 380: Contemporary Issues of American Indian Nations (C) (3)

APA 350: Inequality and Diversity in Education (L & C) (3)

CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)

HST 325: Immigration and Ethnicity in the United States (SB & H & C) (3)

IAS 305: Work and Identity (SB) (3)

JUS 420: Women, Work, and Justice ((L or SB) & C) (3)

JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)

SWU 374: Diversity and Oppression in a Social Work Context (C) (3)

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)

National and Global (select one) -- 3 credit hours

AFR 302 / WST 302 / HST 335: History of Black Women in America (SB & H) (3)

ECN 441: Public Economics (SB) (3)

JUS 321: Wealth Distribution and Poverty (SB & C) (3)

JUS 323: Justice and the Development of the Welfare State (SB) (3)

JUS 325 / SGS 325: Globalization and Socio-Economic Justice (SB & G) (3)

JUS 432: Racial Justice (L) (3)

JUS 435: Cinema and Justice (3)

JUS 456 / SOS 456: Human Rights and Sustainability ((L or SB) & G) (3)

JUS 469: Political Deviance and the Law ((L or SB) & C) (3)

PHI 336: Social and Political Philosophy (HU) (3)

POS 480: Global Justice (G) (3)

POS 486: International Political Economy (SB & G) (3)

WST 365: Women and International Health (G) (3)

WST 477: Women and Violence (SB & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

In order to declare this certificate, a student must first have a minimum of 30 earned credit hours and meet with an academic advisor in the School of Social Transformation.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

School of Social Transformation

<https://sst.asu.edu/content/economic-justice>

WILSN 125

SSTadvising@asu.edu

480-956-7682

## **Energy and Sustainability Certificate (SUESUCERT)**

**Campus:** Downtown Phoenix, Polytechnic, Tempe

#### **Description:**

The transdisciplinary certificate program in energy and sustainability examines current energy systems and what would be required to create a sustainable energy future. Students begin with an overview of how energy affects peoples' lives, the basic science and methods of energy production, and a full overview of energy policy options. Students then select additional energy courses from across many disciplines, depending on their specific interests.

An understanding of energy is increasingly important for jobs related to environmental quality, national security and the efficient functioning of cities. This program helps students enhance their understanding of the methods by which energy is generated and distributed as well as the associated sustainability issues. Students analyze social and policy dimensions of energy systems and infrastructure, and they may tailor the certificate around their unique interests in energy with a variety of electives representing a broad array of academic disciplines. The breadth of their energy knowledge is enriched by taking courses outside their primary area of study.

#### **Program Requirements:**

The certificate in Energy and Sustainability consists of 15 credit hours, at least 12 of which must be upper-division.

A GPA of 2.50 is required for all courses completed in the certificate.

Required Core Courses -- 9 credit hours

SOS 171 / GCU 171: The Thread of Energy (SB & G) (3)

SOS 314: Basic Energy Science (3)

SOS 315: Energy Policy (3)

Energy Elective Courses -- 6 credit hours

ALT 412: Village Energy Systems (3)

CHM 394: Chemistry, Energy, and Society (3)

EGR 371: Best Practices for Humanitarian Engineering (3)

EGR 476: Microgrid Design and Operation (3)

ERM 494: Algae in Water/Energy/Food Nexus (3)

ERM 494: Energy Economics (3)

FIS 494: Climate Change, Energy, and Social Justice (3)

GCU 364: Energy in the Global Arena (SB & G) (3)

GCU 442: Geographical Analysis of Transportation (SB) (3)

GLG 304: Minerals, Energy, and Society (3)

GPH 405: Energy and Environment (3)

HST 306: Energy History ((HU or SB) & H) (3)

JUS 332: Politics of Energy Policy and Justice (3)  
JUS 444: Environment and Justice (L & C) (3)  
PHY 498: The Science of Sustainable Energy (3)  
POS 394: Global Environmental Politics (3)  
PUP 430: Transportation Planning and the Environment (3)  
SOS 309: History and Philosophy of Sustainability (3)  
SOS 323: Sustainable Urban Dynamics (3)  
SOS 394: Introduction to Solar Energy for Non-Engineers (3)  
SOS 394: Sustainability in Organizations and Public Policy (3)  
SOS 435: U.S. Energy: Pathways to Sustainability (3)  
SOS 494: Creating Living Buildings (3)  
SOS 494: GHG Emissions Inventory (3)  
SOS 494: Renewable Energy (3)  
SOS 494: Should I Eat Fish? Ecology, Economics, & Policy (3)  
STS 317: Science, Technology, and Global Engagement (SB & G) (3)  
STS 329: Technology in Developing Countries (SB & G) (3)  
STS 332: Global Issues in Science and Technology (SB) (3)  
TEM 450: Design for the Developing World (3)

HST 306 and any 394, 494 or 498 courses must be taken with the specific course title/topic indicated above.

Energy elective courses are not limited to courses from this list only. Other courses on energy may be offered (special topics, etc.). Students may request to have those approved as an elective for this certificate by submitting a School of Sustainability standards petition:

[https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions) . Completed petitions may be submitted directly to [sosadvising@asu.edu](mailto:sosadvising@asu.edu).

Students must earn a grade of "C" or better in all courses.

Some energy elective courses have prerequisites. Any and all prerequisites must be met in order to select and enroll in those courses.

Some energy elective courses are more technical in nature, which may require additional math and science knowledge or prerequisites.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students who wish to declare a certificate in energy and sustainability should make an appointment with a School of Sustainability advisor.

Advising is by appointment only, scheduled through this website: [https://webapp4.asu.edu/advsched/?acad\\_org=CSS](https://webapp4.asu.edu/advsched/?acad_org=CSS)

([https://webapp4.asu.edu/advsched/?acad\\_org=CSS](https://webapp4.asu.edu/advsched/?acad_org=CSS)).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Sustainability, School of

School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/>

WGHL 108

[sosadvising@asu.edu](mailto:sosadvising@asu.edu)

480-727-6963

## **Entrepreneurship and Innovation Certificate (BAKEICERT)**

**Campus:** Tempe

#### **Description:**

The certificate program in entrepreneurship and innovation is comprised of three university-wide core courses followed by two courses within a student's disciplinary college. Individual colleges are encouraged to offer a capstone course as part of the program. Beyond topics related specifically to entrepreneurial business practices, courses include such topics as social entrepreneurship, arts entrepreneurship, idea generation and storytelling as additional perspectives for the student entrepreneur.

Students completing the certificate in entrepreneurship and innovation have their achievements recognized on their transcripts. Career services markets the certificate to potential employers, highlighting the innovative skills that students with this designation can offer.

**Program Requirements:**

Required Core Courses -- 9 credit hours

ENT 305: Principles of Entrepreneurship (3)

ENT 340: Creativity and Innovation (L or HU) or TEM 230: Creativity and Business Innovation (3)

ENT 360: Entrepreneurship and Value Creation or TEM 400: Technology Entrepreneurship (3)

Concentration Electives -- 6 credit hours

Upper Division Concentration Electives (6)

A list of concentration courses may be found here (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/certificates/entrepreneurship-innovation>).

It is the student's responsibility to check the prerequisites required by courses in their discipline.

Concentration electives will be designated and approved by individual disciplinary colleges.

Approved Certificate Elective -- 3 credit hours

Upper Division Approved Certificate Elective (3)

A list of approved certificate electives may be found here (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/certificates/entrepreneurship-innovation>).

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The certificate in entrepreneurship and innovation is available to all ASU students in good standing except those majoring in business entrepreneurship, management (entrepreneurship), and technology entrepreneurship and management. The certificate application can be accessed and submitted through Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Business, W. P. Carey School of

Department of Management and Entrepreneurship

<https://wpcarey.asu.edu/undergraduate-degrees/entrepreneurship-innovation-certificate>

BA 323

[wpcareymgt@asu.edu](mailto:wpcareymgt@asu.edu)

480-965-3431

## Environmental Education Certificate (TEEVEDCERT)

**Campus:** Polytechnic, Tempe, West

**Description:**

The Mary Lou Fulton Teachers College certificate in environmental education is for students in all majors and for nontraditional educators, and the program is designed to establish standards for professional excellence in environmental education.

Environmental education is taught in traditional classrooms and as community programs such as those at nature centers, museums, parks and zoos. The coursework required in the certificate increases the environmental literacy of future educators, fosters community leadership strategies and provides practice in environmental education teaching methods.

Students who complete the certificate are eligible to apply for the environmental education certificate recognized by the North American Association for Environmental Education.

**Program Requirements:**

This certificate requires 15 credit hours; 12 of which must be upper-division. A "C" or better is required in all upper-division coursework.

Required Core Courses -- 9 credit hours

SCN 201: Discovering the Deserts of the Southwest or SCN 301: Ecology and Natural History of the Sonoran Desert (SG) (3)

SCN 207: Introduction to Biomimicry or SCN 307: Learning from Nature: Biomimicry and STEM (3-4)  
SCN 208: Introduction to Urban and Environmental Studies or SCN 308: Urban Environmental Education (3-4)  
SCN 300: Foundations of Environmental Education (3)  
SCN 302: Environmental Education (L & G) (3)

Elective Options -- 6 credit hours

Any Core Certificate Course not taken above may be used to satisfy Electives.

SCN 209: Introduction to Environmental Education Project or SCN 309: Flying Wild , Globe , Outdoor Explorers Guide to Geology , Outdoor Explorers Guide to the Universe , Project Learning Tree , Project Wet , Project Wild , Project Wild Aquatic (1)

SCN 303: Environmental Education Internship (1-2)

SCN 304: Sonoran Desert Flora (3)

SCN 305: Tropical Ecology: A Cultural Exchange (3)

SCN 400: Sustainability Science for Teachers (3)

Notes: \*Teacher certification students will take SCN 400.

SCN 401: Sustainability Science, Technology, and Society (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 120

education@asu.edu

480-965-5555

## **Environmental Humanities Certificate (LAENHCERT)**

**Campus:** Tempe

### **Description:**

The environmental humanities certificate offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus in this vital area of study.

Courses are focused wholly or in large part on the human relationship to the environment and the relationship between nature and culture. To gain practical experience, certificate students also complete a required English internship in environmental activism, policy development, education or another pertinent area.

ASU's Department of English has an extensive internship program, offering placements in publishing, media and marketing, government, nonprofits and film festivals. The department also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

### **Program Requirements:**

The environmental humanities certificate consists of 24 hours, of which at least six must be upper-division courses offered by the Department of English in the College of Liberal Arts and Sciences.

Core Required Courses (choose three) -- 9 credit hours

ENG 334: The American Southwest in Literature and Film ((L or HU) & C) (3)

ENG 359: Indigenous American Literature ((L or HU) & C) (3)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)

ENG 370: Science, Values, and the Public (3)

ENG 371: Rhetoric of the Environmental Movement (3)

ENG 378: Environmental Creative Nonfiction (L or HU) (3)

ENG 468: Environmental Literary Criticism (L or HU) (3)



ENG 469: Science and Literature (L or HU) (3)

Internship Requirement -- 3 credit hours

ENG 484: Environmental Humanities Certificate (3)

Elective Courses (choose four) -- 12 credit hours

AFR 320: Africa: Politics, Environment, and Development (3)

ASB 326: Human Impacts on Ancient Environments (SB & H) (3)

ASB 370: Ethics of Eating (L or SB) (3)

BIO 109: Field Natural History of Arizona (SG) (4)

BIO 311: Biology and Society (3)

BIO 324 / PHI 310: Environmental Ethics (HU) (3)

GPH 210: Society and Environment (G) (3)

HST 342: U.S. West 20th Century (SB & H) (3)

HST 345: Environmental History (L) (3)

JUS 332: Politics of Energy Policy and Justice (3)

JUS 444: Environment and Justice (L & C) (3)

PSY 306: Environmental Psychology (SB) (3)

SGS 330: Globalization and the Environment: Problems and Solutions (3)

SOS 110: Sustainable World (SB) (3)

SOS 320: Society and Sustainability (L or SB) (3)

SOC 331: Environmental Sociology (SB & G) (3)

SOS 370: Ethics of Eating (L or SB) (3)

Other courses may be used by approval of an academic advisor in the Department of English.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For more information about the environmental humanities certificate, students should contact an advisor in the Department of English.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

Department of English

<https://english.asu.edu/admission/undergraduate-admission/environmental-humanities-certificate>

RBHL 170

englishadvising@asu.edu

480-965-3168

## **Environmental Humanities Certificate (LSEHCERT)**

**Campus:** Polytechnic

#### **Description:**

The environmental humanities certificate program offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus on this vital area of study. Students take courses and electives from selected programs focused on the human relationship to the environment and the relationship between nature and culture.

#### **Program Requirements:**

This certificate is comprised of 24 credit hours.

1. A minimum of 12 upper-division hours are required.
2. Six hours must be taken from the College of Integrative Sciences and Arts at ASU.
3. A grade of "C" (2.00) or higher is required in all courses taken for the certificate.

Core Courses -- 12 credit hours

Pick four ENG courses from the list below, with a minimum of at least one 400-level course:\*



ENG 334: The American Southwest in Literature and Film ((L or HU) & C) (3)

ENG 359: Indigenous American Literature ((L or HU) & C) (3)

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)

ENG 371: Rhetoric of the Environmental Movement (3)

ENG 378: Environmental Creative Nonfiction (L or HU) (3)

ENG 468: Environmental Literary Criticism (L or HU) (3)

ENG 469: Science and Literature (L or HU) (3)

\*Note: Other ENG courses may be approved by CISA advisors depending on special- or variable-topics courses available in given semesters.

Elective Courses -- 12 credit hours

Four elective courses (12)

Complete four additional courses. Students must work with their Academic Advisor to select Elective Courses. Some courses are limited to students majoring in the discipline, have prerequisites or cannot be taken in combination with another course on the list. Additional courses may be approved by the College of Integrative Sciences and Arts advisor depending on special- or variable-topics courses available in given semesters.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

The environmental humanities certificate is available to all ASU undergraduate students. Students should see an advisor for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

CISA@asu.edu

480-727-1526

## **Ethics Certificate (LAETHCERT)**

**Campus:** Tempe

### **Description:**

The ethics certificate program is designed to give students a richer understanding of systematic philosophical thinking about ethics. Students with majors in business, nursing, journalism and public administration, as well as students planning to pursue legal careers, among others, may well find that training in ethics is beneficial to their career goals. The certificate program permits some flexibility regarding course selection, thereby facilitating particular student interests.

### **Program Requirements:**

The certificate in ethics consists of 18 credit hours approved by an undergraduate advisor in the School of Historical, Philosophical and Religious Studies. All courses must be passed with a minimum grade of "C" (2.00 on a 4.00 scale). At least 12 credit hours must be upper-division. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences.

Core Course (choose one) -- 3 credit hours

PHI 335: History of Ethics (HU) (3)

PHI 337: Ethical Theory (HU) (3)

PHI 338: Metaethics (3)

Electives (choose five) -- 15 credit hours

PHI 105: Intro to Ethics (HU) (3)

PHI 107: Introduction to Philosophy of Sex and Love (3)

PHI 120: Introduction to Medical and Bioethics (HU) (3)

PHI 304: Existentialism (HU) (3)

PHI 306: Applied Ethics (HU) (3)

PHI 307: Philosophy of Law (HU) (3)

PHI 310: Environmental Ethics (HU) (3)

PHI 320: Bioethics (HU) (3)  
PHI 324: Existential Ethics (HU) (3)  
PHI 326: Philosophy of Happiness (HU) (3)  
PHI 335: History of Ethics (HU) (3)  
PHI 336: Social and Political Philosophy (HU) (3)  
PHI 337: Ethical Theory (HU) (3)  
PHI 338: Metaethics (3)  
PHI 347: Philosophical Theories of Constitutional Law (3)  
PHI 360: Business and Professional Ethics (HU) (3)  
PHI 370: Sports Ethics (HU) (3)  
PHI 405: Moral Psychology (3)  
PHI 406: Moral Dilemmas (L or HU) (3)  
PHI 408: Feminist Ethics (HU) (3)  
PHI 409: Eco-Community Ethics (HU) (3)  
PHI 420: Disaster Ethics (3)  
PHI 420: Ethics in Plato & Aristotle (3)  
PHI 420: Feminist Philosophical Literature (3)  
PHI 420: Found-Bioethics (3)  
PHI 420: Kantian Ethics (3)  
PHI 420: Medical Ethics (3)  
PHI 420: Normative Ethics (3)  
PHI 420: Scanlons Political Philosophy (3)  
PHI 420: Topics in the Ethics of Sustainability (3)  
PHI 448: Justice and Reparations (3)

PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different. Only topics related to ethics will apply to the certificate.

One course outside the list of electives, and perhaps outside the PHI prefix, may be used with written approval of the director of undergraduate studies.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Incompatible Majors: BA in philosophy (morality, politics and law)

Students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies to declare the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/184>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## **Ethnic Studies Certificate (ASETHCERT)**

**Campus:** West

#### **Description:**

The certificate program in ethnic studies, explores the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas. The coursework combines topics in the humanities, arts and social sciences, and instruction is given on methods to critically analyze racial, ethnic, gender and sexual identities, transnational movements, and diverse forms of cultural, literary and political expression.

The certificate program in ethnic studies prepares students for careers or graduate school in a variety of fields, including business, health care, criminal justice, social services, education, public relations, community development, public policy and government.

The certificate in ethnic studies is recommended for graduate students, nondegree students and students majoring in professional programs, and it is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**

The certificate in ethnic studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Up to six credit hours may be shared between the major and the certificate. Up to three credit hours of individualized instruction may be applied toward the certificate. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses -- 6 credit hours

ETH 100: Ethnic and Indigenous Lives (SB & C) (3)

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Upper Division Electives (chose from the following) -- 12 credit hours

ENG 420 / IAS 420: Multicultural Autobiographies ((L or HU) & C) (3)

ENG 462: Africana Literature (HU & G) (3)

ENG 463: African American Literature (3)

ENG 476: Studies in Folklore ((L or HU or SB) & C) (3)

ETH 353 / ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

ETH 354 / ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)

ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)

ETH 428 / AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)

ETH 430 / WST 430: Gender on the Borderlands (SB & G) (3)

ETH 450: Latina/os, Schooling and Social Inequality (C) (3)

ETH 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

ETH 499: Individualized Instruction (3)

HST 419: 20th Century Chicano/a History (C) (3)

SBS 301: Cultural Diversity ((L or SB) & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the certificate is added to the student's program of study.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/ethnic-studies-certificate>

FAB N100

harc sadvising@asu.edu

602-543-3000

## Family Communication Certificate (ASFAMCCERT)

**Campus:** West

**Description:**

The certificate program in family communication focuses on issues affecting communication in the family. This is a valuable certificate for students planning to enter careers or graduate study in fields like psychology, counseling, family studies, social work, medicine or nursing, law, aging, pastoral care, human services, media or communication technology. It complements the current communication program by bringing together an array of courses that have implications for the family unit, such as courses in new media and health. Students also are encouraged to take courses in other disciplines that complement family-related communication courses.

The program is offered by the School of Social and Behavioral Sciences.

**Program Requirements:**

The certificate in family communication consists of 19 credit hours (a minimum of 12 credit hours must be upper division). Six credit hours must come from non-communication coursework. A one credit hour exit portfolio is required and may be taken after a minimum of 12 hours toward the certificate has been completed. Twelve of the 19 credit hours must be ASU courses and six credit hours may be shared with major requirements. Four courses must be selected from at least two content areas listed below. The courses listed are suggested and actual courses should be selected in conjunction with an academic advisor. All courses used to satisfy requirements for the certificate must be passed with a "C" or better.

**Required Courses -- 6 credit hours**

COM 312: Communication, Conflict, and Negotiation or COM 410: Interpersonal Communication Theory and Research (SB) or COM 417: Communication and Aging (3)  
COM 411: Communication in the Family (SB) (3)

**Content Area Courses -- 12 credit hours**

Courses must be selected from at least two content areas listed below (minimum 6 upper-division)

**Community Application**

COM 314: Inner-City Families: The Cycle of Poverty (3)  
COM 484: Internship (3)

**Health and Family Development**

CDE 430: Infant/Toddler Development in the Family (SB) (3)  
COM 417: Communication and Aging (3)  
CRJ 204: Juvenile Justice (3)  
FAS 332: Human Sexuality (SB) (3)  
FAS 436: Sexuality in Mid-Life and Beyond (3)  
PSY 341: Developmental Psychology (SB) (3)  
PSY 443: Abnormal Child Psychology (L or SB) (3)  
PSY 444: Adolescent Psychology and Psychopathology (3)  
PSY 447: Psychology of Aging (SB) (3)  
SOC 312: Adolescence (SB) (3)

**Social and Cultural Elements of the Family**

AFR 370: Family, Ethnic and Cultural Diversity (SB & C) (3)  
ASB 346: Marriage and Family Diversity (SB & C) (3)  
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)  
COM 310: Relational Communication (3)  
COM 316: Gender and Communication (SB & C) (3)  
COM 410: Interpersonal Communication Theory and Research (SB) (3)  
COM 432: Forgiveness and Reconciliation (3)  
FAS 301: Introduction to Parenting (3)  
FAS 331: Marriage and Family Relationships (SB) (3)  
FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)  
FAS 435: Advanced Marriage and Family Relationships (L or SB) (3)  
PSY 385: Psychology of Gender (SB) (3)  
SOC 315: Courtship and Marriage (SB) (3)  
SOC 415: The Family (SB) (3)

**Technology, Media and the Family**

COM 416: Gender and Race in the Media (3)  
COM 424: Television Studies and Criticism (3)  
COM 457: New Media (3)  
COM 471: Global Media and Cultural Identity (G) (3)  
ENG 244: Introduction to Researching Family History (3)  
MCO 473: Sex, Love, and Romance in the Mass Media (SB) (3)

**Family Communication Portfolio -- 1 credit hours**

COM 498: Family Communication Portfolio (1)

Notes: The communication portfolio is a synthesis of the student's family communication academic experience. The portfolio itself integrates each student's experience with theory and concepts from course work. The portfolio may take a variety of forms, to be negotiated by each student and the instructor. This course is to be taken after a minimum of 12 credit hours toward the certificate have been completed.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this

certificate.

**Enrollment Requirements:**

The certificate in family communication is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Social and Behavioral Sciences to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/family-communication-certificate>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Field Geology Certificate (LAFDGCERT)

**Campus:** Tempe

**Description:**

The certificate program in field geology prepares undergraduate students with the core knowledge base and field experience to identify, describe, collect and interpret a variety of types of geological field data.

A strong field-based background is required for many entry-level jobs in resource mining, geotechnical and environmental consulting companies and is a strong asset for acceptance into many graduate research programs in the earth sciences.

**Program Requirements:**

The certificate requires a minimum of 15 credit hours. At least 12 credit hours must be completed in upper-division course work and at least 9 credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by the College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Required Courses -- 9 credit hours

GLG 310: Structural Geology (3)  
GLG 452: Field Geology II (L) (3)  
GLG 455: Advanced Field Geology (3)

Electives (choose two) -- 6 credit hours

GLG 362: Geomorphology (3)  
GLG 420: Volcanology (3)  
GLG 424: Petrology (3)  
GLG 435: Sedimentology (3)  
GLG 489: Field Geochemistry (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Courses not completed at ASU must be approved for use in this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Additional enrollment requirements include completion of the following courses or their equivalencies with a "C" or better (scale is 4.00 = "A"):

GLG 101 Introduction to Geology I (3) and GLG 103 Introduction to Geology I Lab (1) or  
Academic Catalog Archive 2019-2020

SES 121 Earth, Solar System and Universe (3) and SES 123 Earth, Solar System and Universe Lab (1)  
AND GLG 321 Mineralogy (3) and GLG 451 Field Geology I (3).

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/>  
ISTB4 795  
sese-advising@asu.edu  
480-965-5081

## Film and Video Studies Certificate (ASVIDCERT)

**Campus:** West

**Description:**

The certificate program in film and video studies explores film theory and the practice of the moving image. Through this interdisciplinary program, students have an opportunity to develop their interests, skills and understanding of the forms, channels, technologies and histories of the media arts.

Coursework helps students become more astute critics of film and media arts. Students learn about the history of film, television and video arts as well as their place in social, cultural and political expression. This program also helps students strengthen their critical-thinking skills through an analysis of the ongoing philosophical, aesthetic, political and technological debates about film, media and video.

Through this program, students will gain valuable skills for future careers or graduate study in areas such as video and film production, film studies, media studies or digital design.

**Program Requirements:**

The certificate in film and video studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper division hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students choose a focus in either film studies or media and video studies. The film studies emphasis focuses on the impact of film and video. The media and video studies emphasis is concerned with the rendering of film and video. All courses used to satisfy the requirements for this certificate must be passed with a minimum grade of "C" (2.00) or better.

Core Requirement (choose one course) -- 3 credit hours

IAP 201: Introduction to Interdisciplinary Arts (HU) (3)

IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU) (3)

Foundation Requirement (choose one course) -- 3 credit hours

IAP 101: Art, Artist, and Culture (HU) (3)

IAP 102: Foundations I: Performance Techniques and Composition (3)

IAP 103: Foundations I: Interdisciplinary Digital Media (3)

IAP 104: Foundations I: Fundamentals of Sound Art (3)

IAP 105: Foundations I: Fundamentals of Visual Art (3)

**Emphasis Tracks**

Film Studies Emphasis - students will choose six credit hours from the Applied/Practical course list and three credit hours from the Theoretical, Conceptual and Historical course list.

Media and Video Studies Emphasis - students will choose nine credit hours from the Theoretical, Critical, Performance and/or Production course list.

Film Studies Emphasis: Applied/Practical Courses (choose two courses) -- 6 credit hours

COM 429: Semiotics and Visual Communication (3)

IAP 322: Multitrack Digital Recording (3)

IAP 361: Digital Editing and Media Literacy (CS) (3)

IAP 364: Documentaries (3)

IAP 394: Acting for the Camera (3)

IAP 466: Digital Interactivity, Advanced (3)

IAP 467: Acoustic Ecology (3)

IAP 474: Art and Film (L or HU) (3)

Film Studies Emphasis: Theoretical, Conceptual and Historical Courses (choose one course) -- 3 credit hours

ENG 365: History of Film (HU) (3)

IAP 364: Documentaries (3)  
IAP 465: Media Technologies and the Arts (3)  
IAP 473: Aesthetic Research (L or HU) (3)

Media and Video Studies Emphasis: Theoretical, Critical, Performance and/or Production Courses (choose three courses) -- 9 credit hours

COM 429: Semiotics and Visual Communication (3)  
ENG 365: History of Film (HU) (3)  
IAP 334: Conceptual Development in the Arts (3)  
IAP 361: Digital Editing and Media Literacy (CS) (3)  
IAP 363: Sound, Image, and Media (3)  
IAP 364: Documentaries (3)  
IAP 365: Digital Interactivity (3)  
IAP 394: Acting for the Camera (3)  
IAP 465: Media Technologies and the Arts (3)  
IAP 466: Digital Interactivity, Advanced (3)  
IAP 467: Acoustic Ecology (3)  
IAP 469: Advanced Audio Production (3)  
IAP 473: Aesthetic Research (L or HU) (3)  
IAP 474: Art and Film (L or HU) (3)

Capstone -- 3 credit hours

IAP 480: Senior Project (3)

The project should reflect the integration of course work with creative initiative to generate a product that stands alone as a piece of original work. For the Film Studies Emphasis, the project will focus on an intellectual analysis of some dimension of film products, reception, institutions, economics, and so forth.

For the Media and Video Studies Emphasis, the project may be intellectual or creative (performance or production) in nature. Projects will be examined and evaluated by at least one faculty member involved in the film and video studies certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate in film and video studies is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/film-and-video-studies-certificate>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## **Food Industry Management and Marketing Certificate (BAFIMMCERT)**

**Campus:** Polytechnic

#### **Description:**

The certificate program in food industry management and marketing allows business and nonbusiness students the opportunity to acquire specialized business skills, providing them with a competitive advantage for employment with firms and agencies that operate within the global food industry. Upon completion of the program, students will have a deep understanding of the business, economic, and market environments of the global food industry, with particular emphasis on food marketing and distribution. The certificate program explores the role that consumers' food choices and purchases play in the allocation of resources throughout the food chain, from farm to retail.

#### **Program Requirements:**

The food industry management and marketing certificate requires 15 credit hours to complete and is available to all majors. To earn the certificate,

students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or higher. No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Course -- 3 credit hours

AGB 250: Economics of Resource Allocation: Food and Agriculture (3)

Required Marketing Course (choose one) -- 3 credit hours

MKT 300: Marketing and Business Performance (3)

MKT 302: Applied Marketing Management and Leadership (L) (3)

MKT 303: Honors Marketing Theory and Practice (L) (3)

MKT 390: Essentials of Marketing (3)

Electives (choose three) -- 9 credit hours

AGB 394: Current Topics in Food Retaili (3)

AGB 414: Food and Agribusiness Policy Issues (L) (3)

AGB 420: Food Advertising and Promotion (3)

AGB 425: Food Supply Networks (3)

AGB 435: Commodity Futures and Options Markets (3)

AGB 445: Food Retailing (3)

AGB 452: Global Food and Agricultural Trade (3)

AGB 456: Food Product Innovation and Development (3)

AGB 481: Strategic Pricing in Food Markets (3)

AGB 494: NAMA Marketing Plan (3)

BUS 424: Sales and Negotiations (3)

BUS 434: Business Risk Management (3)

The program is offered at ASU's Polytechnic campus, but students may choose to take the entire certificate in iCourse format.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students majoring in food industry management are not eligible to pursue this certificate. All other majors can access and submit the certificate application online at Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Business, W. P. Carey School of

Morrison School of Agribusiness

<https://wpcarey.asu.edu/agribusiness-degrees>

SANTN 230F

[wpcarey.morrison@asu.edu](mailto:wpcarey.morrison@asu.edu)

480-727-1586

## **Geographic Information Science Certificate (LAGISCERT)**

**Campus:** Tempe, Online

#### **Description:**

Geographic information science is one of the fastest growing segments of the economy, and employment possibilities can be found across the private sector as well as in many government agencies. The geographic information science undergraduate certificate program pairs the practical skill of GIS with the conceptual knowledge of geographical problem solving and spatial thinking.

#### **Program Requirements:**

The certificate requires 20 credit hours with a grade of "C" (2.00 on a 4.00 scale) or higher. At least 12 of the 20 credit hours must be upper-division courses.



Geographic Information Science Core -- 11 credit hours

GIS 205: Geographic Information Science I (CS) (3)

GIS 211: Geographic Information Science II (CS) (4)

GIS 311: Geographic Information Science III (CS) (4)

Upper Division GIS Elective Courses -- 6 credit hours

GIS Upper Division Elective (6)

Upper Division Related Coursework -- 3 credit hours

GCU OR GIS OR GPH OR PUP OR CEE OR CSE OR EEE OR EGR OR FSE OR IEE Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The BS in geographic information science is incompatible with this certificate program.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/geographic-information-science-undergraduate-certificate/>)

#### **Contact Information:**

Liberal Arts & Sciences, The College of

School of Geographical Sciences and Urban Planning

<https://sgsup.asu.edu/degree-programs/undergraduate-minors-and-certificates/geographic-information-science>

COOR 5671

SGSUP.advising@asu.edu

480-965-7533

## **Globalization and Culture Certificate (LAGLCCERT)**

**Campus:** Tempe

#### **Description:**

The globalization and culture certificate offers students the opportunity to increase their understanding of the cultural dimensions of globalization, in the context of economic, political and social changes in the world today. The program provides an interdisciplinary approach to understanding the phenomenon of globalization, including the historical, political, cultural and social forces that shape contemporary globalized society. This certificate program draws on courses from several colleges and academic units and emphasizes studies related to the history and culture of globalization, conflict and contact between regions of the world, and questions related to language and identity.

#### **Program Requirements:**

The certificate requires a minimum of 18 credit hours of which at least 12 credit hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Core Course (Choose one) -- 3 credit hours

SGS 360: Cultural Aspects of Globalization (3)

SLC 425: What is Globalization? A History of Contact and Conflict (HU & G) (3)

Culture Course Elective (Choose one) -- 3 credit hours

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)

SLC 120 / CHI 120: Introduction to Chinese Culture (L or HU) (3)

SLC 321 / KOR 321: Modern Korean Literature (HU) (3)

SLC 331 / ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)

SLC 333 / CHI 333 / HST 383: China (SB & H) (3)

SLC 347 / ENG 347 / HEB 347 / JST 347: Modern Israeli Literature in Translation (HU & G) (3)

SLC 348 / HEB 348 / JST 348: Israeli Society and Culture (HU & G) (3)

SLC 421: Japanese Literature in Translation ((L or HU) & G) (3)

SLC 429 / ENG 429 / THE 429: Studies in European Literature and Culture ((L or HU) & G & H) (3)  
SLC 445 / FMS 445 / GER 445 / JST 445: The Holocaust in German-Mediated Memory (3)  
SLC 446 / FMS 446 / GER 446: Weimar-Era German Film (3)  
SLC 447 / GER 447: German Modernism (3)  
SLC 451 / CHI 451 / HST 451: Chinese Cultural History I ((HU or SB) & H) (3)  
SLC 452 / CHI 452 / HST 452: Chinese Cultural History II (SB & G & H) (3)  
SLC 455 / GER 455: Multi-Kulti: Multiculturalism Through Film (G) (3)  
SLC 457 / KOR 457: Premodern Korea in a Global Context (3)  
SLC 465 / GER 465: Intercultural Communicative Competence (3)  
SLC 475 / FMS 475 / SPA 475 / THE 475: Latin American Film ((L or HU) & G) (3)

Politics and Globalization Electives (Choose two) -- 6 credit hours

HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)  
JUS 325 / SGS 325: Globalization and Socio-Economic Justice (SB & G) (3)  
POS 352: European Democracies (3)  
POS 353: Comparative Politics of the Middle East (3)  
POS 356: European Union (SB & G) (3)  
POS 357: South Asia Politics (SB & G) (3)  
POS 358: Southeast Asia (SB & G) (3)  
POS 359: African Politics and Society (SB & G) (3)  
POS 367: World Politics and Global Inequalities (G) (3)  
POS 368: Ethics and Human Rights (3)  
POS 388 / REL 388: Religion, Ethics, and International Politics (3)  
POS 452: China (SB & G) (3)  
POS 453: Latin America (SB & G) (3)  
POS 454: Mexico (SB & G) (3)  
POS 465: International Organization and Law (SB & G) (3)  
REL 107 / SGS 107: Religion and Globalization (HU & G) (3)  
REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)  
SGS 303: Global Trends (SB) (3)  
SGS 330: Globalization and the Environment: Problems and Solutions (3)

Culture and Globalization Related Area (Choose one) -- 3 credit hours

ASB 378 / TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) (3)  
ENG 435: Literatures and Cultures of Immigration and Diaspora (3)  
GCU 241: The Global Economy in Transition (SB & G) (3)  
GCU 323: Geography of Latin America (SB & G) (3)  
GCU 325: Geography of Europe (SB & G) (3)  
GCU 328: Geography of Middle East and North Africa (SB & G) (3)  
GCU 350: The Geography of World Crises (SB & G) (3)  
GCU 432: Geography of China (SB & G) (3)  
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)

Upper-Division Foreign Language Elective -- 3 credit hours

In consultation with an academic advisor in the School of International Letters and Cultures, students choose a target language appropriate to their course of study. Students must complete one upper-division language course in the target language for which 202 or the fourth semester level of the language is a prerequisite.

ARB OR BCS OR CHI OR FRE OR GER OR GRK OR HEB OR HIN OR ITA OR IDN OR JPN OR KOR OR LAT OR PLC OR POR OR RUS OR SPA OR VTN Upper Division Elective (3)

Notes: Some upper-division language courses are more than 3 credits. Other languages may be used with the approval of an academic advisor in the School of International Letters and Cultures.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Hazardous Materials and Waste Management Certificate (TSETMCERT)

**Campus:** Polytechnic

**Description:**

The certificate program in hazardous materials and waste management is designed to provide current and prospective employees of industry and government with a comprehensive and practical curriculum of study in hazardous materials management. The certificate program features instruction by faculty, attorneys and professionals who work in the specific area of which they teach.

**Program Requirements:**

The certificate in Hazardous Materials and Waste Management is available to all ASU students in good academic standing except those pursuing the BS in Environmental and Resource Management. The certificate requires 18 hours. Students must complete six selected courses (four required and two electives) and earn a grade of "C" (2.00 on a scale of 4.00) or higher to receive the certificate.

Core Courses -- 12 credit hours

ERM 203: Environmental Regulations (3)  
ERM 401: Hazardous Waste Management (3)  
ERM 406: Environmental Chemistry (3)  
ERM 407: Occupational Hygiene (3)

Elective Courses -- 6 credit hours

ERM 3\*\* Elective or ERM 4\*\* Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The certificate in hazardous materials and waste management is available to all ASU students in good standing except those pursuing the BS in environmental and resource management.

To add the certificate in hazardous materials and waste management, a student must hold, at minimum, junior status and have at least a cumulative GPA of 2.00.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TSETMCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TSETMCERT/Gedt.pdf>).

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/erm/>  
WANER 230  
polyadvising@asu.edu  
480-727-1874

## Health Care Policy and Delivery Certificate (NHHCPDCERT)

**Campus:** Downtown Phoenix

**Description:**

The certificate in health care policy and delivery connects the businesses of medicine and clinical practice.

The curriculum focuses on the business of medicine, including policy, administration and leadership. Students have the option of selecting an internship course to enhance their application of core concepts. Those with an interest in health and health care are afforded the opportunity to broaden and expand their competitiveness for employment and postgraduate degree programs.

**Program Requirements:**

Required Courses -- 15 credit hours

HCD 302: Health Care Management (3)

HCD 330: Health Care Systems in the U.S. (3)

HCD 401: Leadership and Professionalism (3)

HCD 402: Health Economics (3)

HCD 403: Process Engineering (3)

Elective -- 3 credit hours

HCD 404: Advanced Concepts in the Science of Health Care Delivery (3)

HCD 422: Health Disparities and Access to Health (3)

HCD 484: Internship (3)

PAF 311: Leadership and Change (SB) (3)

PAF 460: Public Service Ethics (3)

In order to complete the certificate, students must complete either ECN 211, ECN 212 or PBH 201.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students must have a minimum GPA of 2.00 in order to add the certificate, and students must earn a minimum grade of 'C' in all courses for the certificate.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/undergraduate>

HLTHN 401AA

chs@asu.edu

602-496-3300

## Health Education Specialist Certificate (NHEDSCERT)

**Campus:** Downtown Phoenix

**Description:**

The health education specialist certificate provides students a pathway to become a certified health education specialist. This nationally and globally recognized credential is based on the Seven Areas of Responsibility, which include competencies and subcompetencies that define the role of the health education specialist, as outlined by the National Commission for Health Education Credentialing. Earning the health education specialist credential showcases competency-based skills and provides professionals a competitive edge, as more employers prefer certified applicants.

Students pursuing or holding a bachelor's degree or graduate-level degree will gain foundational knowledge in the field of public health education and health promotion, including program planning, implementation, evaluation and management, and other certified health education specialist competencies. Students will learn about specific health education strategies for effectively delivering community and school-based health education interventions.

**Program Requirements:**

Required courses -- 24 credit hours

EXW 102: Principles and Foundations of Health Education and Health Promotion (3)

EXW 340: Health Behavior Theory (3)

EXW 348: Methods of Health Education (3)  
EXW 452: Health Advocacy in Health Education (3)  
EXW 454: Health Promotion Program Planning and Implementation (3)  
EXW 456: Health Promotion Program Evaluation (3)  
EXW 466: Health Promotion Program Management and Administration (3)  
EXW 476: Community Health (3)

Certificate Elective -- 1 credit hours

EXW 321: Consumer Health (1)  
EXW 331: Violence Prevention (1)  
EXW 341: Health Education Methods for Injury Prevention (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Students must earn a minimum grade of "C" (2.00) in all courses in the certificate.

In order to receive the certificate, students must complete their bachelor's degree at ASU along with all certificate requirements.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/health-education-specialist>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## **Health Science for the Peace Corps Certificate (NHHSPCCERT)**

**Campus:** Downtown Phoenix

#### **Description:**

The certificate program in health science for the Peace Corps is designed to give students who plan to apply for the Peace Corps a background in the foundational areas of health care: cultural and social determinants of health, public and community health, U.S. and global health systems, and changing health behaviors. Students who complete the certificate program are prepared to provide transdisciplinary perspectives on global health needs.

#### **Program Requirements:**

The certificate requires a minimum of 18 credit hours, of which at least 12 credit hours must be upper division credits. Courses taken as part of a university major may count toward both the degree and the certificate. A grade of C or better must be earned for all courses in the certificate.

HCD 210: Cultural Aspects of Health (C) (3)  
HCD 303: Global Health Care Systems (G) (3)  
HCD 330: Health Care Systems in the U.S. (3)  
HSC 340: Changing Health Behaviors (3)  
IBC 420: Population Health Management (3)  
POP 100: Introduction to Population Health (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

An application to the certificate program is required.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/undergraduate>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Health and Wellness Coach Certificate (NHHWCCERT)

**Campus:** Downtown Phoenix, West

**Description:**

This certificate brings together coursework from the disciplines of exercise and wellness, nutrition, behavioral health and coaching psychology to give students a strong background, perspective and real-life experiences in applied coaching techniques and methods used to decrease and prevent chronic disease risks.

Students learn evidence-based behavior change methodologies and practice coaching communication skills and strategies to influence sustainable healthy lifestyles. They learn to guide groups and individuals through meaningful lifestyle changes by using concepts that emphasize evidence-based coaching and behavioral practices as well as motivational interviewing techniques. Students work with clients using learned health coaching techniques and they develop the knowledge and skills to work with people who require lifestyle management strategies to improve their well-being. Faculty consistently monitor and mentor coaching sessions to provide evaluation and feedback on how students may improve their coaching skills, and a final practical skills evaluation is completed to assess a student's coaching abilities. Coaching skills are addressed synchronously over telephone, in person, or via Skype or some other video platform.

**Program Requirements:**

Students must earn a grade of "C" or better in all courses used in the certificate.

Required Courses -- 21 credit hours

EXW 325: Fitness for Life (3)  
EXW 344: Physical Activity in Health and Disease (3)  
HSC 340: Changing Health Behaviors OR EXW 340: Health Behavior Theory or EXW 342: Health Behavior Change or NTR 350: Nutrition Counseling (3)  
HSC 440: Health Coaching Concepts and Skills (3)  
HSC 441: Applied Health Coaching Techniques (3)  
NTR 241: Human Nutrition (3)  
NTR 355: Eating for Lifelong Health (SB) (3)

Elective Course -- 3 credit hours

EXW 303: Human Sexuality for Health Education (3)  
EXW 312: HIV/AIDS Prevention (1)  
EXW 321: Consumer Health (1)  
EXW 331: Violence Prevention (1)  
EXW 341: Health Education Methods for Injury Prevention (1)  
EXW 350: Substance Abuse and Addictive Behavior (3)  
EXW 351: Substance Abuse Prevention (1)  
EXW 361: Social Media and Marketing in Health Education (1)  
EXW 371: Conflict Management and Mediation (1)  
EXW 380: Body Image and Wellness (3)  
EXW 400: Stress Management for Wellness (3)  
EXW 443: Emotional Health and Interpersonal Relationships (3)  
HCD 340: Complementary Health Care (3)  
HCR 303: Assessing Needs, Assets and Capacity for Health Education (3)  
HCR 342: Mind-Body and Energy Therapies and Modalities (3)  
NTR 345: Development of Healthy Cuisines (3)  
NTR 348: Cultural Aspects of Food (SB & C & G) (3)  
NTR 360: Entrepreneurship and Value Creation (3)  
NTR 450: Nutrition in the Life Cycle (SB) (3)

NTR 457: Sports Nutrition (3)  
PSY 304: Effective Thinking (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/health-and-wellness-coach>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## History and Philosophy of Science Certificate (LAHPSCERT)

**Campus:** Tempe

**Description:**

The undergraduate certificate program in the history and philosophy of science is designed to give students an understanding of the traditional philosophical issues surrounding science and the historical development of concrete scientific theories and ideas.

Philosophical questions about how we understand nature through science and how scientific claims gain authority are enriched when they are considered in a historical context. Such philosophical and historical study also often includes the examination of contemporary sciences and their place within the larger society, including the study of bioethics, policy and law.

This certificate is a valuable addition for students in the sciences or the humanities. It crosses disciplines to help students engage in unfamiliar and familiar paths of inquiry in new and interesting ways. The program is offered by the School of Life Sciences.

**Program Requirements:**

The certificate requires 18 credit hours from the HPS and PHI prefixes. At least 12 credit hours must be completed at the upper-division level and all courses counting toward the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours

PHI 314 / HPS 314: Philosophy of Science (HU) (3)

Electives (choose five) -- 15 credit hours

At least nine credit hours must be taken in upper-division HPS courses. Any upper-division HPS course may be used toward the certificate.

PHI 328: History of Ancient Philosophy (HU & H) (<https://webapp4.asu.edu/catalog/courselist?s=HPS&l=upperdivision&t=2197&hon=F>) > HPS  
Upper Division Elective (9)  
(3)

PHI 329: History of Modern Philosophy (HU & H) (3)

PHI 330: Theory of Knowledge (HU) (3)

PHI 403: Contemporary Analytic Philosophy (HU) (3)

Other elective options may be applied with the approval of an academic advisor in the School of Life Sciences.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a

nondegree-seeking graduate student.

For more information, students should contact the School of Life Sciences.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/>  
LSA 189  
sols.advising@asu.edu  
480-727-6277

## Homeland Security Certificate (PPHSLCERT)

**Campus:** Downtown Phoenix, Online

**Description:**

The 21 credit hour homeland security certificate program provides students with the skills and credentials necessary to prepare them to enter fields specializing in homeland security. Students receive extended education in topics such as domestic and international terrorism, cyber terrorism and advanced crime.

**Program Requirements:**

Required Courses -- 15 credit hours

- CRJ 100: Introduction to Criminal Justice (SB) (3)
- CRJ 201: Criminal Justice Crime Control Policies and Practices (3)
- CRJ 412: International Terrorism (3)
- CRJ 417: Cyber Terrorism (3)
- CRJ 419: Domestic Terrorism (3)

Elective Courses (choose two) -- 6 credit hours

- CRJ 422: Violence in America (3)
- CRJ 455: Police and International Terrorism (3)
- CRJ 456: Etiology of Martyrdom (3)
- CRJ 462: Gangs (3)
- CRJ 463: White Collar Crime (3)
- CRJ 464: Organized Crime (3)

A grade of "C" (2.00 on a 4.00 scale) or better is required for all upper-division course work.

Bachelor of Science in Criminology and Criminal Justice majors who are also pursuing the Homeland Security certificate may not use CRJ 412: International Terrorism, CRJ 417: Cyber Terrorism, CRJ 419: Domestic Terrorism, CRJ 422: Violence in America, CRJ 455: Police and International Terrorism, CRJ 456: Etiology of Martyrdom, CRJ 462: Gangs, CRJ 463: White Collar Crime, and CRJ 464: Organized Crime toward both their major and the certificate. These courses will only be used toward the certificate requirements.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

There are no additional admission requirements other than those required for admission to ASU. Students should meet with an academic advisor from the School of Criminology and Criminal Justice to formally add the certificate to their degree plan.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/undergraduate-certificate-homeland-security/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice



<https://ccj.asu.edu/>  
UCENT 600  
SCCJAdvising@asu.edu  
602-496-2356

## Honors Business Consulting Certificate (BAECNUERT)

**Campus:** Tempe

### **Description:**

This certificate program is designed to enhance a student's knowledge in a major while also adding to the understanding of business strategy in a global market. The required curriculum strengthens skills in business judgment, conceptualization of strategic solutions, critical thinking and problem-solving.

### **Program Requirements:**

The honors business consulting certificate consists of 15 credit hours of ASU coursework. A minimum grade of B must be achieved in each course.

Honors Business Core (select two) -- 6 credit hours

FIN 303: Honors Finance (3)

MGT 303: Honors Organizational Strategies, Leadership, and Behavior (3)

MKT 303: Honors Marketing Theory and Practice (L) (3)

SCM 303: Honors Global Supply Operations (3)

Business Modeling and Analysis Coursework -- 9 credit hours

WPC 494: Consulting in Business (3)

WPC 494: Consulting Projects or WPC 493: Honors Thesis (L) (3)

WPC 494: Modeling Tools in Consulting (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

The certificate is limited to honors students in the W. P. Carey School of Business. Students must submit an application for admission to the program during the spring semester of their sophomore year. The certificate application is accessed and submitted through Advising SOS: <http://wpcarey.asu.edu/> (<https://wpcarey.asu.edu/SOS>)sos (<http://wpcarey.asu.edu/sos>).

Students should contact their Leaders Academy Advisor for more information.

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Business, W. P. Carey School of

Department of Economics

<https://wpcarey.asu.edu/undergraduate-degrees/honors-business-consulting-certificate>

MCRD 102

wpcacademy@asu.edu

480-965-8710

## Human Rights Certificate (LAHRTSCERT)

**Campus:** Tempe

### **Description:**

The certificate program in human rights provides students with historical, legal and philosophical perspectives from which to think broadly and critically about human rights issues. Coursework will prepare students to design solutions to dilemmas in areas such as:

- child welfare
- economic development
- education
- environment
- health
- indigenous rights
- labor rights
- violence against women
- water and energy resources

**Program Requirements:**

Students must complete 18 credit hours of qualifying coursework, of which at least 12 credit hours must be upper-division. At least 12 credit hours must be completed at ASU. Each course must be completed with a minimum grade of "C" (2.00 on a 4.00 scale) or better.

Global Politics of Human Rights (select one course) -- 3 credit hours

JUS 352: The Global Politics of Human Rights (3)

POS 368: Ethics and Human Rights (3)

POS 480: Global Justice (G) (3)

Human Rights Institutions and Organizations (select one course) -- 3 credit hours

JUS 355: Human Rights Organizations and Institutions (3)

LAW 709: International Human Rights (2)

Notes: Barrett Honor Students only.

POS 465: International Organization and Law (SB & G) (3)

SGS 321: International Institutions and Global Governance (3)

Interdisciplinary Component -- 9 credit hours

Upper Division Human Rights Electives (9)

Students select three electives on current issues in human rights. Courses must be taken from at least two of the substantive areas listed below and from two or more academic units. Other course options may be approved by an academic advisor in the School of Social Transformation.

**Marginalization and Human Rights**

AFR 301 / JUS 300: Race and Racism in Africa/African Diaspora (SB & G) (3)

AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)

AIS 455: Human Rights and Cultural Resource Laws (3)

APA 330 / WST 331: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)

HST 369 / HST 369: History and Memory of the Holocaust (3)

JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)

JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)

JUS 456: Human Rights and Sustainability ((L or SB) & G) (3)

JUS 468: Protest, Justice, Law and the Media (SB) (3)

SGS 343 / REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)

WST 313: Women and Sexuality (SB & C) (3)

WST 345: Gender, Religion, and Global Violence (SB & G) (3)

WST 378: Global Feminist Theory (L & G) (3)

**Social Stratification and Human Rights**

AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H) (3)

AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) (3)

AFR 470: Women's International Human Rights (3)

APA 350 / JUS 365: Inequality and Diversity in Education (L & C) (3)

JUS 321: Wealth Distribution and Poverty (SB & C) (3)

JUS 325: Globalization and Socio-Economic Justice (SB & G) (3)

JUS 405: Inequality, Economy and Justice ((L or SB) & G) (3)

JUS 477: Youth and Justice (L or SB) (3)  
POS 471: Constitutional Law I (SB) (3)  
WST 365: Women and International Health (G) (3)

#### States and Conflict

HST 370: Eastern Europe in Transition (SB & G & H) (3)  
HST 436: The Soviet Experiment (SB & G & H) (3)  
JUS 374: The Holocaust, Genocide, and Human Rights (3)  
JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)  
JUS 467: Terrorism, War, and Justice (SB) (3)  
JUS 469: Political Deviance and the Law ((L or SB) & C) (3)  
LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) (3)  
PHI 448: Justice and Reparations (3)  
POS 305: Politics and Film (SB) (3)  
REL 388: Religion, Ethics, and International Politics (3)  
SGS 340: Violence, Conflict and Human Rights (3)  
SGS 341: Humanitarian Crisis and International Intervention (3)  
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)

#### Experiential Learning Component -- 3 credit hours

To better connect classroom learning with practical experience, students will be required to participate in either a for-credit internship with a human rights organization in the U.S. or abroad, or a Research Experience for Undergraduates (REU) under faculty supervision (honors thesis may substitute). A written component to the internship or REU is required.

JUS 484: Internship or JUS 498: Research Apprenticeship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

In order to declare a certificate in human rights, student must first have a minimum of 30 earned credit hours and meet with an academic advisor.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/content/human-rights>  
WILSN 125  
SSTadvising@asu.edu  
480-965-7682

## Informatics Certificate (ESCPICERT)

**Campus:** Tempe

#### Description:

The certificate program in informatics teaches students to use computer technology to gather, synthesize, store, visualize and interpret information. These skills are critical to a broad range of disciplines. This program provides students with an understanding of the capabilities and technologies of informatics as it applies to domain-specific problems in their field of study.

Students completing this program are able to understand and use methods for the basic computational principles behind the operation of:

- communication, networking and interaction
- decision-making and problem-solving
- modeling, inference and visualization
- representing, creating and running routine activities
- storing, indexing and retrieving information

Graduates should be in high demand within the software industry and in government, education, science, medicine and other fields that make use of computer technology. Those with the applied and user-oriented focus of the certificate are attractive to such employers.

**Program Requirements:**

This certificate requires 21 credit hours of coursework. Students will take 15 credit hours of required courses and will select six credit hours of elective coursework. The certificate requires at least 12 credit hours of upper-division coursework.

**Required Courses -- 15 credit hours**

CPI 101: Introduction to Informatics (CS) (3)

CPI 200: Mathematical Foundations of Informatics (MA) (3)

CPI 220: Applied Data Structures and Algorithms (3)

CPI 350: Evaluation of Informatics Systems (3)

IEE 380: Probability and Statistics for Engineering Problem Solving (CS) or STP 420: Introductory Applied Statistics (CS) (3)

**Elective Courses -- 6 credit hours**

AME 394: Philosophies of Technology (3)

AME 394: Programming the Internet of Things (3)

ART 345: Visualization and Prototyping (3)

ART 346: 3-D Computer Imaging and Animation (CS) (3)

ART 435: Foundry Research Methods (3)

BIO 355: Introduction to Computational Molecular Biology (CS) (3)

BMI 102: Introduction to Public Health Informatics (3)

BMI 201: Introduction to Clinical Informatics (3)

CIS 300: Web Design and Development (3)

CIS 308: Advanced Excel in Business (3)

CIS 365: Business Database Systems Development (3)

CPI 310: Web-Based Information Management Systems (3)

CPI 360: Decision Making and Problem Solving (3)

CPI 394: Special Topics (3)

CPI 460: Intelligent Interactive Instructional Systems (3)

CPI 494: Special Topics (3)

CSE 220: Programming for Computer Engineering (3)

CSE 240: Introduction to Programming Languages (3)

CSE 259: Logic in Computer Science (3)

ENG 374: Technical Editing (3)

GIT 135: Graphic Communications (3)

GIT 215: Introduction to Web Authoring (3)

GIT 230: Digital Illustration in Publishing (3)

GIT 335: Computer Systems Technology (3)

HSE 101: Introduction to Human Systems Engineering (SB) (3)

MAT 267: Calculus for Engineers III (MA) (3)

MAT 275: Modern Differential Equations (MA) (3)

MAT 300: Mathematical Structures (L) (3)

MAT 421: Applied Computational Methods (CS) (3)

SER 216: Software Enterprise: Personal Process and Quality (3)

SER 334: Operating Systems and Networks (3)

SOC 334: Technology and Society (L or SB) (3)

SOS 424: Dynamic Modeling in Social and Ecological Systems (4)

STS 304: Science, Technology, and Society (SB) (3)

STS 306: Social Effects of Science and Technology (SB) (3)

TEL 313: Technology in an Educational Setting (3)

TWC 414: Visualizing Data and Information (3)

TWC 444: User Experience (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The undergraduate certificate in informatics is available to all students who are in good standing at ASU and may be used by interdisciplinary studies BA students as part of their degree program. Students need to submit an undergraduate certificate form to the School of Computing, Informatics and Decision Systems Engineering Academic Advising Center located in Centerpoint, room 105. This form is available on the registrar's website. Interdisciplinary studies students need to contact their advisor to add the informatics concentration to their degree program.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computing and Informatics Program  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/certificates/informatics/>  
CTRPT 105  
cidse.undergrad@asu.edu  
480-965-3199

## Innovation for Impact Certificate (FIIFICERT)

**Campus:** Tempe

**Description:**

The innovation for impact certificate program enables students to cultivate the knowledge, skills and critical dispositions necessary to leverage the power of innovation and achieve personally meaningful and socially significant impact. The program is grounded in the belief that each of us can do great things.

Students learn the tools and concepts to synthesize research from courses across disciplines in social sciences, humanities, natural sciences and engineering --- from across the university as well as around the globe. Students identify a problematic condition or aspirational future and work with peers, mentors and the community to produce innovations that cultivate a better future for society.

**Program Requirements:**

FIS 201: Innovation in Society (H) (3)

FIS 305: Ways of Knowing (L) (3)

FIS 307: Navigating Futures (SB) (3)

FIS 371: Innovation for Impact: Impact Journey (1)

FIS 372: Innovation for Impact: Inquiry Journey (1)

FIS 373: Innovation for Impact: Innovation Journey (1)

FIS 481: Innovation for Impact: Application Journey (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Any student admitted to study at ASU may complete a certificate program. To apply to the university, students should complete the Admission Services online application. Students should contact the School for Innovation in Society for more information about completing the certificate program.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu>  
INTDSB 256  
sfisadvising@asu.edu  
480-727-8787

## Integrated Behavioral Health Certificate (NHIBHCERT)

**Campus:** Downtown Phoenix

**Description:**

The undergraduate certificate program in integrated behavioral health is designed to prepare students to pursue careers in fields within health care in order to facilitate mental and physical health behavior change. The curriculum focuses on theories, evidence-based practice and health care

outcomes that support the effective delivery of behavioral health integration in order to achieve the Triple Aim as stated by the Institute for Healthcare Improvement, which includes improved cost of care, improved patient experience of care, and improved population health management.

**Program Requirements:**

Required courses -- 12 credit hours

HSC 340: Changing Health Behaviors (3)

IBC 410: Behavioral and Mental Disorders (3)

IBC 425: Cognitive and Behavioral Counseling (3)

IBC 430: Medical Pathophysiology, Terminology and Behavioral Health (3)

Elective Course (choose one) -- 3 credit hours

IBC 415: Behavioral Health Over the Lifespan (3)

IBC 420: Population Health Management (3)

A minimum grade of 'C' is required for all courses in the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: 2.00

Students in most majors may pursue a certificate in order to supplement and specialize their education further. A student wishing to pursue the integrated behavioral health certificate should consult their academic advisor to ensure that the appropriate set of courses is taken. They should also consult with the academic advisor to determine if the certificate is appropriate given their identified major.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/integrated-behavioral-health>

HLTHN 401AA

chs@asu.edu

602-496-3300

## Interdisciplinary Health Humanities Certificate (LAIHHUCERT)

**Campus:** Tempe, West

**Description:**

The certificate program in interdisciplinary health humanities brings humanities methodologies to analyses of health and medicine in order to address challenges in health policy and health care practice and to advance understandings of the cultural formations of health, illness and the body.

The curriculum includes courses in areas such as history of medicine, bioethics, disability studies, socio-cultural aspects of health and narrative medicine, and includes critical analyses of representations of health and illness in literature and other media as well as training in narrative and structural competency for health care professionals. An internship or applied project also offers experiential or project-based learning in this field.

**Program Requirements:**

The interdisciplinary health humanities certificate requires a total of 15 credit hours. A minimum of 12 upper-division credit hours is required, with at least nine of these taken in classes offered by the College of Liberal Arts and Sciences for students on the Tempe campus or the School of Humanities, Arts and Cultural Studies in the New College of Interdisciplinary Arts and Sciences on the West campus.

All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Core Course -- 3 credit hours

ENG 203: Introduction to Health Humanities (3)

Notes: available on the Tempe and West campuses

Electives (select three) -- 9 credit hours

AFR 383: Blacks in Science, Medicine and Public Health (3)  
ASB 301: Global History of Health (SB & G & H) (3)  
ASB 305: Poverty and Global Health ((L or SB) & G) (3)  
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)  
ASB 355: Traditional Medicine and Healing (HU or SB) (3)  
BIO 312 / IAS 340 / PHI 320: Bioethics (HU) (3)  
BIO 315 / ENG 370: Science, Values, and the Public (3)  
ENG 469: Science and Literature (L or HU) (3)  
FIS 498: Stem Cell Policy Research (3)  
FOR 406 / IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)  
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing (3)  
HPS 314 / PHI 314: Philosophy of Science (HU) (3)  
HPS 331 / BIO 318: History of Medicine (HU & H) (3)  
LSC 363: Genes, Race, Gender, and Society (L) (3)  
MED 300: Historical and Contemporary Issues in Health (L) (3)  
PHI 306: Applied Ethics (HU) (3)  
REL 381: Religion and Moral Issues (L or HU) (3)  
SOC 400: Perspectives on Aging (SB) (3)  
SOC 448: Epidemics and Society (SB & G) (3)  
TCL 323: Latino Health Issues (SB & C) (4)  
TCL 410: Race, Medicine, and the Body (L) (3)  
WST 444: Gender, Health, and Bodies (SB) (3)

Capstone Experience (select one) -- 3 credit hours

ENG 484: Internship (3)  
ENG 499: Individualized Instruction (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Some elective courses may be available only on the Tempe campus or the West campus.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## **International Business Certificate (BAIBSCERT)**

**Campus:** Tempe

#### **Description:**

Students can expand their horizons and opportunities by learning about the global economy. The certificate program is designed to help students develop competence in a foreign language and sensitivity to foreign cultures. It provides an awareness of global social processes and an understanding of international business environments, principles and operations.

The W. P. Carey School of Business has partnerships with universities all over the world, so students can experience new cultures, visit new places and build intercultural and language skills. International internships also are offered in conjunction with the ASU Study Abroad Office.

#### **Program Requirements:**

This certificate program requires a minimum of 18 credit hours (at least 12 credit hours must be upper-division). All business coursework must be completed through the W. P. Carey School of Business or through an approved ASU international study program.

Only courses in which a student receives a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements, and an

overall certificate GPA of at least 2.50 must be earned.

Students must meet all course prerequisites and requirements as listed in the ASU catalog. Requirements must be met within one year after degree conferral date.

International Business Core Course -- 3 credit hours

MGT 302: Principles of International Business (G) or ECN 306: Survey of International Economics (SB & G) (3)

A. International Business Electives -- 6 credit hours

ECN 331: Economics of the European Economic Union (SB & G) (3)

ECN 335: South Asia and the World Economy (SB & G) (3)

ECN 360: Economic Development (SB & G) (3)

ECN 365: Economics of Russia and Eastern Europe (SB & G) (3)

ECN 436: International Trade Theory (SB & G) (3)

ECN 438: International Monetary Economics (SB & G) (3)

FIN 456: International Financial Management (G) (3)

MGT 400: Cross-Cultural Management (C & G) (3)

MGT 425: Global Human Resources (3)

MGT 459: International Management (G) (3)

MKT 425: Global Marketing Management (G) (3)

SCM 463: Global Supply Chain Management (G) (3)

\*300+ level WPC-prefixed courses earned on a sponsored ASU Study Abroad program may be applied toward the IBC elective area, per approval of the international programs coordinator. Courses applied toward the W. P. Carey business core cannot be used toward the IBC elective area.

B. Nonbusiness Global Awareness Coursework -- 9 credit hours

Nonbusiness Global Awareness Coursework (9)

Notes: These hours may be satisfied by any combination of the following:

1. Students can choose any of the university-designated nonbusiness global awareness ("G") courses.
2. One course must be upper-division to meet the 12 upper-division hours requirement.
3. Recommended: It is recommended to choose courses related to the area of study abroad experience. Additional courses may be approved by the international program coordinator.
4. Nonbusiness global awareness hours may also be satisfied by:

\* An ASU or W. P. Carey School of Business education abroad program earning six credit hours or more fulfills six of the credit hours of nonbusiness global requirements.

\* An ASU or W. P. Carey School of Business education abroad program earning three credit hours fulfills three of the credit hours of nonbusiness global requirements.

C. Foreign Language Proficiency

The certificate program requires students to meet a foreign language proficiency by meeting one of the the following:

- Completion of one year (two semesters) of the same foreign language at the college level.
- Completion of one semester of the equivalent of 101- and 102-level course work.
- Completion of two years of the same foreign language in high school with a minimum grade of "C" (2.00 on a 4.00 scale).
- Documentation of a proficiency test confirming preparedness to start at least the second year of a foreign language (201 level or above).
- A student whose native language is not English may have this requirement waived.

D. International Study Experience

The certificate program requires students to participate in an ASU Study Abroad Office sponsored program. Students cannot use independent non-sponsored programs to fulfill this requirement. Sponsored programs can be found on the Study Abroad Office website at

<https://mystudyabroad.asu.edu/>.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate application is accessed and submitted through Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>). Students should contact the department for more information.

No more than 6 credit hours may be shared between certificate and other degree programs, minors, or other certificates.



A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information on this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/BAIBSCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/BAIBSCERT/Gedt.pdf>).

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees/international-business-certificate>  
BA 160  
wpcglobalprograms@asu.edu  
480 9654227

## International Cinema Certificate (LAICINCERT)

**Campus:** Tempe

**Description:**

The power of international cinema lies in its ability to underscore national differences and engage diverse viewpoints.

The certificate in international cinema provides undergraduates with the means to explore and understand the role that international film plays in highlighting cultural diversity, reflecting the sociocultural, political and economic currents of the period and cultural setting depicted and calling into question an accepted idea of the dominance of Hollywood film.

Following an integrated pathway through the variety of international film courses, the certificate explores facets of international film history and production not often covered by American programs in film studies. Students majoring in a second language can explore a particular culture's filmic heritage and traverse avenues for comparative analysis between the filmic heritage of two or more cultures. Students majoring in other areas can encounter visual narratives different from their own and connect international cinema to their own respective experiences.

**Program Requirements:**

The certificate requires 18 credit hours of upper-division coursework. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Core Course -- 3 credit hours

SLC 340: Approaches to International Cinema (HU & G) (3)

Elective Courses (choose five) -- 15 credit hours

CHI 345: Chinese Film and Civilization (3)

FMP 404: World Cinema (G) (3)

FMS 426: Films of India (3)

FMS 427: Identity and World Film (C) (3)

FMS 430: Artists in Film: Artists' Biopics (3)

FMS 441: Global Cinema (HU & G) (3)

GER 445 / FMS 445 / SLC 445: The Holocaust in German-Mediated Memory (3)

GER 446 / FMS 446 / SLC 446: Weimar-Era German Film (3)

GER 455: Multi-Kulti: Multiculturalism Through Film (G) (3)

HEB 349: Israeli Wars in Israeli Movies (HU & G) (3)

ITA 420: Italian Cinema (L & G) (3)

KOR 347: Korean Film and Literature (HU) (3)

SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G) (3)

SLC 450: Experimental Narrative (3)

SPA 475: Latin American Film ((L or HU) & G) (3)

THE 422: Latina and Latino Theatre and Film (HU & C) (3)

Additional upper-division elective courses may be approved by the coordinator of the certificate program.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

ASU students in sophomore standing or above with at least a 2.50 GPA in any degree program will be eligible for the international cinema certificate program. Admission to the certificate program will be approved by the certificate coordinator in consultation with advisors.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## International Studies Certificate (LAINSCERT)

**Campus:** Tempe

**Description:**

The international studies certificate program is designed to prepare students for careers in government agencies, international governmental and nongovernmental organizations, multinational firms and banks, and for graduate studies in international relations or political science. The certificate is not a substitute for degree requirements in any subject, including political science; rather, the required courses add an international and comparative dimension to the student's chosen major.

**Program Requirements:**

The certificate in international studies is comprised of 15 credit hours in political science and global studies. At least 12 credit hours must be in upper-division coursework and at least six of those credit hours must be from courses offered by the College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses used toward the certificate.

Foundations for International Studies -- 3 credit hours

POS 150: Comparative Government (SB & G) (3)

POS 160: Global Politics (SB & G) (3)

The U.S. in the World -- 3 credit hours

POS 361: American Foreign Policy (SB & G) (3)

POS 364: National Security, Intelligence, and Terrorism (SB) (3)

Contemporary Issues in International Studies -- 6 credit hours

POS 300: Contemporary Global Controversies (SB & G) (3)

POS 368: Ethics and Human Rights (3)

POS 465: International Organization and Law (SB & G) (3)

POS 467: International Security (SB & G) (3)

POS 486: International Political Economy (SB & G) (3)

SGS 301: Principles of Global Studies (G) (3)

SGS 303: Global Trends (SB) (3)

Regional or Topical Exploration -- 3 credit hours

POS 350: Comparative Politics (SB & G) (3)

POS 351: Democratization (SB & G) (3)

POS 352: European Democracies (3)

POS 353: Comparative Politics of the Middle East (3)

POS 356: European Union (SB & G) (3)

POS 357: South Asia Politics (SB & G) (3)

POS 358: Southeast Asia (SB & G) (3)

POS 359: African Politics and Society (SB & G) (3)

POS 360: World Politics (SB & G) (3)

POS 452: China (SB & G) (3)

POS 453: Latin America (SB & G) (3)

POS 454: Mexico (SB & G) (3)

POS 468: Comparative Asian Foreign Policies (SB & G) (3)

## SGS 360: Cultural Aspects of Globalization (3)

Only one of POS 160 Global Politics and POS 360 World Politics may apply to the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

Students should contact the School of Politics and Global Studies for more information about completing the international studies certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
spgs@asu.edu  
480-965-8563

## **Islamic Studies Certificate (LAISLCERT)**

**Campus:** Tempe

### **Description:**

The certificate in Islamic studies allows students to gain an appreciation of Islam's multiculturalism and contemporary relevance in multiple geographic settings. The program is designed to prepare students for graduate programs in religious studies, Islamic studies and area studies and for any academic discipline or career, such as international law and business, that focuses on the global Muslim society.

### **Program Requirements:**

The certificate in Islamic studies requires a minimum of 26 credit hours. At least 12 upper-division hours are required. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required in each course used toward the certificate.

Core -- 9 credit hours

REL 260: Introduction to Islam (HU & G) (3)

REL 365: Islamic Civilization (HU & H) (3)

REL 366: Islam in the Modern World (HU & G) (3)

Language Requirement -- 8 credit hours

Students will take either two semesters (eight credit hours) of Arabic or two semesters (10 credit hours) of Indonesian.

ARB 101: Elementary Arabic I (G) (4)

ARB 102: Elementary Arabic II (G) (4)

IDN 101: Elementary Indonesian I (5)

IDN 102: Elementary Indonesian II (5)

Students who are native speakers of these languages or other Islamic languages, such as Farsi, or who have other equivalent knowledge may substitute eight credit hours of additional coursework selected from the list of approved electives.

Elective Courses -- 9 credit hours

Students must choose electives that represent at least two of three geographic regions. The available geographic regions are Africa and the Middle East, America and Europe, and Asia. No more than one course from the "non-geographic" list may apply toward the certificate. It is recommended that students work with an academic advisor in the School of Historical, Philosophical and Religious Studies to select appropriate elective courses.

Africa and the Middle East

AFR 300: Precolonial Africa (SB & G & H) (3)

AFR 340: The Making of Modern Africa (SB & G & H) (3)

AFR 466: Peoples and Cultures of Africa (SB & G) (3)

ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)

ARB 335: Arabic Culture and Islam (G) (3)

ARB 337: Hadith and Prophetic Tradition (3)

ARB 341: Quran Text and Women (HU & H) (3)  
ARB 351: Classical Arabic Literature (3)  
ARB 352: Modern Arabic Literature in Translation (3)  
ASB 366: African Archaeology: Precolonial Urban Culture (SB & H) (3)  
GCU 328: Geography of Middle East and North Africa (SB & G) (3)  
HST 307: Studies in African History (H) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
POS 353: Comparative Politics of the Middle East (3)  
POS 359: African Politics and Society (SB & G) (3)  
REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)  
REL 369: Women in Islam (3)  
REL 461 / AFR 480 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)

#### America and Europe

GCU 426: Geography of Russia and Surroundings (SB & G) (3)  
REL 310: Western Religious Traditions (HU & H) (3)  
REL 364: Islam in Eurasia and Central Asia (3)  
REL 377: Religion in Russia (HU & H) (3)  
SGS 394: The Kosovo War (3)  
SPA 425: Foundational Texts of Spain (L or HU) (3)  
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

#### Asia

ASB 325: Peoples of Southeast Asia (G) (3)  
GCU 326: Geography of Asia (SB & G) (3)  
GCU 433: Geography of Southeast Asia (3)  
HST 106: Asian Civilizations ((HU or SB) & G & H) (3)  
HST 111 / REL 111: Introduction to Asia (HU & H & G) (3)  
HST 240 / GCU 240 / POS 240 / REL 240 / SGS 240: Introduction to Southeast Asia ((HU or SB) & G) (3)  
HST 245 / POS 245 / REL 245 / SGS 245 / SLC 245: Introduction to India and South Asia (HU & H & G) (3)  
HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)  
HST 392: Modern India (3)  
REL 347: Peace and Conflict in India ((L or HU) & G) (3)  
REL 348: Religion and Culture in Southeast Asia (3)  
REL 364: Islam in Eurasia and Central Asia (3)

#### Non-geographic

ARB 336: Introduction to the Qur'an (3)  
HST 302: Gender and Sexuality in Islam ((HU or SB) & G & H) (3)  
HST 302: Jews, Christians & Muslims in Early Modern World ((HU or SB) & G & H) (3)  
HST 302: Women, War and Peace ((HU or SB) & G & H) (3)  
POS 364: National Security, Intelligence, and Terrorism (SB) (3)  
REL 205: Life, Sex and Death (HU) (3)  
REL 363 / AFR 373: Islam and World Affairs (G) (3)  
REL 378: Religion, War and Peace (L) (3)  
REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)  
REL 390: Women, Gender and Religion (HU & G) (3)  
REL 460: Studies in Islamic Religion (HU & G) (3)  
REL 480: Religion and Global Politics (L & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

Students wishing to add the certificate in Islamic studies to their plan of study must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies. Students who complete all the requirements of their undergraduate major, their college and the certificate program receive the certificate plus transcript recognition of its completion.

There are no specific admission requirements other than a student's desire to learn about Islam and Islamic societies and culture.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a

nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/islamic-studies>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Jewish Studies Certificate (LAJUDCERT)

**Campus:** Tempe

**Description:**

The Jewish studies certificate program examines the history and culture of the Jews, generates and facilitates research on Judaica, and provides a model for transdisciplinary teaching and research. The program provides the community with programs, courses and research to further the understanding of Judaica and stands as an example of the university's commitment to a program of meaningful ethnic studies on a firm academic base.

**Program Requirements:**

The certificate in Jewish studies requires a minimum of 21 credit hours in approved course work. At least 12 upper-division hours are required. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required in each course used toward the certificate.

Language Requirement -- 6 credit hours

Students must complete two semesters of the same language (6-8 credit hours).

ARB 101: Elementary Arabic I (G) AND ARB 102: Elementary Arabic II (G) (8)

GER 101: Elementary German I (G) AND GER 102: Elementary German II (G) (8)

HEB 101 AND HEB 102: Elementary Modern Hebrew (G) (8)

HEB 131: Biblical Hebrew I AND HEB 132: Biblical Hebrew II (6)

SPA 101: Elementary Spanish I AND SPA 102: Elementary Spanish II (8)

Thematic Track Electives (choose three courses) -- 9 credit hours

Students choose one course in three of five thematic tracks. Available tracks include history, humanities, literature, religious studies and social studies. At least six credit hours must be upper-division course work. (9)

History

HEB 375: Contemporary Culture of Israel (HU & G) (3)

HST 304: History of Antisemitism (SB & H) (3)

HST 304: Jews, Christians, & Muslims in Medieval Europe (SB & H) (3)

HST 304: Jews and Christians in the Middle Ages (SB & H) (3)

HST 304: Rebirth of European Jewish Life after 1950 (SB & H) (3)

HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)

HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)

HST 372: Modern Middle East (SB & G & H) (3)

HST 436: The Soviet Experiment (SB & G & H) (3)

JST 210 / REL 210: Introduction to Judaism (HU & H) (3)

JST 211 / HST 211 / REL 211: Jews and Judaism in America (SB & H) (3)

JST 230 / HST 230 / REL 230: Introduction to Jewish Civilization (HU & H & G) (3)

JST 304: Studies in European History (SB & H) (3)

JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)

JST 315 / REL 315: Hebrew Bible (Old Testament) ((L or HU) & H) (3)

JST 347 / HEB 347 / SLC 347: Modern Israeli Literature in Translation (HU & G) (3)

JST 369 / HST 369 / REL 312: History and Memory of the Holocaust (3)

JST 491: History of Antisemitism (3)

REL 410: Judaism in Modern Times (HU & H) (3)

Humanities

ENG 356: The Bible as Literature (HU) (3)

HEB 349: Israeli Wars in Israeli Movies (HU & G) (3)

JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)

JST 315 / REL 315: Hebrew Bible (Old Testament) ((L or HU) & H) (3)

JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)  
JST 318 / REL 318: Contemporary American Jewish Identities ((HU or SB) & C) (3)  
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)  
JST 445 / FMS 445 / GER 445 / SLC 445: The Holocaust in German-Mediated Memory (3)  
JST 459 / SLC 459 / SPA 459: Latin American Jewish Culture (3)  
JST 496: Biblical Narratives: Literary Approaches (3)  
REL 313: Anti-Semitism in the Media (3)  
REL 410: Judaism in Modern Times (HU & H) (3)

#### Literature

ENG 356: The Bible as Literature (HU) (3)  
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)  
JST 347 / HEB 347 / SLC 347: Modern Israeli Literature in Translation (HU & G) (3)  
JST 411 / HEB 411 / REL 411: Judaism and the Beginnings of Christianity (HU & H) (3)  
JST 459 / SLC 459 / SPA 459: Latin American Jewish Culture (3)  
JST 496: Biblical Narratives: Literary Approaches (3)

#### Religious Studies

JST 210 / REL 210: Introduction to Judaism (HU & H) (3)  
JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)  
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)  
JST 318 / REL 318: Contemporary American Jewish Identities ((HU or SB) & C) (3)  
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)  
JST 369 / HST 369 / REL 312: History and Memory of the Holocaust (3)  
JST 491: History of Antisemitism (3)  
JST 495: Judaism, Science and World Religions (3)  
JST 496: Biblical Narratives: Literary Approaches (3)  
REL 207: Ritual, Symbol, and Myth (L or HU) (3)  
REL 310: Western Religious Traditions (HU & H) (3)  
REL 313: Anti-Semitism in the Media (3)  
REL 385: Contemporary Western Religious Thought (HU) (3)

#### Social Studies

HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)  
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
JST 211 / HST 211 / REL 211: Jews and Judaism in America (SB & H) (3)  
JST 318 / REL 318: Contemporary American Jewish Identities ((HU or SB) & C) (3)  
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)  
JUS 374: The Holocaust, Genocide, and Human Rights (3)  
STS 364: Science, Technology, and National Security (SB) (3)

#### Upper-Division Electives -- 6 credit hours

Students choose upper-division electives from any of the thematic track course lists (the electives may be from any combination of thematic tracks).

#### Upper Division Certificate Electives (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

Incompatible Majors: BA in Jewish studies

Students wishing to pursue the certificate in Jewish studies must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies and make a formal declaration of intent through the submission of the certificate in Jewish studies application.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/187>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Korean Studies Certificate (LAKORCERT)

**Campus:** Tempe

### **Description:**

The certificate in Korean studies aims to train and produce students who are linguistically capable and culturally informed.

The program consists of two major components. The first builds students' Korean language proficiency in the areas of speaking, listening, reading and writing. The second offers students a broad range of knowledge of the culture, literature, history, art and religions of Korea. The certificate allows students to focus on Korean studies.

The program will enrich students' perspectives on different cultures and societies at the intellectual level and also equip them with practical knowledge of Korea that will benefit careers in various professions, including academia, government work, international trade, nongovernmental organizations and translation.

### **Program Requirements:**

The certificate in Korean studies requires a minimum of 22 credit hours, of which at least 12 must be completed at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 22 credit hours

Students must choose one two-course sequence from KOR 101, KOR 102, KOR 201, KOR 202, for a total of 10 credit hours. Course substitutions may be permitted for heritage speakers and other advanced speakers of the Korean language based on their proficiency level as determined by the Korean Placement Test.

KOR 101: First-Year Korean I (5)

KOR 102: First-Year Korean II (5)

KOR 201: Second-Year Korean I (G) (5)

KOR 202: Second-Year Korean II (G) (5)

KOR 321: Modern Korean Literature (HU) (3)

KOR 347: Korean Film and Literature (HU) (3)

KOR 350: Women of Korea (H) (3)

KOR 354: Religions of Korea (HU) (3)

Additional courses may be approved in consultation with an academic advisor in the School of International Letters and Cultures or the coordinator of the certificate. The completion of the requirements will be reviewed both by the students' designated advisors and the coordinator of the program. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

ASU students admitted to a degree program in any field of study are eligible for the Korean studies certificate program. Students should contact the School of International Letters and Cultures for more information about completing the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Latin American Studies Certificate (LALASCERT)

**Campus:** Tempe

**Description:**

The Latin American studies certificate is designed to give students an understanding of the culture, economies, political structures and history of Latin American nations. The program combines six courses across disciplinary boundaries to provide a diverse perspective of the Latin American experience. The Department of Economics, the School of Geographical Sciences and Urban Planning, the School of Historical, Philosophical and Religious Studies, the School of Politics and Global Studies, the School of Human Evolution and Social Change, the School of International Letters and Cultures (Spanish and Portuguese) and the School of Transborder Studies offer courses that comprise the transdisciplinary certificate.

**Program Requirements:**

The certificate requires a minimum of 18 credit hours of Latin American studies content coursework. At least 12 upper-division credit hours must be completed from coursework offered by the College of Liberal Arts and Sciences. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

**Language Requirement**

Students must demonstrate Spanish or Portuguese proficiency through the 313 level of conversation and composition. The language proficiency requirement may be waived for native speakers or those with in-field experience equivalent to SPA 313 or POR 313.

Language instruction courses dealing with Spanish and Portuguese conversation and composition cannot be used to satisfy the content course requirement. While students are encouraged to enroll in language instruction courses (i.e., conversation and composition) above the 313 level, they cannot apply such course work to the Latin American studies certificate course requirements.

**Latin American Content Course Requirements -- 18 credit hours**

Students will take 18 upper-division credit hours (six courses) from the list of undergraduate Latin American content courses. Students are required to select nine credit hours (three courses) from within their major and nine credit hours (three courses) outside their major.

- ARS 362: Survey of Aztec, Maya and Inka Art (HU) (3)
- ASB 322: Peoples of Latin America ((L or SB) & G) (3)
- ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H) (3)
- GCU 323: Geography of Latin America (SB & G) (3)
- GCU 424: Geography of Mexico and Middle America (SB & G) (3)
- HST 305: Studies in Latin American History (SB & H) (3)
- HST 331 / TCL 331: Mexican American History to 1900 (SB & H & C) (3)
- HST 375: Colonial Latin America (SB & H) (3)
- HST 376: Modern Latin America (SB & H) (3)
- HST 441: Latin America and the World Economy (L & G & H) (3)
- HST 443: The United States and Latin America (SB & G & H) (3)
- HST 445: 20th-Century Cuba (SB & G & H) (3)
- HST 447: Modern Mexico (SB & H) (3)
- POR 472: Luso-Brazilian Civilization (HU & G) (3)
- POS 305: Politics and Film (SB) (3)
- POS 453: Latin America (SB & G) (3)
- POS 454: Mexico (SB & G) (3)
- SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)
- SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) (3)
- SPA 429: Writing Mexico: Major Texts ((L or HU) & G) (3)
- SPA 456: 20th-Century Spanish American Fiction (3)
- SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)
- SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)
- SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)
- SPA 475 / SLC 475: Latin American Film ((L or HU) & G) (3)
- TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU & C) (3)
- TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)
- TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU & C & G) (3)
- TCL 444: The Ethnography of Mexico and the Borderlands (SB & G) (3)
- THE 426: Pre-Columbian Theatre of the Americas (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**



Any student admitted to study at ASU may complete a certificate program.

For more information, students should contact the School of International Letters and Cultures: <https://silc.asu.edu/degrees>  
(<https://silc.asu.edu/degrees>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Law and Human Behavior Certificate (PPLWHBCERT)

**Campus:** Downtown Phoenix, Tempe, West

**Description:**

"Law and human behavior" is an umbrella term that encompasses various aspects of forensic psychology, law and justice. This rapidly emerging field examines how the justice system intersects with the mental health professions. This 18-credit hour certificate program focuses on the criminal justice aspects of forensic psychology, emphasizing victimology, offender treatment, criminal incapacity, mental health law, juvenile justice and delinquency, and the dynamics of how the criminal justice system intersects with behavioral science. The program is designed to provide students of social services and social sciences with an understanding of important but understudied areas where justice policy is in desperate need of empirical, psychological research.

**Program Requirements:**

Required Core -- 12 credit hours

CRJ 260: Substantive Criminal Law (3)

CRJ 410: Procedural Criminal Law (3)

PSY 366: Abnormal Psychology (SB) (3)

PSY 468: Psychology and Law (3)

Electives (choose two from outside of one's major) -- 6 credit hours

CRJ 309: Criminology (SB) (3)

CRJ 403: Victims and the Criminal Justice System (3)

CRJ 406: Sex Crimes (3)

CRJ 434: Drugs of Abuse (3)

CRJ 435: Crime and Forensic Mental Health (3)

CRJ 484: Internship (1-6)

Notes: Only those relevant to law and human behavior

CRJ 494: Special Topics (3)

Notes: Only those relevant to law and human behavior

PSY 341: Developmental Psychology (SB) (3)

PSY 368: Forensic Psychology (3)

PSY 443: Abnormal Child Psychology (L or SB) (3)

PSY 472: Clinical Psychology (3)

PSY 474: Correctional Psychology (3)

PSY 494: Special Topics (3)

Notes: Only those relevant to law and human behavior

1. It is the student's responsibility to check the prerequisites required by courses in their discipline.
  2. Special Topics courses (CRJ 494 and PSY 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the law and human behavior certificate program.
  3. At least 12 credit hours must be taken in-residence at ASU.
  4. A "C" (2.00 on a 4.00 scale) or better is required in all core and elective course work required for the certificate.
  5. Bachelor of Science in Criminology and Criminal Justice majors who are also pursuing the Law and Human Behavior certificate may not use CRJ 309, CRJ 403, CRJ 406, CRJ 410, CRJ 434, CRJ 435, CRJ 484, and CRJ 494 towards both their degree and certificate.
- Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students must complete the following prerequisite courses with a grade of "C" or higher (scale is 4.00 = "A") in order to enroll in the certificate program. These courses may be taken in-residence at ASU or may be transferred in from other institutions, including community colleges. Because these courses are requirements for the bachelor's degree program in psychology or criminology and criminal justice, their completion satisfies not only requirements of these two majors, but also the prerequisite requirements for enrollment in the certificate program in law and human behavior.

Completion of the following prerequisite courses with grades of C or higher are required for enrollment in the certificate program:

- CRJ 100 Introduction to Criminal Justice
- PSY 101 Introduction to Psychology
- First-Year Composition (ENG 102, 105 or 107)
- a course which meets the General Studies MA requirement (MAT 117, 119, 142, 170, 210 or 270)

one of the following two-course sequences in statistics and research methods:

- CRJ 302 and 303, or
- PSY 230 and 290

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu>  
UCENT 600  
SCCJAdvising@asu.edu  
602-496-2356

## Leadership and Ethics Certificate (PPLDECERT)

**Campus:** Downtown Phoenix

**Description:**

The certificate program in leadership and ethics focuses on understanding the broad transdisciplinary field of leadership and its application to various elements of society and community, and it prepares individuals for positions of leadership and responsibility in the university, in student organizations, in their communities and throughout their careers in business and government.

**Program Requirements:**

The certificate in leadership and ethics requires four core courses (12 credit hours), including a leadership capstone experience, plus one elective discipline-based course in leadership or ethics (3 credit hours). The three credit hours of elective course work may be selected from an approved list of elective classes or upon the recommendation of the department.

All courses applied to the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Core Courses -- 12 credit hours

- PAF 311: Leadership and Change (SB) (3)
- PAF 410: Building Leadership Skills (SB) (3)
- PAF 421: Leadership Capstone (3)
- PAF 460: Public Service Ethics (3)

All core courses and the leadership capstone must be taken at Arizona State University. Any course substitutions for the certificate are at the discretion of the School of Public Affairs.

Elective Course (choose one) -- 3 credit hours

- COM 430: Leadership in Group Communication (3)
- HON 497: Honors Colloquium (3)
- MGT 300: Organization and Management Leadership (3)
- NLM 430: Managing Nonprofit Organizations (L) (3)
- PAF 420: Public Leadership (3)
- POS 314: The American Presidency (SB) (3)

certificate.

**Enrollment Requirements:**

Students are encouraged to schedule an appointment with the undergraduate academic advisor in the School of Public Affairs.

Current students interested in earning the certificate must complete a request to add an undergraduate certificate and return it to the undergraduate academic advisor in the School of Public Affairs at the University Center on the Downtown Phoenix campus. Students may begin taking courses before they formally register for the certificate; however, they are encouraged to complete the paperwork as soon as possible.

Those interested may download the request to add an undergraduate certificate located at <https://students.asu.edu/forms/undergraduate-certificate> (<https://students.asu.edu/forms/undergraduate-certificate>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/undergradminors>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Leadership in Business Certificate (BALIBCERT)

**Campus:** Polytechnic, Tempe, West

**Description:**

The leadership in business certificate program is designed to help students understand the concept of leadership, to cultivate their leadership identity and to understand how the development of their leadership skills will impact their professional development. Through this program, students will develop a strong set of skills necessary for success in a dynamic workplace, skills that include communication, teamwork and collaboration, and problem-solving.

**Program Requirements:**

Required Courses -- 6 credit hours

MGT 310: Collaborative Team Skills (3)

MGT 411: Leading Organizations (3)

Leadership Development Electives (minimum 3 upper-division) -- 6 credit hours

COM 225: Public Speaking (L) (3)

COM 259: Communication in Business and the Professions (3)

COM 312: Communication, Conflict, and Negotiation (3)

COM 319: Persuasion and Social Influence (SB) (3)

COM 400: Organizational Communication (HU & C) (3)

JUS 325: Globalization and Socio-Economic Justice (SB & G) (3)

MGT 303: Honors Organizational Strategies, Leadership, and Behavior (3)

MGT 400: Cross-Cultural Management (C & G) (3)

MGT 430: Negotiations (3)

MKT 302: Applied Marketing Management and Leadership (L) (3)

PAF 311: Leadership and Change (SB) (3)

PAF 410: Building Leadership Skills (SB) (3)

PAF 420: Public Leadership (3)

USL 210: Service Learning: Intro to Diverse Community Issues (L & C) (3)

Cultural Competency Elective -- 3 credit hours

JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)

LES 380: Consumer Perspective of Business Law (3)

MCO 460: Race, Gender, and Media (C) (3)

PHI 336: Social and Political Philosophy (HU) (3)

PHI 360: Business and Professional Ethics (HU) (3)

PHI 406: Moral Dilemmas (L or HU) (3)  
REL 366: Islam in the Modern World (HU & G) (3)  
REL 381: Religion and Moral Issues (L or HU) (3)  
REL 480: Religion and Global Politics (L & G) (3)  
SBS 301: Cultural Diversity ((L or SB) & C) (3)  
SOC 334: Technology and Society (L or SB) (3)  
SOC 339: Grassroots Social Movements (SB) (3)  
SOC 342: Mexico-U.S. Borderlands (SB & C) (3)  
SOC 352: Social Change (SB & G & H) (3)  
SOC 363: Men and Masculinity (SB) (3)  
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)  
TCL 328: U.S. Latino Religion and Culture (HU & C) (3)  
WST 300: Women and Gender in Contemporary Society (SB & C) (3)  
WST 331: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)  
WST 365: Women and International Health (G) (3)  
WST 467: Ethnic Women Writers (HU & C) (3)  
WST 471: Women's International Human Rights (3)  
WST 485: Women, Gender, and Leadership (SB & C) (3)

Complete four co-curricular experiences (all pending approval of the certificate coordinator):

1. Complete an approved internship. This requirement must be completed after approval to add the certificate.
2. Approved leadership position on an executive board with a registered ASU club or organization.
3. Approved leadership role in support of the W. P. Carey School of Business or ASU community:

(WPC 101 Facilitator, WPC Peer Advisor, Camp Carey Director, Leadership Through Action (Tillman Program), USG Position, Community Assistant, Residential Engagement Leader, A.P.P.L.E., Connectors Mentor, other petition-approved activity).

4. ASU-affiliated study abroad program OR 75 hours of service learning or community service.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

This certificate is only open to students in the W. P. Carey School of Business. Students may apply for this certificate once they have completed MGT 310 Collaborative Team Skills (3) and at least one of the co-curricular experiences (excluding the required internship). The certificate application is accessed and submitted online at Advising SOS: <http://wpcarey.asu.edu/s> (<https://wpcarey.asu.edu/SOS>)os (<http://wpcarey.asu.edu/sos>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Business, W. P. Carey School of  
Department of Management and Entrepreneurship  
<https://wpcarey.asu.edu/undergraduate-degrees/business-leadership-certificate>  
BA 170  
wpcareyug@asu.edu  
480-965-4227

## **Leadership, Ethics and Service Certificate (PPLETSCERT)**

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

#### **Description:**

The leadership, ethics, and service certificate program includes coursework with an emphasis on values, ethics, leadership and public service. In addition to in-class instruction, the program includes a service learning component during the summer and out-of-classroom activities.

#### **Program Requirements:**

Coursework -- 15 credit hours

CRD 435: Service Learning for Community Development (3)

NLM 235: Leadership and Ethics (3)

NLM 410: Social Entrepreneurship (3)

PAF 400: Senior Capstone Project (3)

PAF 410: Building Leadership Skills (SB) (3)

A "C" (2.00 on a 4.00 scale) or better is required in all upper-division course work

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students interested in this certificate should contact the Watts College of Public Service and Community Solutions by calling 602-496-0600.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://publicservice.asu.edu/>

UCENT 780

[copp@asu.edu](mailto:copp@asu.edu)

602-496-0600

## **Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)**

**Campus:** Downtown Phoenix

#### **Description:**

The certificate program in lesbian, gay, bisexual, and transgender studies offers students a multifaceted understanding of this section of society.

Lesbians, gay men, bisexuals and transgender people play important roles as colleagues, clients, parents, children, siblings, neighbors, employees, employers, religious leaders and friends. Given the increasing visibility and changing political climate for LGBTQ people in the United States, all students, not only those who identify themselves as gay, lesbian, bisexual or transgender, are served well by learning about the histories, communities and contemporary social issues regarding people from LGBTQ backgrounds.

The educational experience is enhanced when students are introduced to complex intersections between and among sexual, racial, ethnic, religious, geographic and national identities. The philosophy of this certificate program in lesbian, gay, bisexual and transgender studies is to promote intellectual and pedagogical diversity as one of the university's greatest assets, and this is done, in part, by instilling in students a sensitivity to cultures different from their own and through careful analysis of the self in historical, artistic and sociocultural contexts.

The goals of the certificate program are to give students knowledge about the history, evolution of and current issues facing the LGBTQ community; practical experience utilizing coursework knowledge in the community through an internship or community service project; and theoretical perspectives on heterosexuality as a presumptive sexual identity. Students gain an understanding of lesbian, gay, bisexual and transgender studies as an academic area of inquiry; an understanding of community politics, dynamics and conflicts; and engages in a use-inspired education that culminates in a public presentation.

#### **Program Requirements:**

The certificate requires 15 credit hours; a minimum of 12 must be upper-division.

Required Course (choose one) -- 3 credit hours

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) (3)

WST 294: Sex, Gender, and Sexuality (3)

Electives -- 9 credit hours

AFR 375: Race, Gender and Sport (SB & C) (3)

AFR 394 / JUS 394 / WST 394: Gender and Hip Hop (3)

APA 210: Introduction to Ethnic Studies in the U.S. (C) (3)

APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)

APA 345: Asian Pacific Americans and Film (HU & C & H) (3)  
ARS 485: Women in the Visual Arts (L) (3)  
ASB 210: Human Sexuality: Anthropological Perspectives (SB & G) (3)  
Notes: Only BIS students may use additional lower-division courses  
ASB 346: Marriage and Family Diversity (SB & C) (3)  
BIS 350: Diversity and Organizations (L & C) (3)  
Notes: Student must pick LGBT focus for course project and receive approval from certificate advisor.  
COM 316: Gender and Communication (SB & C) (3)  
COM 421: Rhetoric of Social Issues (HU) (3)  
COM 442: Identity, Performance, and Human Communication (3)  
COM 494: Gender in the Media (3)  
ENG 345: Transgender and Intersex Literature and Film (3)  
ENG 440: Sexuality (HU) (3)  
ENG 454: Gender and Literature (L or HU) (3)  
FAS 264: Gender and Society (SB & C) (3)  
FAS 332: Human Sexuality (SB) (3)  
FAS 498: Transgender Youth and Families (3)  
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)  
JUS 371: Sexuality and Social Justice (3)  
JUS 427: Identity and Justice (L) (3)  
JUS 435: Cinema and Justice (3)  
MIC 314: HIV/AIDS: Science, Behavior, and Society (3)  
SST 494: Transformational Leadership and Embodied Activism (3)  
SWU 291: Social Service Delivery Systems (3)  
SWU 374: Diversity and Oppression in a Social Work Context (C) (3)  
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)  
THE 494: Queer Plays and Films (3)  
WST 100: Women, Gender, and Society (SB & C) (3)  
Notes: Only BIS students may use additional lower-division courses. Credit is only allowed for WST 100 or 300  
WST 300: Women and Gender in Contemporary Society (SB & C) (3)  
Notes: Credit is only allowed for WST 100 or 300  
WST 313: Women and Sexuality (SB & C) (3)  
WST 335: Lost in Space: Gender, Race, and Sexuality in Science Fiction (3)  
WST 380: Race, Gender, and Class (SB & C) (3)  
WST 460: Women and the Body (SB & C) (3)  
WST 470: Gender and Popular Culture (HU & C) (3)  
WST 477: Women and Violence (SB & C) (3)

Capstone -- 3 credit hours

All students will complete a three-credit-hour capstone experience after completing a minimum of nine credit hours in the certificate program. The capstone experience will be supervised by any member of the faculty approved by the Lesbian, Gay, Bisexual, and Transgender Studies Committee.

Capstone Course (3)

Notes: Select capstone course with consultation of LGBT advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students interested in admission to the certificate program should meet with an academic advisor in the School of Social Transformation as soon as possible in order to complete a certificate declaration form and to select courses that most appropriately meet students' individual needs.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/node/1703>  
WILSN 125

## Mathematical Concepts of Engineering Certificate (LAMACECERT)

**Campus:** Tempe, Online

### **Description:**

The certificate program in mathematical concepts of engineering is designed for students who seek a strong foundation in mathematics to support their studies in engineering. Combining a core foundation in the quantitative and analytical skills found in the field of mathematics with related skills in engineering fields, the program provides students with a solid mathematical background well-suited for multiple career paths.

### **Program Requirements:**

The mathematical concepts of engineering certificate requires a minimum of 21 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least nine credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by the College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Required Courses -- 18 credit hours

IEE 380: Probability and Statistics for Engineering Problem Solving (CS) (3)

MAT 266: Calculus for Engineers II (MA) (3)

MAT 267: Calculus for Engineers III (MA) (3)

MAT 275: Modern Differential Equations (MA) (3)

MAT 343: Applied Linear Algebra (3)

STP 420: Introductory Applied Statistics (CS) (3)

Electives (choose one) -- 3 credit hours

IEE 381: Lean Six Sigma Methodology (3)

IEE 385: Engineering Statistics: Probability (3)

IEE 470: Stochastic Operations Research (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

Students must have completed MAT 265 or MAT 270 with a "C" or higher prior to enrolling in the certificate program. Students also must be in good academic standing with a minimum cumulative grade point average of 2.00.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/mathematical-concepts-engineering-undergraduate-certificate/>)

### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>  
WXMLR 211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Medieval and Renaissance Studies Certificate (LAMRSCERT)

**Campus:** Tempe

### **Description:**

The Arizona Center for Medieval and Renaissance Studies has established a certificate program for undergraduate students interested in medieval and Renaissance studies which reflects the transdisciplinary nature of the field.

The program provides students the opportunity to take classes from several disciplines and to receive training in Latin, the international language of the periods, and other early vernacular languages. Completion of the certificate program prepares undergraduate students for advanced study in their fields.

### **Program Requirements:**

In addition to the coursework and examinations required in a student's major field of study, students must complete a minimum of 18 credit hours to earn the certificate. The certificate requires a thesis. At least 12 credit hours must be upper-division. At least six upper-division credit hours must be in courses offered by the College of Liberal Arts and Sciences. All courses must be completed with a minimum grade of "C" (2.00 on a 4.00 scale).

Language Requirement (choose two) -- 6 credit hours

Students complete two semesters of Classical Latin or Biblical Hebrew in any combination (6-8 credit hours).

HEB 131: Biblical Hebrew I (3)

HEB 132: Biblical Hebrew II (3)

HEB 231: Biblical Hebrew III (3)

HEB 232: Biblical Hebrew IV (3)

LAT 101: Elementary Latin (4)

LAT 102: Elementary Latin (4)

LAT 201: Intermediate Latin I (HU) (4)

LAT 202: Intermediate Latin II (HU) (4)

Upper-Division Language (choose two) -- 6 credit hours

ENG 416: Chaucer in Middle English (HU) (3)

ENG 494: Viking Language and Culture (3)

FRE 321: French Cultural Masterpieces I ((L or HU) & H) (3)

LAT 301: Roman Authors (3)

LAT 322: Medieval Latin (3)

LAT 421: Roman Literature (HU) (3)

Electives (choose two) -- 6 credit hours

Medieval and Renaissance Studies electives must be chosen from courses outside the student's major discipline.

APH 313: History of Architecture I ((L or HU) & G & H) (3)

APH 314: History of Architecture II ((L or HU) & G & H) (3)

APH 414: Great Cities ((L or HU) & H) (3)

ARB 341: Quran Text and Women (HU & H) (3)

ARB 351: Classical Arabic Literature (3)

ARS 394: Ancient Art and Culture (3)

ARS 394: Art of Italian Renaissance (3)

ARS 414: Monasteries, Madonnas and Manuscripts (HU & H) (3)

ARS 418: German Renaissance and Reformation Art (HU) (3)

ARS 422: Italian High Renaissance Art and Mannerism (HU) (3)

ARS 494: Art of the Inka and their Ancestors (3)

ASB 326: Human Impacts on Ancient Environments (SB & H) (3)

CHI 321: Chinese Literature (HU) (3)

ENG 315: Medieval Literature in Translation (HU) (3)

ENG 320: Medievalism in Modern Culture (3)

ENG 320: Vikings, Hobbits & Ragnarok: Tolkien Medieval Sources (3)

ENG 321: Shakespeare (L or HU) (3)

ENG 326: English Drama 1660-1800 (HU) (3)

ENG 345: Literature and Music (3)

ENG 413: History of English Language (HU) (3)

ENG 415: Studies in Medieval Literature and Culture (HU) (3)

ENG 416: Chaucer in Middle English (HU) (3)

ENG 421: Studies in Shakespeare (L or HU) (3)

ENG 423: Renaissance Drama (L or HU) (3)

ENG 424: Milton (HU) (3)

ENG 476: Folklore & Oral Traditions ((L or HU or SB) & C) (3)

ENG 494: Viking Language and Culture (3)

FRE 321: French Cultural Masterpieces I ((L or HU) & H) (3)

FRE 415: French Civilization I (HU) (3)

GER 315: Germanic Mythology (HU & G) (3)

GER 421: German Literature Survey, 800-1800 (HU) (3)

GER 441: Fairy Tales (HU & G) (3)



HPS 322: History of Science (HU & H) (3)  
 HST 304: Black Death: Pandemic Disease in the Medieval World (SB & H), Jews and Christians in the Middle Ages (SB & H), Renaissance and Reformation (SB & H), The Age of Machiavelli (SB & H) (3)  
 HST 309: Exploration and Empire ((L or HU) & H) (3)  
 HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H) (3)  
 HST 349: Early Middle Ages ((HU or SB) & H) (3)  
 HST 350: Later Middle Ages ((HU or SB) & H) (3)  
 HST 351: Renaissance Europe ((L or HU or SB) & H) (3)  
 HST 352: Europe's Reformations ((L or HU or SB) & H) (3)  
 HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)  
 HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)  
 HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) (3)  
 HST 366: England to 1689 (SB & H) (3)  
 HST 375: Colonial Latin America (SB & H) (3)  
 HST 387: Japan ((L or SB) & H) (3)  
 HST 388: Japan (SB & G & H) (3)  
 HST 406: American Revolution/1763-1789 (SB & H) (3)  
 HST 423: The Tudor Monarchy (SB & H) (3)  
 HST 424: The Stuart Monarchy (SB & H) (3)  
 HST 452 / CHI 452 / SLC 452: Chinese Cultural History II (SB & G & H) (3)  
 ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (3)  
 LAT 301: Roman Authors (3)  
 LAT 322: Medieval Latin (3)  
 LAT 421: Roman Literature (HU) (3)  
 MHL 341: Music History I (HU) (3)  
 MHL 342: Music History II (HU) (3)  
 MHL 437: Music in the Baroque Era (3)  
 REL 365: Islamic Civilization (HU & H) (3)  
 REL 382: Magick, Religion and Science (L or HU) (3)  
 SPA 425: Foundational Texts of Spain (L or HU) (3)  
 SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)  
 SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)  
 THE 320: History of the Theatre I (HU & H) (3)  
 THE 321: History of the Theatre II (HU & H) (3)  
 THE 322: Theatre History and Culture (HU & H) (3)  
 THE 421: Shakespeare: Stage and Film (L or HU) (3)

#### Thesis

The certificate requires a thesis of approximately 25 pages in length, written within the student's major discipline for an upper-division course on a topic concerning the Middle Ages or Renaissance. The thesis may be used to fulfill the thesis requirement for students enrolled in Barrett, the Honors College. Students may use no more than three credit hours of individualized instruction courses toward the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

Any student admitted to a degree program at ASU may complete a certificate program. Students should contact the Arizona Center for Medieval and Renaissance Studies for more information and to complete the online application <https://acmrs.org/academic-programs/certificate/undergrad> (<https://acmrs.org/academic-programs/certificate/undergrad>). To schedule an advising appointment, students should visit <https://acmrs.org/academic-programs/certificate/advising> (<https://acmrs.org/academic-programs/certificate/advising>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Contact Information:

Liberal Arts & Sciences, The College of  
 Historical, Philosophical & Religious Studies, Sch  
<https://acmrs.org/academic-programs/certificate>  
 COOR 4432  
 acmrs@asu.edu  
 480-965-8097

## Modern Hebrew Certificate (LAHEBCERT)

**Campus:** Tempe

### **Description:**

The certificate program in modern Hebrew provides students with a firm foundation in modern Hebrew language and a broad knowledge of Israeli culture, leading to advanced skills in reading, writing and conversing in modern Hebrew. The certificate program includes study of the Israeli culture, literature, politics and history. It enriches students' knowledge of the Middle East and offers them deeper understanding of current affairs. Students pursuing careers in foreign policy, international business, tourism, media, translation and in different levels of education will benefit from this certificate program.

### **Program Requirements:**

The certificate requires 20 credit hours. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher. A minimum of 12 credit hours must be completed at the upper-division level and a minimum of 12 credit hours must be earned at ASU or in an ASU-approved study abroad program.

Required Courses -- 14 credit hours

HEB 201: Intermediate Modern Hebrew (G) (4)

HEB 202: Intermediate Modern Hebrew (G) (4)

HEB 313: Advanced Modern Hebrew (G) (3)

HEB 314: Advanced Modern Hebrew (G) (3)

Electives (choose two) -- 6 credit hours

HEB 347 / JST 347 / SLC 347: Modern Israeli Literature in Translation (HU & G) (3)

HEB 348 / JST 348 / SLC 348: Israeli Society and Culture (HU & G) (3)

HEB 349: Israeli Wars in Israeli Movies (HU & G) (3)

HST 372: Modern Middle East (SB & G & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

ASU students admitted to a degree program in any field of study will be eligible to enroll in the modern Hebrew certificate program. In order to be admitted to the certificate program, students must complete HEB 101 and 102 Elementary Modern Hebrew to satisfy the requirements to enroll in HEB 201 Intermediate Modern Hebrew.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Liberal Arts & Sciences, The College of

School of International Letters and Cultures

<https://silc.asu.edu/degrees/undergrad/minor-certs>

LL 440

[silcadvising@asu.edu](mailto:silcadvising@asu.edu)

480-965-6281

## Nonprofit Professional Certificate (PPNPYCERT)

**Campus:** Downtown Phoenix

### **Description:**

This nationally recognized certificate program awards qualified students from diverse academic fields with the National Certified Nonprofit Professional credential. The CNP credential is awarded through the Nonprofit Leadership Alliance (formerly American Humanics, Inc.), a consortium of universities, nonprofits and funders that are committed to preparing students for management careers in the nonprofit sector: <https://www.certifiedtochangetheworld.org/> (<https://www.certifiedtochangetheworld.org/>).

The NLA/ASU program provides curricular and cocurricular programs that prepare students through its competency-based, experiential educational framework. The program is ideal for students wishing to complement their majors with a strong core of nonprofit management knowledge and skills

through professional affiliation with and certification by the Nonprofit Leadership Alliance, the nation's leader in education for nonprofit careers. NLA collaborates with a number of national nonprofit organizations as well as locally based grassroots organizations that actively seek NLA and ASU program interns and job candidates.

#### **Program Requirements:**

The program includes active participation by nonprofit professionals who offer workshops, seminars, mentoring and field trips. The certified nonprofit professional credential can be earned in conjunction with any bachelor's degree and requires successful participation in cocurricular, experiential activities in addition to required academic course work. For more information on the credential please visit: NLM 220: Introduction to Nonprofit Organizations (<https://www.certifiedtochangetheworld.org/> ><https://www.certifiedtochangetheworld.org/>)

Required Courses -- 24 credit hours

(3)

NLM 300: Fund Raising and Resource Development (3)

NLM 310: Volunteer Management (3)

NLM 320: Professional Development Seminar (4)

Notes: (one credit each, over four semesters)

NLM 420: Nonprofit Leadership Alliance Institute (2)

Notes: Fall Only

NLM 430: Managing Nonprofit Organizations (L) (3)

NLM 463: Senior Internship or NLM 484: Internship (6-12)

Notes: NLM 463 (12) credits required. NLM 484 (6) credits required.

\*NLM 484 Internship is for students not pursuing a Nonprofit Leadership and Management major.

#### **Standards**

1. 24-30 hours of graded course work depending upon major.
2. minimum "C" (2.00 on a 4.00 scale) grade required for all classes in the certificate.
3. minimum GPA of 2.00 for those pursuing the certificate.
4. should be a junior to take 400-level courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Applications for the Certified Nonprofit Professional certificate are available through School of Community Resources and Development academic advisors and the Nonprofit Leadership Alliance senior program coordinator.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/PPNPYCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/PPNPYCERT/Gedt.pdf>).

#### **Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## **Oral History Certificate (ASOHCCERT)**

**Campus:** West

#### **Description:**

The certificate program in oral history introduces the interdisciplinary theories and methods required to collect, document and preserve the stories of people's lives. Through the program, students gain an understanding of and appreciation for diverse cultures, past and present, and engage in oral history research and interviewing. Students may build on existing projects or develop new community relationships at local, national and international levels.

With the knowledge and skills to abide by the professional standards involved in oral history documentation, research and presentation, students leave the program better prepared for graduate programs or careers that integrate oral history.

The program is offered by the School of Humanities, Arts and Cultural Studies.

#### **Program Requirements:**

The certificate in oral history consists of 15 upper division credit hours. A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students should consult an academic advisor to select appropriate courses. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

HRC 310: Social and Cultural Studies: Method and Theory (C) (3)

HRC 480: Capstone: Practices and Approaches (L) (3)

Electives -- 9 credit hours

AMS 330: American Lives (HU & C) (3)

ASB 389 / SBS 389 / SOC 389: Ethnographic Field Lab (3)

COM 342: Oral History and Storytelling (3)

ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)

ENG 361: Scriptwriting (3)

ENG 476: Studies in Folklore ((L or HU or SB) & C) (3)

ETH 310: Critical Research Methods (SB) (3)

IAP 331: Performance, Acting, and the Individual (3)

IAP 361: Digital Editing and Media Literacy (CS) (3)

IAP 363: Sound, Image, and Media (3)

IAP 364: Documentaries (3)

IAP 371: Verbal Art (3)

IAP 464: Media and Diversity (HU & G) (3)

IAP 469: Advanced Audio Production (3)

IAP 494: Advanced Video Production (3)

WST 370: Chronicling Women's Lives (HU & C) (3)

WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate program in oral history is open to all ASU undergraduate majors. This certificate is also available for graduate students and students majoring in professional programs. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/oral-history-certificate>

FAB N100

harcсадvising@asu.edu

602-543-3000

## **Peace Corps Prep Certificate (LSPCPRCERT)**

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

#### **Description:**

The Peace Corps prep certificate program is designed to foster intellectual curiosity in international development while enhancing the competitiveness of Peace Corps applicants.

The program has six sectors, comprising education, youth development, health, environment, community and economic development and agriculture, with the unifying mandatory course IDS 355 Peace Corps Seminar. To enhance the three core competencies, sector-specific skills, intercultural competence and leadership, students are encouraged to participate in service learning, internship opportunities, and study abroad experience.

### **Program Requirements:**

The Peace Corps Prep certificate requires a minimum of 18 credit hours (at least 12 credit hours must be upper division) as outlined below. Students are encouraged to take courses that develop breadth within their sector rather than limiting their selection to courses in one particular subject area.

Applicants should contact an academic advisor in the College of Integrative Sciences and Arts or the Peace Corp liaison at ASU by emailing [pcrepcoordinator@asu.edu](mailto:pcrepcoordinator@asu.edu) (mailto:pcrepcoordinator@asu.edu).

Required Courses -- 6 credit hours

IDS 355: Peace Corps Seminar (3)

USL 402: Service Learning: Education & Youth (C) or USL 410: Service Learning: Diverse Community Issues (L & C) (3)

Electives (Choose one of the six sectors below) -- 12 credit hours

Program Sector Electives (12)

Students will select 12 credit hours from one of the six program sectors in agriculture, community and economic development, education, environment, health and youth development. A minimum of six credit hours must be upper-division, and one upper-division elective course must have a General Studies awareness area of G (Global Awareness) or C (Cultural Diversity). Please see your academic advisor for a complete list of sector specific courses.

Agriculture Sector

Examples of electives include, but are not limited to:

AGB 100: Introduction to Agribusiness (3)

AGB 250: Economics of Resource Allocation: Food and Agriculture (3)

AGB 302: International Management and Agribusiness (G) (3)

AGB 425: Food Supply Networks (3)

AGB 452: Global Food and Agricultural Trade (3)

ASB 300: Food and Culture ((L or SB) & C) (3)

Community and Economic Development Sector

Examples of electives include, but are not limited to:

ABS 364: Urban Forestry (3)

BIO 324: Environmental Ethics (HU) (3)

BIO 434: People and Nature: Ecosystem Services (3)

ECN 360: Economic Development (SB & G) (3)

GCU 364: Energy in the Global Arena (SB & G) (3)

SCN 309: Environmental Education Project (1)

SOS 327: Sustainable Food and Farms (3)

Education Sector

Examples of electives include, but are not limited to:

AFR 350: Inequality and Diversity in Education (L & C) (3)

ECD 321: Emerging Language and Literacy (3)

ECS 315: Classroom Organization and Child Guidance (3)

HCR 402: Advocacy for Health and Health Education (3)

SOC 421: Education and Society (SB) (3)

SPF 301: Culture and Schooling (L) (3)

Environment Sector

Examples of electives include, but are not limited to:

ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G) (3)

BIO 320: Fundamentals of Ecology (3)

BIO 322: Conservation of Biodiversity (3)

GPH 314: Global Change (HU & G) (3)

SOS 326: Sustainable Ecosystems (3)

Health Sector

Examples of electives include, but are not limited to:

ASB 301: Global History of Health (SB & G & H) (3)

ASB 305: Poverty and Global Health ((L or SB) & G) (3)

ASM 345: Disease and Human Evolution (3)  
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) (3)  
HCD 310: Health Communication (3)

#### Youth Development Sector

Examples of electives include, but are not limited to:

ASB 346: Marriage and Family Diversity (SB & C) (3)  
NLM 300: Fund Raising and Resource Development (3)  
NLM 310: Volunteer Management (3)  
PRM 315: Community Recreation Systems (3)  
SOC 241: Modern Social Problems (SB) (3)  
SWU 456: Immigrants and Refugees (C) (3)

Service Learning is required. Please visit the Service Learning Web Page (<https://communityengagement.education.asu.edu/programs/university-service-learning>) for questions regarding placement and enrollment.

Foreign language study to at least the 200-level is encouraged but not required.

For Peace Corps placements in Spanish or French-speaking countries, foreign language proficiency at the 200-level is often required.

Study abroad or international experience is encouraged but not required. Please consider Taste of Peace Corp in the Dominican Republic during spring break with Dr. Hirshorn as a substitute for IDS 355 requirement.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Applicants should contact an advisor in the College of Integrative Sciences and Arts for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
USE 138  
CISA@asu.edu  
480-965-4464

## **Personal Fitness Training Certificate (NHPFITCERT)**

**Campus:** Downtown Phoenix

#### **Description:**

The personal fitness training certificate program provides students with the knowledge, skills and competencies they need to develop and instruct personalized fitness programs for the general population with the goal of improving overall health and fitness or reducing the risk of developing more chronic health conditions.

After completion of the certificate, students have the ability to obtain an entry-level personal training or group fitness certification through any accredited association. This program does not prepare students to work with clients with special needs or existing health conditions.

#### **Program Requirements:**

Required Courses -- 15 credit hours

EXW 215: Resistance Training and Recovery Instructional Laboratory (3)  
EXW 217: Fitness and Flexibility Instructional Laboratory (3)  
EXW 302: Fundamentals of Wellness (L) (3)  
EXW 320: Management and Leadership in Exercise and Wellness (3)

EXW 335: Physical Activity and Fitness Concepts (3)

Elective (choose one course) -- 3 credit hours

EXW 344: Physical Activity in Health and Disease (3)

EXW 400: Stress Management for Wellness (3)

EXW 410: Obesity Perspectives and Prescriptions (3)

Students must earn a minimum grade of "C" (2.00) in all courses in the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

The following prerequisite courses are needed in order to complete the requirements of this certificate: BIO 160 Introduction to Anatomy and Physiology (4); PSY 101 Introduction to Psychology (3).

#### **Enrollment Requirements:**

GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/personal-fitness-training>

HLTHN 401AA

chs@asu.edu

602-496-3300

## **Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)**

**Campus:** West

#### **Description:**

The certificate in philosophy, rhetoric and literature is an interdisciplinary humanities program that integrates continental philosophy and religion, critical theory, rhetoric, literary criticism, aesthetics and communication. Through coursework, students examine philosophical approaches to literary studies, conflicts between rhetoric and philosophy, and rhetorical elements of literature and theory.

This program will prepare students for advanced study in the humanities, social and behavioral sciences, and the arts as well as lifelong learning in a variety of fields. The program is offered by the School of Humanities, Arts and Cultural Studies.

#### **Program Requirements:**

The certificate in philosophy, rhetoric and literature consists of 15 upper division credit hours. The certificate requires three credit hours in Rhetorical Perspectives, three credit hours in Continental Philosophical Perspectives, three credit hours from Pool A and six credit hours from Pool B. Any other courses used to satisfy the requirements for this certificate must be approved by an academic advisor prior to enrollment. All courses used to satisfy the requirements for the certificate must be passed with a "C" (2.00) or better.

Core I Rhetorical Perspectives -- 3 credit hours

ENG 400: History of Literary Criticism (L or HU) (3)

ENG 472: Rhetorical Studies (L) (3)

Core II Continental Philosophical Perspectives -- 3 credit hours

ENG 401: Topics in Critical Theory (3)

PHI 304: Existentialism (HU) (3)

PHI 411: Continental Philosophy (HU) (3)

PHI 412: Philosophy and Literary Criticism (HU) (3)

Pool A -- 3 credit hours

ENG 400: History of Literary Criticism (L or HU) (3)

ENG 401: Topics in Critical Theory (3)

ENG 440: Studies in American Literature and Culture (HU) (3)

ENG 454: Gender and Literature (L or HU) (3)

ENG 461: Studies in Women and Literature (HU) (3)  
ENG 472: Rhetorical Studies (L) (3)  
ENG 478: Studies in Modernism (L or HU) (3)  
ENG 479: Studies in Postmodernism (HU & G) (3)  
IAP 371: Verbal Art (3)  
IAP 471: Language, Culture, and Performance (L or HU) (3)  
IAP 473: Aesthetic Research (L or HU) (3)  
PHI 412: Philosophy and Literary Criticism (HU) (3)  
PHI 421: Philosophical Topics (3)

Pool B -- 6 credit hours

COM 321: Rhetorical Theory and Research ((L or HU) & H) (3)  
COM 421: Rhetoric of Social Issues (HU) (3)  
COM 429: Semiotics and Visual Communication (3)  
ENG 401: Topics in Critical Theory (3)  
PHI 303 / REL 300: The Future of Religions (L or HU) (3)  
PHI 304: Existentialism (HU) (3)  
PHI 311: Philosophy and Literature (HU) (3)  
PHI 339: Philosophy of Art (HU) (3)  
PHI 390 / REL 314: Jewish Philosophy (3)  
PHI 411: Continental Philosophy (HU) (3)  
PHI 412: Philosophy and Literary Criticism (HU) (3)  
PHI 421: Philosophical Topics (3)  
PHI 494 / REL 494: Philosophical/Spiritual Issues in Death & Dying (3)  
REL 345: Asian Religious Traditions (HU & G) (3)  
REL 391: Historical Perspectives on Philosophy and Religion (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate in philosophy, rhetoric and literature is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/philosophy-rhetoric-and-literature-certificate>  
FAB N100  
harcadvising@asu.edu  
602-543-3000

## **Political Economy Certificate (LAPLECERT)**

**Campus:** Tempe

#### **Description:**

This certificate program is designed to engage students in the studies of global and domestic environments, whether those environments are governance organizations, nonprofits agencies or private enterprises, through an understanding of issues related to the intersection of politics and the economy.

#### **Program Requirements:**

The certificate includes courses in political science, economics and other academic areas that relate to politics and the economy. Students majoring in any subject at the university may be awarded the certificate upon completion of the following: A total of 15 credit hours are required. At least 12 credit hours must be upper-division level. Nine hours must be from the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.



Part One: Economics Foundation (choose one course) -- 3 credit hours

ECN 211: Macroeconomic Principles (SB) (3)

ECN 212: Microeconomic Principles (SB) (3)

Part Two: Politics Foundation (choose one course) -- 3 credit hours

POS 300: Contemporary Global Controversies (SB & G) (3)

POS 310: American National Government (SB) (3)

POS 350: Comparative Politics (SB & G) (3)

Part Three: Political Economics and the World (choose two courses) -- 6 credit hours

ECN 306: Survey of International Economics (SB & G) (3)

ECN 335: South Asia and the World Economy (SB & G) (3)

ECN 360: Economic Development (SB & G) (3)

POS 465: International Organization and Law (SB & G) (3)

POS 485: Political Economy (SB) (3)

POS 486: International Political Economy (SB & G) (3)

Part Four: Related Elective (choose one course) -- 3 credit hours

GCU 350: The Geography of World Crises (SB & G) (3)

JUS 405: Inequality, Economy and Justice ((L or SB) & G) (3)

PAF 340: Contemporary Policy Challenges (3)

PAF 470: Topics in Public Economics and Financial Management (3)

POS 325: Public Policy Development (SB) (3)

POS 356: European Union (SB & G) (3)

POS 367: World Politics and Global Inequalities (G) (3)

SGS 325 / JUS 325: Globalization and Socio-Economic Justice (SB & G) (3)

SGS 350: Economic Development and Globalization (3)

URB 300: Urban and Metropolitan Studies (3)

URB 302: Urban Theory (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

School of Politics and Global Studies

<https://spgs.asu.edu/>

COOR 6797

[spgs@asu.edu](mailto:spgs@asu.edu)

480-965-8563

## **Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT)**

**Campus:** Tempe

#### **Description:**

This certificate program in political entrepreneurship is designed to prepare students for careers in public policy in global and domestic environments whether they be in governance organizations, nongovernmental organizations, nonprofit agencies or private enterprises engaged in policy-making, implementation and critical assessment. The program requirements include applied practice in these settings and an internship. A variety of internship opportunities exist for students with global, national, state or local interests. Coursework in the social sciences, humanities and business will prepare students to be participants in policy processes as an avenue of civic engagement.

#### **Program Requirements:**

A total of 15 credit hours are required. At least 12 credit hours must be completed at the upper-division level. Nine hours must be from courses offered by the College of Liberal Arts and Sciences.

All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Part One: Introductory Course (choose one course) -- 3 credit hours

- POS 110: American Government and Politics (SB) (3)
- POS 150: Comparative Government (SB & G) (3)
- POS 160: Global Politics (SB & G) (3)
- POS 310: American National Government (SB) (3)
- SGS 101: Thinking Globally: The Individual and Authority (SB & G) (3)
- SGS 301: Principles of Global Studies (G) (3)

Part Two: Policy and Leadership (choose one course) -- 3 credit hours

- POS 325: Public Policy Development (SB) (3)
- POS 351: Democratization (SB & G) (3)
- POS 361: American Foreign Policy (SB & G) (3)
- POS 364: National Security, Intelligence, and Terrorism (SB) (3)
- POS 410: Governing American Cities (SB) (3)
- POS 426: Elements of Public Policy (SB) (3)
- POS 468: Comparative Asian Foreign Policies (SB & G) (3)
- POS 486: International Political Economy (SB & G) (3)
- SGS 320: Mechanisms of Governance (3)
- SGS 321: International Institutions and Global Governance (3)
- SGS 340: Violence, Conflict and Human Rights (3)
- SGS 350: Economic Development and Globalization (3)

Part Three: Internship -- 6 credit hours

Students may elect to complete only 3 hours of internship in Part Three. Students selecting this option must complete six upper-division credits in Part Four.

- POS 484 / SGS 484: Internship (6)

Part Four: Related Electives (choose one to two courses, depending on how many internship credit hours are earned) -- 3 credit hours

- BUA 380: Small Business Leadership (3)
- BUA 383: Small Business Working Relationships (3)
- COM 222: Argumentation (L) (3)
- COM 225: Public Speaking (L) (3)
- COM 230: Small Group Communication (SB) (3)
- COM 250: Communication and the Workplace (SB) (3)
- COM 259: Communication in Business and the Professions (3)
- COM 312: Communication, Conflict, and Negotiation (3)
- ENG 301: Writing for the Professions (L) (3)
- ENT 290: Entrepreneurship: Opportunity to Impact (3)
- FIN 380: Personal Financial Management (3)
- JUS 320: Community and Social Justice (SB & C) (3)
- MGT 380: Management and Strategy for Nonmajors (3)
- NLM 160: Voluntary Action and Community Leadership (SB) (3)
- NLM 220: Introduction to Nonprofit Organizations (3)
- NLM 410: Social Entrepreneurship (3)
- PAF 200: Public Service and Policy in the 21st Century (3)
- PAF 201: Economics and Public Policy (SB) (3)
- PAF 300: Public Management and Administration (3)
- PAF 311: Leadership and Change (SB) (3)
- PAF 340: Contemporary Policy Challenges (3)
- PAF 410: Building Leadership Skills (SB) (3)
- PAF 420: Public Leadership (3)
- PAF 460: Public Service Ethics (3)
- POS 494: McCain Institute Policy Design (3)
- SGS 204: Professional Global Career Development (3)
- SOS 111 / PUP 190: Sustainable Cities ((HU or SB) & G) (3)
- SOS 321: Policy and Governance in Sustainable Systems (3)
- URB 305: Urban Governance (3)
- URB 405: Citizen Engagement and Community Building (3)
- USL 210: Service Learning: Intro to Diverse Community Issues (L & C) (3)
- USL 410: Service Learning: Diverse Community Issues (L & C) (3)

certificate.

**Enrollment Requirements:**

Any student admitted to study at ASU may complete a certificate. Students should contact the School of Politics and Global Studies for more information about the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
SPGS@asu.edu  
480-965-8563

## Political History and Leadership Certificate (LAPTLCERT)

**Campus:** Tempe

This program's name has changed effective Fall 2019. The previous name was Political Thought and Leadership.

**Description:**

The certificate program in political history and leadership provides students with a strong foundation in the history of politics and political thought with a special emphasis on the role of leadership. It prepares students for leadership in their own careers, political or otherwise. Required courses combine academic study and mentoring contact with political, media and business leaders from the wider Phoenix area and Arizona communities while electives drawn from a variety of disciplines are used to broaden the scope of emphasis.

**Program Requirements:**

The certificate requires 15 credit hours, of which at least 12 must be upper-division. At least six upper-division hours must be completed in courses offered by the College of Liberal Arts and Sciences. All courses must be completed in residence at ASU and with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

HST 112 / POS 112: Foundations of Democracy (HU & H) (3)

HST 414 / POS 414: Political History and Leadership (3)

Elective Courses -- 9 credit hours

Choose electives from at least two different disciplines. Available disciplines are African and African American studies, economics, history, justice studies, philosophy, political science, religious studies and women and gender studies. A cross-listed course (such as HST 317 and POS 317) may be applied under either discipline, but not both.

Upper Division Discipline Elective (9)

African and African American Studies

AFR 330: Survey of African American Politics (SB & H) (3)

Economics

ECN 312: Intermediate Microeconomic Theory (SB) (3)

ECN 313: Intermediate Macroeconomic Theory (SB) (3)

ECN 315: Money & Banking (3)

ECN 360: Economic Development (SB & G) (3)

ECN 404: History of Economic Thought (SB) (3)

History

HST 302: History of Money ((HU or SB) & G & H) (3)

HST 302: War and Political Thought ((HU or SB) & G & H) (3)

HST 304: Ancient Political Thought (SB & H) (3)

HST 304: Classical Political Thought (SB & H) (3)

HST 304: Marxism and Its Critics (SB & H) (3)

HST 304: Modern Political and Social Thought (SB & H) (3)

HST 304: Modern Political Economy (SB & H) (3)

HST 304: Political Thought in Early-Modern Europe (SB & H) (3)  
HST 304: Revolutions & Reactions in Mod Political Thought (SB & H) (3)  
HST 305: History of Latin American Political Thought (SB & H) (3)  
HST 306: American Political Conspiracy ((HU or SB) & H) (3)  
HST 306: American Political Thought I: to 1865 ((HU or SB) & H) (3)  
HST 306: American Political Thought II: Since 1865 ((HU or SB) & H) (3)  
HST 306: Debating American Liberty ((HU or SB) & H) (3)  
HST 306: Debating the Constitution ((HU or SB) & H) (3)  
HST 306: Political Thought and the American Revolution ((HU or SB) & H) (3)  
HST 306: Terrorism in U.S. Political History ((HU or SB) & H) (3)  
HST 306: The Wealth and Poverty of Nations ((HU or SB) & H) (3)  
HST 315: Political History of the U. S. (SB & H) (3)  
HST 317: History of Postwar U.S. Conservatism (3)

#### Justice Studies

JUS 308: Courts and Society (3)  
JUS 321: Wealth Distribution and Poverty (SB & C) (3)  
JUS 330: Survey of African American Politics (SB & H) (3)  
JUS 332: Politics of Energy Policy and Justice (3)  
JUS 360: Law and Social Control (SB) (3)

#### Philosophy

PHI 307: Philosophy of Law (HU) (3)  
PHI 336: Social and Political Philosophy (HU) (3)  
PHI 347: Philosophical Theories of Constitutional Law (3)

#### Political Science

POS 310: American National Government (SB) (3)  
POS 313: The Congress (SB) (3)  
POS 314: The American Presidency (SB) (3)  
POS 315: The Supreme Court (SB) (3)  
POS 317: History of Postwar U.S. Conservatism (3)  
POS 340: History of Political Philosophy I (HU & H) (3)  
POS 341: History of Political Philosophy II (HU & H) (3)  
POS 342: Political Theory (HU or SB) (3)  
POS 346: Problems of Democracy (HU) (3)  
POS 352: European Democracies (3)  
POS 356: European Union (SB & G) (3)  
POS 417: Arizona Politics (SB) (3)  
POS 435: Women and Politics (SB & C) (3)  
POS 442: American Political Thought (HU) (3)  
POS 470: Law and the Political Order (SB) (3)  
POS 471: Constitutional Law I (SB) (3)  
POS 472: Constitutional Law II (SB) (3)  
POS 485: Political Economy (SB) (3)

#### Religious Studies

REL 388: Religion, Ethics, and International Politics (3)  
REL 420: Religion in American Life and Thought (HU) (3)

#### Women and Gender Studies

WST 377: History of American Feminist Thought (H & C) (3)  
WST 440: Politics of Women's Health (SB & C) (3)

Additional upper-division courses from disciplines such as economics, history, justice studies, philosophy, public service and public policy, and religious studies may be used with the approval of the certificate co-directors.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students wishing to declare the certificate must meet with an academic advisor in the School of Historical, Philosophical and Religious Studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/191>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Power and Society Certificate (ASPWSOCERT)

**Campus:** West

**Description:**

The certificate program in power and society prepares students to think critically and practically about the relationship between power and society. Courses in the program use multiple perspectives to explore the sources, exercise and consequences of power across a variety of social and historical settings. A special focus on gender is available across the spectrum of courses listed.

The certificate program is recommended for students with academic or career interests in politics, government, economics, organizing and advocacy, public affairs and public policy, journalism, social work, human rights, social justice, education and sustainability.

**Program Requirements:**

The certificate in power and society requires a minimum of 15 credit hours (at least 12 credit hours must be upper division). Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline.

Twelve credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and a New College major.

The certificate requires three core credit hours and 12 credit hours of electives. Electives are not limited to the certificate elective list; see academic advisor prior to enrollment. A maximum of three credit hours of individualized instruction or internship may be applied toward the certificate. Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

Required Core Course (select one course) -- 3 credit hours

POS 335 / SBS 335: Power and American Democracy (3)  
POS 437 / SOC 437: Women, Power, and Politics (G) (3)  
SOC 456: Political Sociology (3)

Elective Courses (minimum 9 upper-division) -- 12 credit hours

Students will select 12 credit hours from relevant courses on power and society. Selected courses must come from at least two of the following prefixes to develop breadth across disciplines: ASB, JHR, POS, SBS or SOC.

ASB 211: Women in Other Cultures ((HU or SB) & G) (3)  
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)  
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)  
ASB 394: Special Topics or JHR 394: Special Topics or POS 394 / SBS 394 / SOC 394: Special Topics (3)  
ASB 442 / SBS 460: Global Cities (SB & G) (3)  
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)  
ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)  
ASB 494 / JHR 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)  
ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)  
JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)  
JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)  
POS 150: Comparative Government (SB & G) (3)  
POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) (3)  
POS 335 / SBS 335: Power and American Democracy (3)  
POS 350: Comparative Politics (SB & G) (3)  
POS 357: South Asia Politics (SB & G) (3)  
POS 361: American Foreign Policy (SB & G) (3)  
POS 436: Gender, Sexuality, Nation-States (3)  
POS 437 / SOC 437: Women, Power, and Politics (G) (3)  
POS 470: Law and the Political Order (SB) (3)  
POS 480 / SBS 480: Global Justice (G) (3)  
POS 486: International Political Economy (SB & G) (3)

SOC 264: Gender and Society (SB & C) (3)  
SOC 371: Inequality and Sustainability (3)  
SOC 426: Social Inequality (SB) (3)  
SOC 456: Political Sociology (3)  
SOC 457: Global Social Movements (SB & G) (3)  
SOS 111: Sustainable Cities ((HU or SB) & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

This certificate is open to students in any major. Students should contact an advisor in the New College of Interdisciplinary Arts and Sciences for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/power-and-society>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Professional Sales Certificate (BAPRSCERT)

**Campus:** Tempe

**Description:**

Designed for the nonmarketing business major, the certificate in professional sales was created for business students who are interested in pursuing the many opportunities in professional sales. With the inclusion of courses in professional sales as well as sales management, this certificate program prepares students to be successful account managers or sales team leaders in both business-to-business and business-to-consumer settings. An optional internship in sales is strongly encouraged as part of the professional sales certificate.

**Program Requirements:**

To receive the certificate, students must complete the specified business courses with a grade of "C" or higher (2.00 on a 4.00 scale).

Prerequisite Course -- 3 credit hours

MKT 300: Marketing and Business Performance or MKT 303: Honors Marketing Theory and Practice (L) (3)

Required Courses -- 6 credit hours

MKT 370: Professional Sales and Relationship Management (3)

MKT 410: Sales Management (3)

Electives (choose two) -- 6 credit hours

MGT 430: Negotiations (3)

MKT 435: Entrepreneurial Marketing (3)

MKT 441: Sports Revenue Generation (3)

MKT 484: Internship (3)

Notes: Internship in sales.

MKT 493: Honors Thesis (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

This certificate program is open to current students in the W. P. Carey School of Business who are not in the marketing major. The certificate

application is accessed and submitted through Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Business, W. P. Carey School of  
Department of Marketing  
<https://wpcarey.asu.edu/undergraduate-degrees/professional-sales-certificate>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Public Administration and Public Management Certificate (PPPAFCERT)

**Campus:** Downtown Phoenix

**Description:**

The certificate in public administration and public management is intended for undergraduate students who are interested in developing leadership skills or wish to enhance their degree in an existing major at ASU, for working adults who may wish to further their education yet may not be looking for a degree program, and for students of the BA in interdisciplinary studies who seek to combine certificates with their degree.

The program is designed for students interested in public service who want to learn skills to:

- analyze critical issues
- build and bridge communities
- deliver and manage public programs
- improve the quality of life
- lead change in public policy
- preserve natural resources
- provide public safety
- reform welfare
- strengthen democratic governance

**Program Requirements:**

The certificate in public administration and public management consists of 15 credit hours of course work; students take 12 credit hours of core classes and three credit hours of elective courses.

Core Courses -- 12 credit hours

PAF 300: Public Management and Administration (3)

PAF 340: Contemporary Policy Challenges (3)

PAF 420: Public Leadership (3)

PAF 460: Public Service Ethics (3)

Elective -- 3 credit hours

PAF Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Academic Catalog Archive 2019-2020

School of Public Affairs  
<https://spa.asu.edu/undergradminors>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Religion and Conflict Certificate (LARELCERT)

**Campus:** Tempe

### **Description:**

The certificate program in religion and conflict is of particular interest to students pursuing careers in journalism, law, policy work, diplomacy, the military, public advocacy, publishing, education, ministry or other fields in which an enhanced understanding of religion and conflict is becoming increasingly vital.

A regional component provides students specific regional knowledge of how religion has been implicated in human conflict. Required coursework in at least two different regions fosters a comparative understanding of the dynamics of religion and conflict in historical and global contexts.

A political component explores how religion influences or is influenced by matters of state, law, government or other dimensions of political life.

A cultural component provides students with an understanding of how religion operates as a powerful force that impacts and intersects with expressions of human identity, thought and culture.

### **Program Requirements:**

The certificate requires a minimum of 18 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least 12 credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by the College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

#### Regional Component Courses -- 6 credit hours

Select two Regional Component Courses from two different geographic regions. Available regions are Africa, Asia, Europe, Middle East and United States. (6)

#### Humanities and Social Sciences Requirement

At least six of the 18 credit hours must be fulfilled with courses from the humanities and at least three credit hours from the social sciences.

Complete 6 credit hours from ARB OR HEB OR HST OR PHI OR REL OR SLC courses to fulfill the humanities requirement.

Complete 3 credit hours from AFR OR COM OR GCU OR JUS OR POS OR SGS OR SOC OR WST courses to fulfill the social sciences requirement.

#### Regional Component: Africa

GCU 328: Geography of Middle East and North Africa (SB & G) (3)

HST 307: Studies in African History (H) (3)

POS 359: African Politics and Society (SB & G) (3)

REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)

#### Regional Component: Asia

HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)

HST 392: Modern India (3)

HST 452: Chinese Cultural History II (SB & G & H) (3)

HST 459: Gandhi and the Politics of Nonviolence (3)

REL 345: Asian Religious Traditions (HU & G) (3)

REL 347: Peace and Conflict in India ((L or HU) & G) (3)

REL 348: Religion and Culture in Southeast Asia (3)

REL 352: Modern Buddhism (3)

REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G) (3)

REL 364: Islam in Eurasia and Central Asia (3)

REL 377: Religion in Russia (HU & H) (3)

#### Regional Component: Europe

HST 350: Later Middle Ages ((HU or SB) & H) (3)

HST 352: Europe's Reformations ((L or HU or SB) & H) (3)

HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)

HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)

HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) (3)

HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)



REL 364: Islam in Eurasia and Central Asia (3)  
REL 377: Religion in Russia (HU & H) (3)  
REL 471: Reformation and Modern Christianity (HU & H) (3)

Regional Component: Middle East

ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)  
ARB 335: Arabic Culture and Islam (G) (3)  
ARB 341: Quran Text and Women (HU & H) (3)  
GCU 328: Geography of Middle East and North Africa (SB & G) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
POS 353: Comparative Politics of the Middle East (3)  
REL 364: Islam in Eurasia and Central Asia (3)

Regional Component: United States

HST 315: Political History of the U. S. (SB & H) (3)  
REL 319: Religion, Violence and America (3)  
REL 321: Religion in America ((L or HU) & C & H) (3)

Cultural Component -- 3 credit hours

ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)  
ARB 335: Arabic Culture and Islam (G) (3)  
ARB 341: Quran Text and Women (HU & H) (3)  
HEB 348 / JST 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)  
HST 352: Europe's Reformations ((L or HU or SB) & H) (3)  
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)  
HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) (3)  
HST 452: Chinese Cultural History II (SB & G & H) (3)  
HST 459: Gandhi and the Politics of Nonviolence (3)  
PHI 406 / IAS 406: Moral Dilemmas (L or HU) (3)  
REL 201: Religion and the Modern World (L or HU) (3)  
REL 300: The Future of Religions (L or HU) (3)  
REL 312 / HST 369: History and Memory of the Holocaust (3)  
REL 313: Anti-Semitism in the Media (3)  
REL 321: Religion in America ((L or HU) & C & H) (3)  
REL 345: Asian Religious Traditions (HU & G) (3)  
REL 352: Modern Buddhism (3)  
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G) (3)  
REL 363 / AFR 373: Islam and World Affairs (G) (3)  
REL 366: Islam in the Modern World (HU & G) (3)  
REL 369: Women in Islam (3)  
REL 377: Religion in Russia (HU & H) (3)  
REL 381: Religion and Moral Issues (L or HU) (3)  
REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)  
REL 471: Reformation and Modern Christianity (HU & H) (3)  
REL 483: Religion and Science (3)  
SOC 420: Sociology of Religion (L or SB) (3)  
WST 345: Gender, Religion, and Global Violence (SB & G) (3)  
WST 477: Gender and Violence (SB & C) (3)

Political Component -- 3 credit hours

COM 312: Communication, Conflict, and Negotiation (3)  
COM 377: Communication, Terrorism, and National Security (3)  
HST 315: Political History of the U. S. (SB & H) (3)  
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)  
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)  
JUS 374: The Holocaust, Genocide, and Human Rights (3)  
JUS 467: Terrorism, War, and Justice (SB) (3)  
POS 353: Comparative Politics of the Middle East (3)  
POS 359: African Politics and Society (SB & G) (3)  
POS 364: National Security, Intelligence, and Terrorism (SB) (3)  
REL 107 / SGS 107: Religion and Globalization (HU & G) (3)  
REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)

REL 364: Islam in Eurasia and Central Asia (3)  
REL 378 / POS 378: Religion, War and Peace (L) (3)  
REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)  
REL 387: Religion and Conflict: Theories and Cases ((L or HU) & G) (3)  
REL 388 / POS 388: Religion, Ethics, and International Politics (3)  
REL 480 / SGS 441: Religion and Global Politics (L & G) (3)  
SGS 340: Violence, Conflict and Human Rights (3)  
WST 345: Gender, Religion, and Global Violence (SB & G) (3)

Electives (two courses) -- 6 credit hours

Certificate Electives (6)

Students select electives from any of the course lists above, keeping in mind that at least 12 credit hours within the certificate must be upper-division.

In some cases, the same course can be used to fulfill more than requirement. For more information, please contact the certificate director in the Center for the Study of Religion and Conflict.

If a course is used to meet more than one component requirement above, additional electives may be required to meet the 18 credit hour minimum. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

To declare the certificate, students should contact the certificate director in the Center for the Study of Religion and Conflict:

<https://csrc.asu.edu/students/certificate> (<https://csrc.asu.edu/students/certificate>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://csrc.asu.edu/students/certificate>  
WHALL 130  
csrc@asu.edu  
480-727-6339

## **Risk Communication Certificate (ASRCMCERT)**

**Campus:** West

#### **Description:**

The rising importance of the field of risk communication stems from the need to name, understand and manage physical and social risks as society is faced with increasingly challenging decisions concerning stressed social and environmental infrastructures. Proficiency in risk communication requires understanding the complex interfaces of physical, biological, psychological and social systems. In response, the certificate in risk communication combines the strengths of the three schools within the New College of Interdisciplinary Arts and Sciences: the School of Social and Behavioral Sciences, the School of Mathematical and Natural Sciences and the School of Humanities, Arts and Cultural Studies.

The program prepares students for a range of diverse careers in risk management, crisis communications and environmental public affairs. Specifically, students develop expertise suited to work as risk management specialists and environmental advocates, preparing them to translate complex scientific ideas and analyses into information that can be evaluated meaningfully by all members of society.

#### **Program Requirements:**

The certificate in risk communication requires 15 credit hours (a minimum of 12 credit hours must be upper division). Eight credit hours must be unique credit hours not already being counted toward the students' bachelor degree requirements in communication or environmental science. Other electives can be chosen in consultation with an academic advisor. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

BIO 130: Introduction to Environmental Science (SQ) or ENV 201: Fundamentals of Environmental Science (3-4)

Notes: ENV 201 is required by Biology or Environmental Science majors.

COM 415: Risk Communication (3)

Elective Courses (choose three courses) -- 9 credit hours

COM 319: Persuasion and Social Influence (SB) (3)

COM 414: Crisis Communication (3)

COM 450: Organizational Communication (SB) (3)

COM 454: Rhetorical and Critical Approaches to Public Relations (3)

COM 463: Intercultural Communication in a Global Context (SB & G) (3)

IAS 340 / PHI 320: Bioethics (HU) (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)

IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)

LSC 362: The Human Environment (3)

PTX 301: Basics of Pharmacology and Toxicology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students wishing to pursue this certificate should consult an academic advisor in the School of Mathematical and Natural Sciences or the School of Social and Behavioral Sciences to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/risk-communication>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## **Risk Management Certificate (BARMGTCERT)**

**Campus:** Polytechnic

#### **Description:**

The certificate program in risk management is designed to give students a solid foundation in the theory and practice of modern risk management. The concept of enterprise risk management is highlighted at the onset of the certificate curriculum, emphasizing that risks and risk management strategies must be considered holistically at the firm level, not in isolation.

Upon completion of the certificate, students will be able to identify and measure a variety of business and financial risks, and be able to design and articulate strategies for managing and communicating risks.

#### **Program Requirements:**

The certificate in risk management is available to business majors and non-business majors. This certificate requires 18 credit hours of courses. A grade of "C" or better is required for all upper-division coursework. No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Courses -- 9 credit hours

BUS 434: Business Risk Management (3)

BUS 436: Frontiers in Risk Management (3)

FIN 300: Fundamentals of Finance or FIN 303: Honors Finance (3)

Elective Courses -- 9 credit hours

AGB 435: Commodity Futures and Options Markets (3)

BUS 384: Business Operations and Planning or SCM 432: Planning and Control Systems for Supply Chain Management (3)

COM 414: Crisis Communication (3)

FIN 421: Security Analysis and Portfolio Management (3)

FIN 427: Derivative Financial Securities (3)

IEE 454: Risk Management (3)

OGL 421: Project Risk Management (3)

SCM 314: Analytics for Logistics or SCM 315: Business Decision Models (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The certificate in risk management is open to all students. The certificate application is accessed and submitted through Advising SOS: <https://wpcarey.asu.edu/sos> (<https://wpcarey.asu.edu/sos>).

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Business, W. P. Carey School of

Morrison School of Agribusiness

<https://wpcarey.asu.edu/agribusiness-degrees>

SANTN 230F

[wpcarey.morrison@asu.edu](mailto:wpcarey.morrison@asu.edu)

480-727-1586

## Russian and East European Studies Certificate (LAREECERT)

**Campus:** Tempe

**Description:**

The certificate in Russian and East European studies encourages students to develop special competency in Russian or East European languages and area studies.

Coursework leading to the certificate is offered in agribusiness, architecture, biology, economics, Eurasian languages (Armenian, Tajik, Tatar and Uzbek), geography, history, international business, music, political science, religious studies, Slavic and East European languages (Albanian, Bosnian/Croatian/Serbian, Macedonian, Polish, Romanian and Russian), sociology and women's studies.

A student with a major in any school or department may pursue this certificate and develop a personalized plan of study in cooperation with an advisor in the Melikian Center.

Certificate holders enhance their prospects for study abroad fellowships and graduate admissions and also qualify for unique entry-level government employment opportunities. Past certificate awardees have moved into positions of leadership in government, academia and the private sector.

**Program Requirements:**

The certificate in Russian and East European studies requires a minimum of 20 credit hours, of which at least 12 credit hours must be upper-division. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses used toward the certificate.

Language Requirement -- 4 credit hours

Students complete one 4-credit hour language course from the options below.

Students may also use Albanian or Armenian courses offered by the Critical Language Institute.

Native speakers of a language must complete four credit hours in a different language to fulfill this requirement.

Polish

PLC 101: Elementary Polish (4)

PLC 102: Elementary Polish (4)

PLC 201: Intermediate Polish (4)

PLC 202: Intermediate Polish (4)

PLC 311: Advanced Polish I (3)

PLC 312: Advanced Polish II (3)

Romanian

ROM 101: Elementary Romanian (5)  
ROM 201: Intermediate Romanian (5)  
ROM 313: Romanian Composition and Conversation (3)  
ROM 314: Romanian Composition and Conversation (3)  
ROM 411: Advanced Spoken and Written Romanian I (3)  
ROM 412: Advanced Spoken and Written Romanian II (3)

#### Russian

RUS 101: Elementary Russian I (5)  
RUS 102: Elementary Russian II (5)  
RUS 201: Intermediate Russian I (G) (5)  
RUS 202: Intermediate Russian II (G) (5)  
RUS 211: Basic Russian Conversation I (G) (3)  
RUS 212: Basic Russian Conversation II (G) (3)

#### Serbo-Croatian

BCS 101: Elementary Serbo-Croatian (G) (4)  
BCS 102: Elementary Serbo-Croatian (G) (4)  
BCS 201: Intermediate Serbo-Croatian (4)  
BCS 202: Intermediate Serbo-Croatian (4)  
BCS 311: Bosnian/Croatian/Serbian Composition and Conversation I (3)  
BCS 312: Bosnian/Croatian/Serbian Composition and Conversation II (3)

#### Required Certificate Electives (choose two) -- 6 credit hours

ENG 429 / SLC 429: What is Europe? ((L or HU) & G & H) (3)  
GCU 426: Geography of Russia and Surroundings (SB & G) (3)  
HST 304: Russia & Ukraine: Understanding the Crisis (SB & H) (3)  
HST 304: Russia: Empire of the Tsars, 1650-1917 (SB & H) (3)  
HST 304: Stalin to Putin via Film (SB & H) (3)  
HST 304: Stalinism: Society & Culture in Sov Un, 1924-1953 (SB & H) (3)  
HST 435: The Russian Empire (SB & H) (3)  
HST 436: The Soviet Experiment (SB & G & H) (3)  
POS 352: European Democracies (3)  
REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)  
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)  
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)  
SGS 344: Facing the Past: Truth, Memory, Denial After Atrocities (3)

Other HST 304 topics appropriate to the certificate's regional focus may be used with prior approval of the certificate advisor.  
Courses shown above not used to satisfy a Required Certificate Elective may be used as an Area-Related Elective.

#### Area-Related Electives -- 10 credit hours

APH 300: World Architecture I/Western Cultures (HU & H & G) (2)  
APH 313: History of Architecture I ((L or HU) & G & H) (3)  
APH 314: History of Architecture II ((L or HU) & G & H) (3)  
ENG 435: Literatures and Cultures of Immigration and Diaspora (3)  
GCU 325: Geography of Europe (SB & G) (3)  
HST 302: WWII in Comparative Perspective ((HU or SB) & G & H) (3)  
HST 304: A Survey of Soviet History (SB & H) (3)  
HST 304: Black Death: Pandemic Disease in the Medieval World (SB & H) (3)  
HST 304: Nazi Germany (SB & H) (3)  
HST 350: Later Middle Ages ((HU or SB) & H) (3)  
HST 354: Revolutionary Europe (SB & H) (3)  
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)  
HST 356: Europe since 1945 (SB & G & H) (3)  
HST 369: History and Memory of the Holocaust (3)  
HST 429: Modern Germany (SB & G & H) (3)  
HST 430: The Ottoman Empire in the Classical Period (3)  
HST 495: Russian Revolution (L) (3)  
HST 495: World War II in Poland (L) (3)  
POS 305: Conflict and Film (SB) (3)  
POS 352: European Democracies (3)  
POS 394: History & Politics of the United Nations: Model I (3)  
POS 486: International Political Economy (SB & G) (3)

REL 301: Comparative Mysticism (HU) (3)  
REL 365: Islamic Civilization (HU & H) (3)  
REL 366: Islam in the Modern World (HU & G) (3)  
REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)  
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)  
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)  
RUS 421: Pushkin (L or HU) (3)  
RUS 425: Chekhov and Russian Drama (L or HU) (3)  
RUS 430: Russian Short Story (L or HU) (3)  
RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (HU & L) (3)  
RUS 440: Russian Mass Media (G) (3)  
SGS 341: Humanitarian Crisis and International Intervention (3)  
SGS 344: Facing the Past: Truth, Memory, Denial After Atrocities (3)  
SGS 370: Geopolitics (3)  
SLC 294: Language&Culture Clash/Communctn&Miscommunication (3)  
SLC 304 / SLV 304: Digital Humanities for Language Majors (CS) (3)  
SLV 440: History of Slavic Languages (SB) (3)

Other courses may be used with prior approval of the program director.

Students complete the minimum 20 credit hour requirement with 10 credit hours of regionally related electives selected from the above list of courses. Arranged honors thesis and upper-division colloquia offered by faculty affiliates of the Melikian Center may be credited toward the certificate. Up to four additional credit hours in the language used to fulfill the language requirement.

#### Capstone Project

In their junior or senior year, students will complete a one-credit hour individualized instruction course offered by the Melikian Center, built around readings on the contemporary geopolitics of the region. Students may instead complete a capstone project during their senior year, chosen in cooperation with a faculty advisor affiliated with the Melikian Center. The project should represent an extended, research-based focus on some dimension of the region's linguistic, cultural, religious, historical or political distinctiveness. It may take the form of an extended research paper from an upper division course, an honors thesis, a translation project, an internship or a study abroad experience.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

For more information or to add the certificate, students should contact the Melikian Center at [melikiancenter@asu.edu](mailto:melikiancenter@asu.edu) (mailto:melikiancenter@asu.edu) or call 480-965-4188.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://melikian.asu.edu/>  
COOR 4448  
[melikiancenter@asu.edu](mailto:melikiancenter@asu.edu)  
480-965-4188

## Sales and Marketing Essentials Certificate (BASMECERT)

**Campus:** Tempe

#### Description:

Designed for undergraduate nonbusiness majors, the certificate program in sales and marketing essentials offers a set of courses that cover indispensable marketing knowledge in a wide variety of marketing application domains. Students are required to enroll in two fundamental courses in marketing and also choose three additional courses from a larger set (services marketing, business marketing, global marketing, sports business and advertising) to tailor their certificate to their particular interests. While some courses are offered in a face-to-face setting, the entire certificate is offered via iCourse for flexibility and convenience.

#### Program Requirements:

The certificate in sales and marketing essentials requires 15 credit hours to complete and is available to undergraduate nonbusiness majors or

nondegree-seeking students at ASU. The entire certificate may be taken online.

To receive the certificate, students must complete the specified business courses with a grade of "C" (2.00 on a scale of 4.00) or higher

Required Courses -- 6 credit hours

MKT 390: Essentials of Marketing (3)

MKT 391: Essentials of Selling (3)

Elective Courses (choose three) -- 9 credit hours

MKT 392: Essentials of Business Marketing (3)

MKT 395: Essentials of Advertising and Marketing Communication (3)

MKT 396: Essentials of Services Marketing (3)

MKT 397: Essentials of Global Marketing (3)

MKT 398: Essentials of Sports Business (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

This certificate is for nonbusiness majors only. The certificate application may be accessed and submitted online through Advising SOS:

<http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Business, W. P. Carey School of

Department of Marketing

<https://wpcarey.asu.edu/undergraduate-degrees/sales-marketing-certificate>

BA 160

[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)

480-965-4227

## **School Nutrition Certificate (ECNTRCERC)**

**Campus:** Downtown Phoenix

#### **Description:**

The certificate in school nutrition is directed toward current degree-seeking students and postbaccalaureate students who are interested in eligibility for the school nutrition specialist credential offered by the School Nutrition Association. More information for this credential is available at

<https://schoolnutrition.org/certificate-and-credentialing/credentialing-program/> (<https://schoolnutrition.org/certificate-and-credentialing/credentialing-program/>).

#### **Program Requirements:**

The certificate requires that students take the following courses, for a total of 31 credit hours:

Required courses -- 31 credit hours

ACC 382: Accounting and Financial Analysis (3)

EXW 100: Introduction to Health and Wellness (SB) OR EXW 302: Fundamentals of Wellness (L) or EXW 325: Fitness for Life (3)

NTR 142: Applied Food Principles (3)

NTR 343: Food Service Purchasing (3)

NTR 344: Nutrition Management and Leadership (L) (3)

NTR 345: Development of Healthy Cuisines or NTR 341: Medical Nutrition Therapy I (3)

NTR 355: Eating for Lifelong Health (SB) or NTR 450: Nutrition in the Life Cycle (SB) (3)

NTR 400: Preprofessional Preparation in Dietetics or NTR 401: Preprofessional Preparation in Nutrition (3)

NTR 445: Management of Food Service Systems (3)

NTR 448: Community Nutrition (L) (3)

NTR 498: Child Nutrition Seminar (1)

Students must earn a minimum grade of C in all courses in the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Interested students should speak with their academic advisor.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/home>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Secondary Education Certificate (TESEDCERT)

**Campus:** Polytechnic, Tempe, West, ASU@Lake Havasu, ASU@The Gila Valley

**Description:**

The secondary education certificate program prepares students who wish to teach students enrolled in grades 6-12. While students develop a strong content background, the secondary education certificate focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students. In order to integrate teacher preparation with the academic specialization, the Teachers College collaborates and communicates with academic departments throughout the university. Clinical experience and student teaching are required components of this certificate.

Students who complete this certificate program are issued an institutional recommendation for certification in Arizona. Students desiring to teach in a public school must also pass the appropriate Arizona educator exams (either the National Evaluation Series or the Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

The secondary education undergraduate certificate is also available for students who have earned a bachelor's degree; this is considered a nondegree graduate pathway.

**Program Requirements:**

The certificate requires a minimum of 30 hours.

Required Courses -- 15 credit hours

- BLE 407: SEI for Secondary Students (L) (3)
- RDG 323: Literacy Processes in Content Areas (3)
- SED 322: Classroom Leadership in Secondary Schools (L) (3)
- SPE 417: Inclusion Practices at the Secondary Level (3)
- TEL 311: Instruction and Management in the Inclusive Classroom (3)

Methods Course (choose one) -- 3 credit hours

Please consult with MLFTC academic advisor to select appropriate subject methods course.

- BIO 480: Methods of Teaching Biology (3)
- CHM 480: Methods of Teaching Chemistry (3)
- ENG 480: Methods of Teaching English: Composition (L) (3)
- ENG 482: Methods of Teaching English: Language (L) (3)
- HST 480: Methods of Teaching History: Classroom Resources (3)
- MTE 482: Methods of Teaching Mathematics in Secondary School (3)
- MTE 485: Teaching Standards-Based Middle and High School Mathematics (3)
- PHY 480: Methods of Teaching Physics (3)
- SED 403: Secondary Principles, Curriculum and Methods (3)
- SED 480: Special Methods of Teaching Social Studies (3)



SED 482: Science Teaching Methods for Secondary Schools (3)

SES 480: Teaching Earth and Space Sciences (3)

SLC 479: Introduction to Teaching Foreign Languages (3)

Required Clinical Experiences -- 12 credit hours

SED 396: Clinical Experience I or SED 398: Clinical Experience or SED 397: Clinical Experience II or SED 496: Clinical Experience III (1-3)

SED 478: Student Teaching: Secondary Education (Grades 6-12) (11-12)

Notes: A full-time 15-week student teaching experience is also required. Degree requirements for student's major must be completed prior to student teaching.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students interested in pursuing the secondary education certificate should be enrolled as a degree-seeking undergraduate student. This program is also available to students in the Phoenix area or Gila Valley area (Morenci) who have already completed a bachelor's degree and want to be certified to teach. Students interested in this option will apply to ASU as a nondegree-seeking graduate student.

Students interested in this program should have content knowledge in one of the following areas, demonstrated by having a minimum of 24 credit hours in coursework for the major or a passing score on appropriate teacher certification exam: biology, business, chemistry, Chinese (Mandarin), earth and space science, economics, English, French, general science, geography, German, history, mathematics, physics, political science or Spanish.

Students should have a valid Arizona DPS Identity Verified Print (IVP) fingerprint clearance card.

A 2.50 GPA is required to progress into the final semester of student teaching. Students should contact the Mary Lou Fulton Teachers College for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 120

[educationadvising@asu.edu](mailto:educationadvising@asu.edu)

480-965-5555

## **Security Studies Certificate (PPSCSCERT)**

**Campus:** Downtown Phoenix

#### **Description:**

The security studies certificate program provides students with the skills and credentials necessary to expand their employment opportunities in corporate and public security.

Through the 24 credit hour curriculum, students receive extended education in transdisciplinary topics such as accounting, computer studies and information systems, and crime analysis and in advanced crime and law courses. Upon completion of this certificate, students are well-equipped to have fluid conversations with professionals from different backgrounds about security, whether corporate or private.

#### **Program Requirements:**

Required Core Courses -- 12 credit hours

ACC 382: Accounting and Financial Analysis (3)

CIS 105: Computer Applications and Information Technology (CS) (3)

CRJ 201: Criminal Justice Crime Control Policies and Practices (3)

CRJ 419: Domestic Terrorism (3)

Select two courses from the following

-- 6 credit hours

CRJ 410: Procedural Criminal Law (3)  
CRJ 412: International Terrorism (3)  
CRJ 450: Crime Analysis (3)  
CRJ 463: White Collar Crime (3)  
CRJ 464: Organized Crime (3)

Select one course from the following -- 3 credit hours

CIS 235: Introduction to Information Systems (3)  
CPI 101: Introduction to Informatics (CS) (3)  
CSE 100: Principles of Programming with C++ (CS) (3)  
CSE 110: Principles of Programming (CS) (3)  
CSE 180: Computer Literacy (CS) (3)

Select one course from the following -- 3 credit hours

CRJ 484: Internship (3)  
LAW 480: The Law of Business Organizations (3)  
LES 305: Business Law and Ethics for Managers (3)

A grade of "C" (2.00 on a 4.00 scale) or better is required for upper-division course work.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Bachelor of Science in Criminology and Criminal Justice majors who are also pursuing the Security Studies certificate may not use CRJ 410, CRJ 412, CRJ 450, CRJ 463, CRJ 464, and CRJ 494 towards both their degree and certificate.

#### **Enrollment Requirements:**

Students should meet with an academic advisor from the School of Criminology and Criminal Justice to formally add the certificate to their degree plan.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu>  
UCENT 600  
SCCJAdvising@asu.edu  
602-496-2356

## **Small Business and Entrepreneurship Certificate (BASMBCERT)**

**Campus:** Tempe

#### **Description:**

In the small business and entrepreneurship certificate program, students learn how to launch their own business or work with small or startup operations. Course topics include small business, entrepreneurship and business plan development. Classroom work is complemented by frequent interaction with successful founders and leaders of entrepreneurial ventures.

#### **Program Requirements:**

The certificate requires 15 credit hours.

Required Courses -- 9 credit hours

ENT 305: Principles of Entrepreneurship (3)  
ENT 360: Entrepreneurship and Value Creation (3)  
ENT 441: Entrepreneurial Management (3)

Elective (choose one) -- 3 credit hours

ENT 446: Venture Capital Experience (3)  
ENT 447: Lean Launch (3)  
ENT 448: Corporate Entrepreneurship (3)

ENT 464: Collaborative Design Development I (L) (5)  
ENT 465: Collaborative Design Development II (L) (5)  
FIN 394: Fundamentals of Entrepreneurial Finance (3)  
MKT 435: Entrepreneurial Marketing (3)  
MKT 440: Creating Digital Experiences (3)

Small Business Elective (choose one) -- 3 credit hours

ACC 350: Internal Reporting (3)  
ACC 430: Taxes and Business Decisions (3)  
CIS 300: Web Design and Development (3)  
CIS 308: Advanced Excel in Business (3)  
CIS 309: Business Process Management (3)  
CIS 315: Introduction to Business Data Analytics (3)  
CIS 425: Web Technologies for the Enterprise (3)  
CIS 440: Capstone in Information Systems (L) (3)  
ECN 360: Economic Development (SB & G) (3)  
ECN 410: Applied Regression Analysis and Forecasting (3)  
ENT 340: Creativity and Innovation (L or HU) (3)  
ENT 484: Internship or MGT 484: Internship (3)  
FIN 361: Advanced Managerial Finance (3)  
FIN 461: Financial Cases and Modeling (L) (3)  
MGT 394: Women and Leadership in Business Today (3)  
MGT 411: Leading Organizations (3)  
MGT 430: Negotiations (3)  
MGT 450: Consulting Projects (L) (3)  
MKT 365: Advertising and Beyond: Customer-Centric Brand Development (3)  
MKT 402: Consumer Behavior (3)  
MKT 410: Sales Management (3)  
SCM 344: Applied Logistics Management (3)  
SCM 345: Logistics Management (3)  
SCM 355: Supply Management (L) (3)  
SCM 440: Quality Management/Measurement (3)  
SCM 445: Advanced Logistics Management (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate in small business and entrepreneurship is available only to business majors at ASU. Students majoring in business entrepreneurship or management (entrepreneurship) are not eligible to pursue this certificate. The certificate application is accessed and submitted through Advising SOS: <https://wpcarey.asu.edu/sos> (<https://wpcarey.asu.edu/sos>).

No more than six credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees/small-business-entrepreneurship-certificate>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## **Social Science Research Methods Certificate (LASSRMCERT)**

**Campus:** Tempe

#### **Description:**

The certificate program in social science research methods prepares students to acquire, manage and analyze a broad range of data on human

thought and human behavior. Data can be qualitative (e.g., text, images, sound) or quantitative (e.g., direct observation, surveys, GIS). Data acquisition skills may include the downloading and managing of information from online sources or the primary collection of data in surveys or by direct observation. A key feature of this program is a focus on data analysis so students are able to analyze any data they collect. All students in this program demonstrate skills in statistical analysis plus skills in a selection of methods related to their interests.

**Program Requirements:**

Students must complete 18 credit hours. A minimum of a "C" grade (2.00 on a 4.00 scale) is required.

Required Course -- 3 credit hours

STP 452: Multivariate Statistics or an equivalent course approved by academic advisor (3)

Electives (Choose four) -- 12 credit hours

AML 441: Mathematical Concepts and Tools in Sustainability (3)

FAS 361 / SOC 391: Research Methods (L or SB) (3)

FAS 460 / SOC 460: Leadership, Research, and Collaboration in Community Change (3)

GCU 373: Introduction to Geographic Information Science (SG) (4)

GCU 442: Geographical Analysis of Transportation (SB) (3)

GCU 496: Geographic Research Methods (L) (3)

GIS 311: Geographic Information Science III (CS) (4)

GIS 322: Programming Principles in GIS II (3)

GIS 341: Introduction to Cartography and Georepresentation (CS) (3)

GIS 351: Air Photo Interpretation (3)

GIS 431: Spatial Databases (3)

GIS 441: Geographics: Interactive and Animated Cartography and Geovisualization (CS) (3)

GIS 461 / PUP 481: Optimization Fundamentals for Spatial Analysis (3)

GIS 462: Location Analysis and Modeling (3)

GIS 470: Advanced Statistics for Geography and Planning (CS) (3)

GIS 471: Spatial Statistics for Geography and Planning (3)

GIS 472: Spatial Regression Analysis (3)

POS 301 / SGS 305: Empirical Political Inquiry (SB) (3)

POS 401 / SGS 401: Political Statistics (CS) (3)

PUP 424: Planning Methods (4)

SOC 389 / SBS 389 / ASB 389: Ethnographic Field Lab (1-6)

STP 310: Design and Analysis of Experiments (3)

STP 311: Regression and Time Series Analyses (3)

STP 315: Statistical Computing (3)

STP 420: Introductory Applied Statistics (CS) (3)

STP 429: Experimental Statistics (CS) (3)

STP 450: Nonparametric Statistics (3)

STP 460: Categorical Data Analysis (3)

Required Capstone Course -- 3 credit hours

ASB 499: Individualized Instruction or an equivalent capstone course approved by academic advisor (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change

<https://shesc.asu.edu/>

SHESC 233

[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)

480-965-6215

# Social Transformation Certificate (LASOTCERT)

**Campus:** Tempe

## **Description:**

Students enrolled in the certificate program examine how varied communities have faced and solved the needs of social change. They will consider how to apply what they have learned in identifying just solutions to the social problems currently facing society. The areas of focus include a variety of themes such as:

- civil rights movements
- democracy movements
- gender equality
- gender justice
- labor movements
- immigration

## **Program Requirements:**

The certificate requires a minimum of 15 credit hours, of which at least 12 credit hours must be completed at the upper-division level. A minimum of 12 credit hours must be completed at ASU. Courses for the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

APA 220 / JUS 220 / SST 220: Introduction to Social Transformation (3)

SST 484: Internship or SST 499: Individualized Instruction (3)

Electives (Choose three) -- 9 credit hours

AFR 325 / JUS 326: Music as Political Discourse: Reggae, Calypso, and Hip Hop (HU & H & G) (3)

AFR 365 / WST 364: Unruly Voices: Black Women and Cultural Narratives (HU & C) (3)

AFR 420: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)

AFR 470: Women's International Human Rights (3)

APA 350: Inequality and Diversity in Education (L & C) (3)

COM 312: Communication, Conflict, and Negotiation (3)

COM 341: Social Contexts for Performance (3)

ENG 333: American Ethnic Literature ((L or HU) & C) (3)

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)

ENG 371: Rhetoric of the Environmental Movement (3)

HST 306: Studies in United States History ((HU or SB) & H) (3)

HST 354: Revolutionary Europe (SB & H) (3)

JUS 320: Community and Social Justice (SB & C) (3)

JUS 321: Wealth Distribution and Poverty (SB & C) (3)

JUS 350: Immigration and Justice (SB & C) (3)

JUS 375: Justice and the Mass Media (SB) (3)

JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)

JUS 444: Environment and Justice (L & C) (3)

JUS 460: Feminism and Justice (C) (3)

JUS 497: Social Enterprise: Innovation and Justice (3)

NLM 410: Social Entrepreneurship (3)

REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)

SOC 352: Social Change (SB & G & H) (3)

TCL 340: Chicana/o and Latina/o Politics and Policy (L & C) (3)

TCL 341: Policy Issues in Chicana/o and Latina/o Urban Settings (C) (3)

THP 482: Theatre for Social Change (C) (3)

URB 305: Urban Governance (3)

WST 375: Women and Social Change (SB & C) (3)

WST 377: History of American Feminist Thought (H & C) (3)

WST 378: Global Feminist Theory (L & G) (3)

WST 380: Race, Gender, and Class (SB & C) (3)

Courses in addition to those in the list above may be used with the approval of an academic advisor in the School of Social Transformation. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/content/social-transformation>  
WILSN 125  
SSTadvising@asu.edu  
480-965-7682

## Socially Engaged Practice in Design and the Arts Certificate (HISEPCERT)

**Campus:** Tempe

**Description:**

Socially engaged practice in arts and design centers around participation, reciprocal relationships and collaborations that promote civic dialogue and investigate pressing issues of our time. This certificate program provides a theoretical framework, rigorous training and field experience in arts and design in civic and applied settings.

**Program Requirements:**

The certificate in socially engaged practice in design and the arts requires 18 credit hours; 12 hours of upper-division course work is required. All courses must be completed with a minimum grade of "C" (2.00) or better. An overall 3.00 GPA is required for this certificate.

Core -- 6 credit hours

HDA 210: Creativity and Innovation in Design and the Arts (3)

HDA 310: Socially Engaged Practice (3)

Social Engagement -- 3 credit hours

ART 442: Art and Community (3)

HDA 394: Design & Arts Corps (1-3)

HDA 494: Design & Arts Corps (1-3)

NLM 410: Social Entrepreneurship (3)

THP 482: Theatre for Social Change (C) (3)

URB 405: Citizen Engagement and Community Building (3)

Fieldwork / Internship -- 3 credit hours

HDA 410: Design and the Arts Corps Seminar (3)

Approved Capstone or Internship Experiences (3)

Electives (at least 3 credits must be upper-division) -- 6 credit hours

AME 310: Media Literacies and Composition (3)

AME 340: Compositional and Computational Principles for Media Arts (3)

AME 411: Advanced Interactive Sound (3)

AME 444: Media Installations (3)

AME 494: Animating Virtual Worlds (3)

ARS 441: Public Art (3)

ART 439: Intermedia Studio (3)

ART 442: Art and Community (3)

ART 443: Intermedia Performance (3)

DCE 133: Urban Movement Practices I (2)

DCE 201: Dance, Culture, and Global Contexts (HU) (3)

DCE 203: Walk this Way (3)

DCE 233: Urban Movement Practices II (2)

DCE 303: The Body Condition(ed) (SB) (3)

DCE 333: Urban Movement Practices III (3)  
DCE 360: Third-Year Creative Practices I (3)  
DCE 404: Dance and Ethics (3)  
DCE 405: Rhetorical Moves (L or HU) (3)  
HDA 252: Foundations Arts and Design Entrepreneurship (3)  
MDC 211: Introduction to Digital Sound (3)  
MDC 311: Composing and Performing for Hybrid Ensembles (3)  
MHL 342: Music History II (HU) (3)  
MHL 344: Music in World Cultures (HU & G) (3)  
MHL 494: Music and Movement in Urban Culture (3)  
MUP 489: Gamelan (3)  
MUP 489: Latin Marimba (3)  
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)  
NLM 160: Voluntary Action and Community Leadership (SB) (3)  
NLM 220: Introduction to Nonprofit Organizations (3)  
NLM 410: Social Entrepreneurship (3)  
NLM 430: Managing Nonprofit Organizations (L) (3)  
NLM 451: Grant Writing (3)  
PAF 200: Public Service and Policy in the 21st Century (3)  
PAF 410: Building Leadership Skills (SB) (3)  
PAF 420: Public Leadership (3)  
TDM 448: Heritage and Cultural Tourism (3)  
THP 251 / THP 451: Student Production Board (3)  
THP 482: Theatre for Social Change (C) (3)  
THP 483: Acting: Viewpoints and Composition (3)  
URB 405: Citizen Engagement and Community Building (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A minimum GPA of 3.00 is required to complete the certificate. The certificate is administered through the Office of Student Success in the Herberger Institute and is open to all undergraduate students admitted to ASU.

Students enrolled in a BA in the Herberger Institute must complete three additional credit hours of coursework unique to the certificate program that does not also count toward their major (due to the overlapping requirements of HDA 210 and HDA 310).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/degree-programs/socially-engaged-practice-design-and-arts-certificate>  
CDS 101  
herbergeradvising@asu.edu  
480-965-4495

## **Socio-Legal Studies Certificate (LASLSTCERT)**

**Campus:** Tempe

#### **Description:**

The distinction between law on the books and law in action, which refers to how people experience law in their everyday lives, is a cornerstone of the certificate program. The undergraduate certificate program in socio-legal studies offers a model for educating and training students in the study of legal ideas, institutions and practices from the perspectives of the social sciences, law and the humanities.

#### **Program Requirements:**

Students must complete 15 credit hours with at least 12 credit hours completed at the upper-division level. A minimum grade of "C" (2.00 on a 4.00 scale) is required for a course to count toward the certificate.

Core Theory and Foundation Courses (choose two) -- 6 credit hours

JUS 303: Justice Theory (L) (3)  
JUS 308: Courts and Society (3)  
JUS 360 / CRJ 350: Law and Social Control (SB) (3)  
JUS 410: Punishment: Logic and Approach (3)  
JUS 463: Discretionary Justice (SB) (3)  
JUS 465: Death Penalty in the United States (L) (3)  
PHI 307: Philosophy of Law (HU) (3)  
PHI 336: Social and Political Philosophy (HU) (3)  
PHI 408: Feminist Ethics (HU) (3)  
POS 315: The Supreme Court (SB) (3)  
POS 465: International Organization and Law (SB & G) (3)  
POS 471: Constitutional Law I (SB) (3)  
POS 472: Constitutional Law II (SB) (3)

Interdisciplinary Elective Component (choose three) -- 9 credit hours

Interdisciplinary electives must be taken from at least two different academic disciplines. Any course listed below may count towards this requirement. Other courses can be approved by the certificate program director.

AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU & G) (3)  
AFR 301 / JUS 300: Race and Racism in Africa/African Diaspora (SB & G) (3)  
AFR 304 / JUS 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H) (3)  
AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)  
AFR 428 / JUS 428: Critical Race Theory (3)  
CRJ 305: Gender, Crime, and Criminal Justice (C) (3)  
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)  
JUS 329: Domestic Violence (SB) (3)  
JUS 350: Immigration and Justice (SB & C) (3)  
JUS 374: The Holocaust, Genocide, and Human Rights (3)  
JUS 422 / WST 422: Women, Law, and Social Control (3)  
JUS 425: Race, Gender, and Justice ((L or SB) & C) (3)  
JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)  
JUS 432: Racial Justice (L) (3)  
JUS 467: Terrorism, War, and Justice (SB) (3)  
JUS 469: Political Deviance and the Law ((L or SB) & C) (3)  
JUS 484: Internship (3)  
JUS 498: Pro-Seminar (3)  
POS 370: Law and Society (SB) (3)  
POS 470: Law and the Political Order (SB) (3)  
PSY 468: Psychology and Law (3)  
SOC 340: The Sociology of Deviance (SB) (3)  
SOC 445: Globalization, Development, and Resistance (SB & G) (3)  
TCL 335 / HST 323 / AFR 335: Historical Studies in Race, Crime, and the Law (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students who have attained sophomore standing (30 credit hours) in any undergraduate degree program at ASU are eligible for admission to the certificate program for socio-legal studies. There is no formal admission procedure, but students should contact the certificate program director or an academic advisor in the School of Social Transformation as soon as they decide to pursue the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/content/socio-legal-studies>



WILSN 125  
SSTadvising@asu.edu  
480-965-7682

## Spanish for the Professions Certificate (LSSPPRFCER)

**Campus:** Downtown Phoenix

### **Description:**

The series of courses in this 18-credit hour certificate program will help students hone Spanish communication skills and cultural knowledge so they may serve the needs of the U.S. Latinx community in professional settings, such as education, social work, health care, criminology, and journalism.

This program is open to ASU students and to the community at large. The combination of professionally focused courses and practical experience in this program enhances students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S. Latinx culture.

### **Program Requirements:**

The Spanish for the professions certificate requires a total of 18 credit hours.

All courses for this certificate will require a minimum grade of "C" (2.00) or better to receive credit toward fulfilling certificate requirements.

Required Courses -- 12 credit hours

SPA 317: Spanish for the Professions (3)

SPA 404: Spanish in U. S. Professional Communities (C) (3)

SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G) (3)

SPA 484: Internship (3)

Elective Courses -- 6 credit hours

SPA 403: Spanish Grammar and Stylistics for the Professions (3)

SPA Upper Division Elective (3)

Notes: SPA 300- or 400-level Spanish courses focused on the professions (e.g., health care, business, medical and legal interpretation, journalism, social work, education, legal and justice studies, sustainability, engineering and urban planning)

Students should complete a minimum of 12 credit hours in the certificate and seek instructor approval before enrolling in SPA 484.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

The prerequisites for this certificate are SPA 314 Spanish Conversation and Composition or SPA 316 Advanced Spanish II for Bilinguals, or by permission of the instructor.

For additional information and to add the certificate, students should visit the school's website.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

AZCENT 380

CISA@asu.edu

602-496-0271

## Special Events Management Certificate (HSRTMUERT)

**Campus:** Downtown Phoenix

### **Description:**

The special events management certificate is a career enhancement program offered to nondegree-seeking students who already have a degree from an accredited university in any major or to students currently pursuing a bachelor's degree in any major at ASU.

This program is designed to give students hands-on event planning experience, including promotion techniques for the theoretical and philosophical aspects of event operations.

**Program Requirements:**

The certificate requires 18 credit hours: 15 credit hours of required core courses and three credit hours of electives. Courses taken as part of a university major may count toward that degree and the certificate. To earn the certificate, students must complete all course work in the certificate with a minimum grade of "C" (2.00 on a 4.00 scale) or better. An application to the program is required.

Required Core Courses -- 15 credit hours

PRM 486: Special Events Management (3)

Notes: (must take this first, as prerequisite for the following required courses)

PRM 422: Entertainment, Protocol, and Programming for Special Events (3)

PRM 423: Special Event On-Site Operations (3)

PRM 427: Revenue Generation for Special Event Management (3)

PRM 488: Event Marketing and Promotion (3)

Notes: iCourse, offered fall only

Elective Course (select one) -- 3 credit hours

CRD 301: Sustainable Communities (3)

NLM 220: Introduction to Nonprofit Organizations (3)

NLM 310: Volunteer Management (3)

PRM 470: Environmental Communication (3)

Notes: Offered Spring only

PRM 475: Entrepreneurial Recreation and Tourism (3)

PRM 487: Advanced Special Events Management (3)

Notes: Offered Spring only

TDM 205: Introduction to Travel and Tourism (G) (3)

TDM 345: Meeting and Convention Planning (3)

TDM 350: Tourism, Recreation and Sports Marketing (3)

TDM 448: Heritage and Cultural Tourism (3)

Standards

1. 18 hours of graded classroom course work (no internship, no independent study)
2. minimum of a "C" (2.00 on a 4.00 scale) grade required for all classes in the certificate
3. minimum GPA of 2.00 for those pursuing the certificate
4. should be a junior to take 400-level courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students wishing to pursue the special events management certificate should consult with an academic advisor in the School of Community Resources and Development. For additional information, students should visit the official website.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 500

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

**Speech-Language Pathology Assistant Certificate (LASLPACERT)**

**Campus:** Tempe

**Description:**

The speech-language pathology assistant certificate program prepares students to work with individuals with communication disorders, under the direction of a licensed speech-language pathologist.

Students majoring in speech and hearing science or persons already holding a bachelor's degree in speech and hearing science receive additional coursework and clinical training to be eligible for the speech-language pathology assistant licensure.

Speech-language pathology assistants work under the direction and supervision of speech-language pathologists in schools, clinics and rehabilitation agencies that provide speech and language services.

**Program Requirements:**

The speech-language pathology assistant certificate program includes 15 credit hours of course work and clinical internships completed in conjunction with the bachelor's degree in speech and hearing science.

Twelve of the 15 credit hours for the speech-language pathology assistant certificate must be completed at ASU. A minimum grade of "B-" (scale is 4.00 = "A") is required for a course to count toward the certificate.

Required courses -- 15 credit hours

SHS 402: Clinical Methods and Treatment of Communication Disorders (3)

SHS 473: Implementation of Treatment Plans for Individuals with Communication Disorders (3)

SHS 483: Professional Issues and Ethical Considerations for the SLPA (3)

SHS 484: Internship (6)

Notes: Two internships of clinical practice

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students who have completed at least nine credit hours in speech and hearing science coursework with at least a 2.75 GPA (scale is 4.00 = "A") in those courses are eligible to apply. Applications will also be accepted from students who have completed a bachelor's degree in speech and hearing science or communication disorders from a program accredited by the American Speech-Language-Hearing Association, providing their GPA in the major was at least 2.75.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/speech-language-pathology-assistant>

HLTHN 401AA

chs@asu.edu

480-965-2374

## Sports Business Certificate (BASPBCERT)

**Campus:** Tempe

**Description:**

The certificate in sports business is an innovative curriculum designed for students seeking a BS in the W. P. Carey School of Business who are interested in deepening their knowledge in the sports business domain. Particular attention is given to providing a foundation in marketing and sales as it is applied to the sports business discipline. The certificate prepares students for success by complementing coursework from a degree program with specialized business knowledge in the sports business area of interest.

**Program Requirements:**

The certificate in sports business is available to BS business majors in the W. P. Carey School of Business. The certificate requires 15 credit hours. A "C" (2.00 on a 4.00 scale) or better is required in all upper-division coursework.

Required Course -- 3 credit hours

MKT 311: Sports Business (3)

Choose at least two of the following courses -- 6 credit hours

MKT 441: Sports Revenue Generation (3)

MKT 451: Sports Business Analytics (3)

MKT 484: Internship or MKT 493: Honors Thesis (L) (3)

Choose no more than two of the following courses -- 6 credit hours

MKT 370: Professional Sales and Relationship Management (3)

MKT 410: Sales Management (3)

MKT 431: Sports Events and Facility Management (3)

MKT 435: Entrepreneurial Marketing (3)

MKT 442: Services Marketing Strategy (3)

MKT 484: Internship or MKT 493: Honors Thesis (L) (3)

MKT 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Prerequisites: This program is available to W. P. Carey Bachelor of Science degree program students with a 2.50 cumulative ASU GPA and 56 earned hours. Students must have completed MKT 300, MKT 302 or MKT 303 with a grade of "C" (2.00 on a 4.00 scale) or better.

The certificate application is accessed and submitted through Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

No more than six credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Business, W. P. Carey School of

Department of Marketing

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/certificates>

BA 460

wpcareymkt@asu.edu

480-965-3621

## **Sports, Cultures and Ethics Certificate (LASPCECERT)**

**Campus:** Tempe

#### **Description:**

The certificate program in sports, cultures and ethics is a cross-disciplinary inquiry into the social, ethical and cultural influence of athletics and sports spectatorship in our society.

The courses explore the historical grounding of sport and examine how sport and culture, including religion and gender, influence and shape each other. Students analyze the ethical and philosophical issues of participating in and spectating sport.

Students completing the certificate have a knowledge and understanding of the nature of sport and its wide-ranging impact on the culture and lives.

#### **Program Requirements:**

The certificate in sports, cultures and ethics requires a minimum of 18 credit hours, of which at least 12 must be upper-division. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences. All courses for the certificate must be passed with a minimum grade of "C" (2.00 on a 4.00 scale).

Required Courses -- 6 credit hours

AFR 375: Race, Gender and Sport (SB & C) or HST 377: Sports in United States History (3)

PHI 370: Sports Ethics (HU) (3)

Electives (choose four) -- 12 credit hours

At least six credit hours must be upper-division. AFR 375 or HST 377 may be used as an elective if not used as a required sports culture course.

AFR 375: Race, Gender and Sport (SB & C) (3)

CSM 335 / PRM 335: Sports and Recreation for Youth Development (3)

HST 294 / SLC 294: The Beautiful Game: History & Culture of Soccer (3)

HST 302: History of the Olympic Movement ((HU or SB) & G & H) (3)

HST 306: History of Baseball ((HU or SB) & H) (3)

HST 377: Sports in United States History (3)

HST 379: History of College Sports (3)

PHI 394: Philosophy of Sport (3)

REL 394: Religion and Sports (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/content/sports-cultures-and-ethics>  
COOR 3307  
SHPRSAdivising@asu.edu  
480-965-8364

## **Sustainable Food Systems Certificate (SUFSUCERT)**

**Campus:** Tempe

This program's name has changed effective Fall 2019. The previous name was Food System Sustainability.

#### **Description:**

Food systems are particularly important for human societies to sustain; however, these systems are particularly vulnerable to multiple threats. Many students from a wide variety of disciplines are interested in food systems, especially as food and sustainability become increasingly relevant issues to employers in fields across the public and private sectors.

This certificate program in sustainable food systems allows students to take advantage of the diversity of courses offered that address challenges to food system sustainability. It encourages students to cover a breadth of topics and perspectives related to food system issues while providing the opportunity to focus on particular skills and approaches suitable for their career paths, which can range from agriculture to marketing and retail to policy or ethics. This program offers an innovative and exciting approach to the challenges of food system sustainability.

Due to the transdisciplinary nature of the certificate program, many courses may be found across all four ASU campuses, allowing students to choose both the focus area and location of study that best fits their needs.

The knowledge, competencies and skills students will have upon completion of this certificate include the ability to identify food system drivers, activities, actors and outcomes at different spatial scales and the capacity to assess the primary social, economic and environmental drivers and outcomes associated with food system sustainability challenges.

Students also acquire the ability to apply one or more of the following analytical skills or approaches to the development of food system sustainability solutions: cultural and social analysis, alternative agricultural design and practice, analysis of biophysical processes and environmental services, urban planning and policy, marketing and entrepreneurial development, sustainability assessment, and consumer preference and behavior.

#### **Program Requirements:**

The certificate in sustainable food systems consists of 15 credit hours, at least 12 of which must be upper-division.

A GPA of 2.50 or higher is required in all courses completed for the certificate.

Required Course -- 3 credit hours

SOS 117: Food System Sustainability (3)

#### Elective Courses -- 12 credit hours

Students must choose four electives. A minimum of two courses must be selected from tier 1 core electives and no more than two courses from the same prefix across both tiers 1 and 2 should be selected.

#### Tier 1 - Core Electives (choose at least two)

AGB 302: International Management and Agribusiness (G) (3)  
AGB 414: Food and Agribusiness Policy Issues (L) (3)  
AGB 456: Food Product Innovation and Development (3)  
ASB 300: Food and Culture ((L or SB) & C) (3)  
ASB 463: Political Ecology of the Border (SB & G) (3)  
BIO 429: Human Impacts on Ecosystem Functioning (3)  
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)  
GPH 314: Global Change (HU & G) (3)  
ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)  
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)  
PLB 302: Plants and Civilization (L) (3)  
PUP 498: Urban Food Systems (3)  
SOS 327: Sustainable Food and Farms (3)

#### Tier 2 - Electives

ABS 368: Plant Propagation (3)  
ABS 464: Desert Horticulture (3)  
AGB 302: International Management and Agribusiness (G) (3)  
AGB 321: Agribusiness Marketing (3)  
AGB 414: Food and Agribusiness Policy Issues (L) (3)  
AGB 420: Food Advertising and Promotion (3)  
AGB 452: Global Food and Agricultural Trade (3)  
AGB 456: Food Product Innovation and Development (3)  
AIS 494: American Indian Food Justice and Sovereignty (3)  
ASB 300: Food and Culture ((L or SB) & C) (3)  
ASB 305: Poverty and Global Health ((L or SB) & G) (3)  
ASB 463 / TCL 443: Political Ecology of the Border (SB & G) (3)  
ASB 464 / TCL 444: The Ethnography of Mexico and the Borderlands (SB & G) (3)  
BIO 311: Biology and Society (3)  
BIO 324: Environmental Ethics (HU) (3)  
BIO 418: Soil Ecology (3)  
BIO 434: People and Nature: Ecosystem Services (3)  
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)  
GPH 314: Global Change (HU & G) (3)  
ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)  
NTR 348: Cultural Aspects of Food (SB & C & G) (3)  
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)  
NTR 448: Community Nutrition (L) (3)  
PLB 302: Plants and Civilization (L) (3)  
PUP 498: Urban Food Systems (3)  
SOS 309 / HST 308 / PHI 322: History and Philosophy of Sustainability (3)  
SOS 322: International Development and Sustainability (3)  
SOS 327: Sustainable Food and Farms (3)  
SOS 370 / ASB 370: Ethics of Eating (L or SB) (3)  
SOS 374 / GLG 327: Earth's Critical Zone (3)  
SOS 429 / BIO 429: Human Impacts on Ecosystem Functioning (3)  
SOS 456: Human Rights and Sustainability ((L or SB) & G) (3)  
SOS 498: Sustainable Neighborhoods for Happiness (L) (3)  
TCL 394: Health Policy in a Transborder Context (3)

Electives are not limited to courses from this list only. Other courses on food systems may be offered (special topics, etc.). Students may request to have those approved as an elective for this certificate by submitting a School of Sustainability petition:

[https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions)

Students must earn a grade of "C" or better in all courses for the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students wishing to declare a certificate in sustainable food systems should make an appointment with a School of Sustainability advisor.

Advising is by appointment only, and students must schedule an advising appointment through this website:

[https://webapp4.asu.edu/advsched/?acad\\_org=CSS](https://webapp4.asu.edu/advsched/?acad_org=CSS) ([https://webapp4.asu.edu/advsched/?acad\\_org=CSS](https://webapp4.asu.edu/advsched/?acad_org=CSS))

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Sustainability, School of

School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/>

WGHL 108

[sosadvising@asu.edu](mailto:sosadvising@asu.edu)

480-727-6963

## Symbolic, Cognitive and Linguistic Systems Certificate (LAPHICERT)

**Campus:** Tempe

**Description:**

The symbolic, cognitive and linguistic systems certificate program takes a transdisciplinary approach to the symbolic representation and processing of information in human cognition, natural languages and formal mathematical, logical and computing systems. Coursework covers three areas: human cognition and theories of mind, philosophy of language and linguistics, and computing and logic.

**Program Requirements:**

The certificate requires 18 credit hours, of which at least 12 must be upper-division. At least six upper-division credit hours must be taken through the College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for all courses used toward the certificate.

Required Course (Choose one) -- 3 credit hours

CSE 110: Principles of Programming (CS) (3)

CSE 205: Object-Oriented Programming and Data Structures (CS) (3)

CSE 240: Introduction to Programming Languages (3)

Upper Division Philosophy Course (Choose one) -- 3 credit hours

PHI 313: Probability, Evidence, and Decision (3)

PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)

PHI 330: Theory of Knowledge (HU) (3)

PHI 331: Philosophy of Language (HU) (3)

PHI 333: Symbolic Logic (3)

PHI 334: Philosophy of Mind (HU) (3)

PHI 401: Rationalism (3)

PHI 402: Empiricism (HU) (3)

PHI 413: Advanced Symbolic Logic (3)

Electives -- 12 credit hours

Elective (3)

Upper Division Electives (9)

Students must complete at least one course each from the cognitive, linguistic and symbolic systems course lists below to earn the certificate. The required CSE course above also satisfies the requirement for a symbolic systems course, but students must cover the other two categories within the electives and upper division PHI course requirement. Once all three categories are satisfied, students may choose any courses from the cognitive, linguistic and symbolic systems lists for the remaining electives.

Cognitive Systems

PHI 313: Probability, Evidence, and Decision (3)

PHI 330: Theory of Knowledge (HU) (3)

PHI 334: Philosophy of Mind (HU) (3)

PHI 401: Rationalism (3)

PHI 402: Empiricism (HU) (3)  
PSY 323: Sensation and Perception (3)  
PSY 324: Memory and Cognition (3)  
PSY 434: Cognitive Psychology (L) (3)  
PSY 437: Human Factors (L) (3)

#### Linguistic Systems

ENG 213: Introduction to the Study of Language (3)  
ENG 312: English in its Social Setting (L or HU or SB) (3)  
ENG 313: Phonology and Morphology (3)  
ENG 314: Modern Grammar (3)  
PHI 331: Philosophy of Language (HU) (3)

#### Symbolic Systems

CSE 110: Principles of Programming (CS) (3)  
CSE 205: Object-Oriented Programming and Data Structures (CS) (3)  
CSE 240: Introduction to Programming Languages (3)  
MAT 243: Discrete Mathematical Structures (3)  
MAT 300: Mathematical Structures (L) (3)  
MAT 420: Scientific Computing (3)  
PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)  
PHI 333: Symbolic Logic (3)  
PHI 413: Advanced Symbolic Logic (3)

With the approval of the director of undergraduate studies, students may substitute one course not on the approved course lists. Please obtain approval prior to enrolling in any course not on the approved list.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

To declare the certificate, students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/188>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)

**Campus:** Tempe

#### Description:

The teaching English to speakers of other languages undergraduate certificate program consists of a coherent set of courses that provides students with the skills necessary to teach English as a foreign language. This certificate is useful for students interested in careers in this increasingly important field. It also serves as excellent preparation for students wishing to pursue graduate studies in the Master of Teaching English to Speakers of Other Languages program at ASU or in a similar program at another institution. Note that this certificate does not certify students to teach in Arizona public schools (K-12).

#### Program Requirements:

The certificate program in teaching English as a second language requires a minimum of 18 credit hours, of which 12 must be completed at the upper-division level. At least six credit hours must be completed from courses offered by the College of Liberal Arts and Sciences. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Core -- 12 credit hours



ENG 213: Introduction to the Study of Language (3)

ENG 404: Studies in Second Language Acquisition (6)

Notes: Students complete two ENG 404 courses, one in second language acquisition and one in TESOL methods.

ENG 484: TESOL Internship (3)

Directed Elective (choose one) -- 3 credit hours

ENG 403: Semantics (3)

ENG 404: Studies in Second Language Acquisition (3)

Notes: ENG 404 must be a topic not used to satisfy required courses.

ENG 414: Studies in Linguistics (3)

Linguistics Electives (choose one) -- 3 credit hours

ENG 214: English Grammar and Usage (3)

ENG 312: English in its Social Setting (L or HU or SB) (3)

ENG 313: Phonology and Morphology (3)

ENG 314: Modern Grammar (3)

ENG 413: History of English Language (HU) (3)

Course substitutions may be used with approval of an academic advisor in the Department of English before enrollment.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

For more information about the TESOL certificate, students should contact an advisor in the Department of English.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

Department of English

<https://english.asu.edu/node/252>

RBHL 170

[englishadvising@asu.edu](mailto:englishadvising@asu.edu)

480-965-3168

## **Technical Communication Certificate (LSTECERT)**

**Campus:** Polytechnic

#### **Description:**

Through the technical communication program, students learn how to produce, design and manage information using traditional and developing technologies.

#### **Program Requirements:**

The undergraduate certificate requires 18 credit hours. A "C" grade or better is required for all upper-division courses in the certificate.

Required Courses -- 6 credit hours

TWC 301: Fundamentals of Writing for Digital Media (L) (3)

TWC 401: Fundamentals of Technical Communication (L) (3)

Required Course (choose one) -- 3 credit hours

TWC 411: Principles of Visual Communication (L) (3)

TWC 421: Principles of Web Authoring (L) (3)

TWC 431: Principles of Technical Editing (3)

Electives -- 9 credit hours

TWC 4\*\* Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this  
Academic Catalog Archive 2019-2020

certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/LSTECCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LSTECCERT/Gedt.pdf>).

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
[cisa@asu.edu](mailto:cisa@asu.edu)  
480-727-1526

## Translation Certificate (LASPACERT)

**Campus:** Tempe

**Description:**

The translation certificate, which focuses on Spanish and English, is designed to provide competence in translation, awareness of the different approaches, an introduction into the main professional areas and an overview of the requirements for further certification in the desired area or areas of expertise: legal, medical, business and technical translation.

**Program Requirements:**

The certificate program requires a minimum of 15 credit hours. At least 12 credit hours must be completed at the upper-division level. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses.

Students are expected to have taken prerequisite courses ENG 301 and SPA 412. However, ENG 301 and SPA 412 may be completed in the first semesters after admission to the program.

Required Course -- 3 credit hours

SLC 401: Translation Theory and Practice (3)

Required Applied Translation Courses -- 9 credit hours

SLC 481: Technical and Scientific Translation (3)

SLC 482: Business and Financial Translation (3)

SLC 485: Translation of Legal Texts or SLC 486: Medical Translation (3)

Students should consult with an academic advisor in the School of International Letters and Cultures and plan their studies accordingly.

Internship Requirement -- 3 credit hours

SLC 484: Internship (3)

Students must complete all required courses before enrolling for an internship. Students must complete 135 on-site internship hours to earn three credit hours in SLC 484.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Since entry into the field of professional translation is gained through work, cultural experience and examination, the entrance requirements to this certificate program include a written proficiency examination in both the source and receptor languages at the level of completion of an advanced composition course in Spanish (SPA 412) and English (ENG 301).

Extensive work experience using Spanish and English or demonstrated bilingual writing competence in English and Spanish is also required.

Students should contact an academic advisor in the school for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Veterans, Society and Service Certificate (LAVSSCERT)

**Campus:** Tempe

**Description:**

The certificate program in veterans, society and service embraces ASU's charter mission by crossing intellectual disciplines to critically analyze and engage the relationships between military and civilian cultures. This innovative program, based on socially responsible scholarship drawn from disciplines of history, politics, psychology, sociology, social justice and the arts, prepares students to address and reduce the military-civilian divide. This certificate enhances ASU's position as one of the most veteran-supportive universities in the country by facilitating the study nationally and internationally of the civilian and military relationship. It augments such diverse majors as history, journalism, law, policy, politics, social work and education. The certificate prepares students to pursue research and transform society for and with veterans.

**Program Requirements:**

The certificate requires a minimum of 18 credit hours, of which at least 12 must be completed at the upper-division level and 12 must be completed at ASU. All courses must be completed with a grade of C (2.00 on a 4.00 scale) or higher.

Required Courses -- 9 credit hours

VTS 301: Veterans, Society and Service: Experience of America's Modern Wars (3)  
VTS 302: Representations and Self-Representations of Veterans in the Media and the Arts (3)  
VTS 402: Undergraduate Research (3)

Electives -- 6 credit hours

Students must choose at least two courses for a minimum of 6 credit hours.

AES 103: Air Force Today II (2)  
AES 203: The Evolution of USAF Air and Space Power II (2)  
ARS 102: Art from Renaissance to Modernism (HU & H) (3)  
FAS 410: Military Family Systems in a Democracy (3)  
FMS 427: Identity and World Film (C) (3)  
GRK 346 / HST 346 / SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) (3)  
HST 302: War and Political Thought ((HU or SB) & G & H) (3)  
HST 302: Women, War and Peace ((HU or SB) & G & H) (3)  
HST 306: World War II ((HU or SB) & H) (3)  
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)  
NAV 102: Sea Power and Maritime Affairs (3)  
POS 378 / REL 378: Religion, War and Peace (L) (3)  
SGS 394: Gender and Armed Conflict (3)

Other courses that complement the student's individual course of study may be completed with prior approval of the academic advisor.

Internship -- 3 credit hours

VTS 484: Internship (3)

All students must complete an internship.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Dean, The College of Liberal Arts and Sciences  
<https://vetengagement.asu.edu>  
ARM 102AA  
[clas@asu.edu](mailto:clas@asu.edu)  
480-965-6506

## Wildlife Management Certificate (LSWLMCERT)

**Campus:** Polytechnic

**Description:**

The undergraduate wildlife management certificate program is for students at ASU interested in biology, conservation, sustainability and management of natural resources. The certificate provides students with professional credentials to qualify for many positions offered by state (e.g., Arizona Game and Fish Department) and federal agencies (e.g., U.S. Forest Service, U.S. Geological Survey, U.S. Bureau of Land Management).

The program provides students with application-based and hands-on experience in the field and allows them to engage with wildlife professionals. The certificate may give a hiring edge to those in the growing field of environmental careers in agencies and nongovernment organizations.

**Program Requirements:**

This certificate requires 22 credit hours. A "C" (2.00 on a 4.00 scale) or better is required in each course.

Required Courses -- 13 credit hours

ABS 274: Introduction to Wildlife Management (4)  
ABS 376: Wildlife Ecology (3)  
ABS 475: Habitat Management for Small Wildlife (3)  
ABS 476: Big Game Habitat Management (3)

Elective Courses -- 9 credit hours

ABS 377: International Wildlife Conservation (3)  
ABS 380: Restoration and Wildlife Plants (3)  
ABS 470: Life History of Mammals (3)  
ABS 472: Applied Herpetology (3)  
ABS 473: Applied Ornithology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students interested in pursuing the certificate should speak with an academic advisor in the College of Integrative Sciences and Arts.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
[CISA@asu.edu](mailto:CISA@asu.edu)  
480-727-1526

## Women and Gender Studies Certificate (ASWSTCERT)

**Campus:** West

**Description:**

The certificate program in women and gender studies examines the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas.

The program combines interdisciplinary topics and methods to critically analyze, unpack and address how relations of gender are embedded in and connected to social, political and cultural transformations. The intellectual core draws from theories, methods and teachings in women and gender studies while engaging complementary fields of social justice, cultural studies, sexuality studies, queer studies, literature, history, sociology, psychology, oral history, ethnicity, race and indigenous studies, and transnational studies.

This certificate will prepare students for graduate study or a variety of fields including business, health care, criminal justice, social services, education, public relations, nonprofits, community development, public policy and government.

**Program Requirements:**

The certificate in women and gender studies consists of 18 credit hours. A minimum of 12 credit hours must be upper division. Courses should be chosen in consultation with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Electives (chosen from the following) -- 12 credit hours

Courses used for Core Requirements cannot also be used to satisfy the Elective Requirements.

ENG 454: Gender and Literature (L or HU) (3)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)

WST 220: Gender, Media and Culture ((HU or SB) & C) (3)

WST 300: Women and Gender in Contemporary Society (SB & C) (3)

WST 333: Critical Perspectives on Sexuality (SB & C) (3)

WST 341: Latin American Women Writers (3)

WST 370: Chronicling Women's Lives (HU & C) (3)

WST 376: Feminist Theory (H & C) (3)

WST 380: Race, Gender, and Class (SB & C) (3)

WST 385: Psychology of Gender (SB) (3)

WST 390 / REL 390: Women, Gender and Religion (HU & G) (3)

WST 430: Gender on the Borderlands (SB & G) (3)

WST 444: Gender, Health, and Bodies (SB) (3)

WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)

WST 457: Women, Cultures, and Societies (SB & G) (3)

WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)

WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/women-and-gender-studies-certificate>

FAB N100

harcsadvising@asu.edu

## Women and Gender Studies Certificate (LAWSTCERT)

**Campus:** Tempe

**Description:**

The women and gender studies certificate program provides students with an intensive, liberal arts approach to topics such as gender and feminism and how they interact with society today.

Because students have the opportunity to explore issues from multiple disciplines, the certificate is an interdisciplinary alternative to a minor. The program enables students to write well, think critically and analyze problems effectively.

The certificate is offered by the School of Social Transformation.

**Program Requirements:**

The women and gender studies certificate requires a minimum of 18 credit hours, of which at least 12 must be completed at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course (Choose one) -- 3 credit hours

WST 100: Women, Gender, and Society (SB & C) (3)

WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Elective Core Course (Choose one) -- 3 credit hours

WST 378: Global Feminist Theory (L & G) (3)

WST 377: History of American Feminist Thought (H & C) (3)

Electives -- 12 credit hours

WST Elective (3)

WST Upper Division Elective (9)

WST 100 and WST 300 cannot be used to fulfill the elective requirement.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Social Transformation

<https://sst.asu.edu/content/women-and-gender-studies-certificate>

WILSN 125

SSTadvising@asu.edu

480-965-7682

## Working with Military Families Certificate (LAWWMFCERT)

**Campus:** Tempe

**Description:**

Important complexities surround the dynamics of military families. Military personnel, veterans and their families face unique issues and challenges such as navigating military culture and dealing with multiple deployments, trauma and death. Students interested in careers focusing on these families have a need to understand normative family processes, stress and coping, and military culture and leadership.

Students enrolled in the program, offered by the Reserve Officer Training Corps and the T. Denny Sanford School of Social and Family Dynamics, will take a unique combination of courses as well as military leadership. Students who complete the certificate program will be conversant with human development, marital and familial relationships, and family dynamics in the context of military culture.

**Program Requirements:**

The certificate requires 18 credit hours. At least 12 credit hours must be completed at the upper-division level and a grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses.

Required Courses -- 15 credit hours

CDE 232: Human Development (SB) (3)

FAS 101: Personal Growth in Human Relationships (SB) (3)

FAS 331: Marriage and Family Relationships (SB) (3)

FAS 410: Military Family Systems in a Democracy (3)

MIS 301: Training Management and the Warfighting Functions (L) or AES 301: Air Force Leadership Studies I (L) (3-4)

Internship Requirement -- 3 credit hours

FAS 484: Internship (3)

Students are required to complete a capstone internship project that includes a field work experience, a written integrative paper and an oral presentation.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students in related majors can apply for the certificate through the T. Denny Sanford School of Social and Family Dynamics. Admission will be determined by the admission committee. A student must have a minimum GPA of 3.00 (scale is ) in order to be considered for admission to the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics

<https://thesanfordschool.asu.edu/>

COWDN 128

[advisor@asu.edu](mailto:advisor@asu.edu)

480-965-6978

## Writing (Liberal Arts and Sciences) Certificate (LAENGCERT)

**Campus:** Tempe

**Description:**

The writing certificate program provides advanced writing instruction for students in any major. Students in the program gain practical skills in effective communication and enhance their ability to create, structure and present information in a variety of contexts.

ASU's Department of English in The College of Liberal Arts and Sciences has an extensive internship program, with opportunities for placements in publishing, media and marketing, government, teaching English as a second language, nonprofits and film festivals. The Department of English also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

**Program Requirements:**

The writing certificate program consists of 19 credit hours, at least 12 of which must be completed at the upper-division level. A minimum of six upper-division credit hours must be courses offered by the Department of English in the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 16 credit hours

ENG 216: Persuasive Writing on Public Issues (L) or ENG 301: Writing for the Professions (L) (3)

ENG 374: Technical Editing (3)

ENG 412: Creative Nonfiction (3)

ENG 472: Rhetorical Studies (L) (3)

ENG 484: Writing Certificate Internship (3)

ENG 498: Writing Certificate Portfolio (L) (1)

Writing or Design Elective (choose one) -- 3 credit hours

Students choose one additional writing course in English or Design selected from the following list of approved courses:

ENG 215: Strategies of Academic Writing (L) (3)

ENG 216: Persuasive Writing on Public Issues (L) (3)

ENG 310: Intermediate Creative Writing (3)

ENG 311: Persuasive Writing (L) (3)

ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)

ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)

ENG 391: Writing in Context (3)

ENG 474: Review Writing (3)

ENG 475: Popular Periodical Writing (L) (3)

TWC Upper Division Elective (3)

All students are required to submit a portfolio before receiving the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Application to the program requires a minimum GPA of 3.00 (scale is 4.00 = "A") in ENG 101 and ENG 102, ENG 105, or ENG 107 and ENG 108. Students must also have completed at least 30 credit hours of coursework. Students should contact the department for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

Department of English

<https://english.asu.edu/node/254>

RBHL 170

[englishadvising@asu.edu](mailto:englishadvising@asu.edu)

480-965-3168

## **Writing (New College) Certificate (ASWRTCERT)**

**Campus:** West

#### **Description:**

The certificate in writing offered by the New College of Interdisciplinary Arts and Sciences at the West campus is a valuable program for students in any discipline. The ability to communicate clearly, directly and effectively is a key to advancement in all careers. Certification of advanced writing skills opens the way to a vast array of opportunities, from journalism and publishing to public advocacy, military and government careers, elementary and secondary education, business management, economic development, law, nonprofits and high-tech industry.

The program offers five track options (creative writing, generalist, nonfiction writing, professional and technical writing, and publishing and editing) which can be tailored to their individual interests and career goals. The program comprises intensive coursework that culminates in an exit portfolio, a collection of work that demonstrates the writing skills mastered by each student.

#### **Program Requirements:**

The writing certificate consists of 16 credit hours, 10 of which must be upper-division. Requirements include 15 credit hours of track courses from one track (chosen in consultation with the faculty certificate coordinator) and 1 credit hour of AMS 490 Writing Portfolio.

Students must complete a minimum of six upper-division credit hours offered by the School of Humanities, Arts, and Cultural Studies and must complete a minimum of 12 credit hours at ASU. Six to nine credit hours may be shared between certificate and major requirements upon approval. All courses used to satisfy the requirements for the certificate must be passed with a "B" (3.00) or better.

Track Requirements (minimum 12 upper-division) -- 15 credit hours

Complete 15 credit hours of courses from one track below, chosen in consultation with the faculty certificate coordinator. (15)

Creative Writing Track



ENG 210: Introduction to Creative Writing (3)  
ENG 217: Writing Reflective Essays (L) (3)  
ENG 287: Beginning Creative Writing Workshop in Poetry (3)  
ENG 288: Beginning Creative Writing Workshop in Fiction (3)  
ENG 310: Intermediate Creative Writing (3)  
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)  
ENG 361: Scriptwriting (3)  
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)  
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)  
ENG 394: Comedy Writing (3)  
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)  
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)  
ENG 394: Professional Writing Workshop - Fiction (1-3)  
ENG 394: Professional Writing Workshop - Poetry (1-3)  
ENG 410: Writing for Publication (3)  
ENG 494: Canyon Voices (3)  
ENG 499: Individualized Instruction (3)

#### Generalist Track

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)  
ENG 210: Introduction to Creative Writing (3)  
ENG 216: Persuasive Writing on Public Issues (L) (3)  
ENG 217: Writing Reflective Essays (L) (3)  
ENG 287: Beginning Creative Writing Workshop in Poetry (3)  
ENG 288: Beginning Creative Writing Workshop in Fiction (3)  
ENG 301: Writing for the Professions (L) (3)  
ENG 302: Business Writing (L) (3)  
ENG 310: Intermediate Creative Writing (3)  
ENG 311: Persuasive Writing (L) (3)  
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)  
ENG 323: Rhetoric and Grammar (L) (3)  
ENG 361: Scriptwriting (3)  
ENG 379: Travel Writing (L) (3)  
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)  
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)  
ENG 394: Comedy Writing (3)  
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)  
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)  
ENG 394: Professional Writing Workshop - Fiction (1-3)  
ENG 394: Professional Writing Workshop - Poetry (1-3)  
ENG 410: Writing for Publication (3)  
ENG 494: Canyon Voices (3)  
ENG 499: Individualized Instruction (3)

#### Nonfiction Writing Track

ENG 216: Persuasive Writing on Public Issues (L) (3)  
ENG 217: Writing Reflective Essays (L) (3)  
ENG 311: Persuasive Writing (L) (3)  
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)  
ENG 379: Travel Writing (L) (3)  
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)  
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)  
ENG 394: Professional Writing Workshop - Fiction (1-3)  
ENG 394: Professional Writing Workshop - Poetry (1-3)  
ENG 410: Writing for Publication (3)  
ENG 420 / IAS 420: Multicultural Autobiographies ((L or HU) & C) (3)  
ENG 494: Canyon Voices (3)  
ENG 499: Individualized Instruction (3)

#### Professional and Technical Writing Track

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)  
ENG 216: Persuasive Writing on Public Issues (L) (3)  
ENG 301: Writing for the Professions (L) (3)  
ENG 311: Persuasive Writing (L) (3)

ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)  
ENG 323: Rhetoric and Grammar (L) (3)  
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)  
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)  
ENG 394: Professional Writing Workshop - Fiction (1-3)  
ENG 394: Professional Writing Workshop - Poetry (1-3)  
ENG 410: Writing for Publication (3)  
ENG 494: Canyon Voices (3)  
ENG 499: Individualized Instruction (3)

**Publishing and Editing Track**

ENG 323: Rhetoric and Grammar (L) (3)  
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)  
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)  
ENG 394: Professional Writing Workshop - Fiction (1-3)  
ENG 394: Professional Writing Workshop - Poetry (1-3)  
ENG 410: Writing for Publication (3)  
ENG 494: Canyon Voices (3)  
ENG 499: Individualized Instruction (3)

**Writing Portfolio -- 1 credit hours**

AMS 490: Writing Certificate Portfolio (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The certificate in writing is open to all ASU undergraduate majors. To gain admission to the program, students must demonstrate fundamental writing skills through the completion of English composition. Students are required to submit an application, which includes at least three samples of writing from lower-division courses or independent writing projects. Applications must be submitted at least two months before the start of the semester they anticipate being admitted. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and all required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/writing-new-college-certificate>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

# Undergraduate Programs

## Undergraduate Degrees (Program Descriptions)

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

#### Accountancy, BS (BAACCBS)

**Campus:** Tempe, West

**Program Description:**

The School of Accountancy's undergraduate BS program in accountancy offers two tracks during the senior year.

The accounting track is followed by most students and is designed to provide a rich educational experience.

The accounting master's internship is the track designed for the most highly qualified students who wish to commit to the MAcc or MTax program during the second semester of their junior year. The internship provides a particularly rich and individualized educational experience during the senior year. It includes a number of distinct advantages for students: a full-time paid internship for credit with a participating accountancy firm, early consideration for scholarships, and possible eligibility for a GMAT waiver and a graduate application fee waiver for the MAcc or MTax program (eligibility is determined by the GPA at the time of application).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Taxation, MTax

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their

high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

#### **Change of Major Requirements:**

Students should visit the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS website: <https://wpcarey.asu.edu/sos> (<https://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=BAACCBS-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The major in accountancy includes the essential academic preparation for students who are:

- planning to pursue a graduate degree or attend law school
- pursuing professional careers in public, corporate and governmental accounting
- seeking positions in consulting or are planning to operate a business
- seeking positions in personal financial planning and portfolio analysis

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2018) states, "Employment of accountants and auditors is projected to grow 10 percent from 2016 to 2026, faster than the average for all occupations."

#### **Contact Information:**

Business, W. P. Carey School of  
School of Accountancy

<https://wpcarey.asu.edu/undergraduate-degrees/accounting>

BA 223Q

[wpcareyacc@asu.edu](mailto:wpcareyacc@asu.edu)

480-965-3631

## **Business, BA (BABUSBA)**

**Campus:** Polytechnic, Tempe, West

#### **Program Description:**

The BA in business provides an innovative, transdisciplinary approach to learning, which broadens career options upon graduation. Not only do students acquire a strong grounding in the principles of business, they also immerse themselves in coursework outside the business school, supplementing the business degree.

Students in the program learn how to apply core business knowledge in one of the following disciplines:

- agribusiness (global agribusiness)
- business administration
- Chinese language and culture
- communication

- food industry management
- global leadership
- global logistics management
- global politics
- human resources
- law
- public service and public policy
- retail management
- Spanish language and culture
- sports and media studies
- statistics
- sustainability
- technology
- tourism

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students cannot change their major to this degree program. Students should visit Advising SOS, <https://wpcarey.asu.edu/sos> (<https://wpcarey.asu.edu/sos>), to declare a W. P. Carey business concentration.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students in this bachelor's degree program graduate from one of many concentrations in the W. P. Carey School of Business, and they should see those concentrations for career opportunities.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

**Business (Business Administration), BA (BABUSBABA)**

**Campus:** Polytechnic, West, ASU@Lake Havasu, Online

**Program Description:**

The BA in business with a concentration in business administration is focused on a breadth of knowledge and skills needed for managing business operations. The program provides the full business core plus a concentration with 18 hours of coursework focused on skills such as forecasting demand, planning inventory, purchasing services, conducting skillful negotiations, building strategies for the future, and managing people, finances and risk.

**Additional Program Fee:** Y**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the Exploratory Social and Behavioral Sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to the W. P. Carey School of Business will be contacted to select an appropriate major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-concentration-business/>)

**Change of Major Requirements:**

Students should visit the following W. P. Carey website, <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=BABUSBABA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the bachelor's degree program in business with a concentration in business administration are prepared to work in a wide range of industries with a broad skill set in managing processes and people. Several anticipated career opportunities are shown below for those who complete the concentration in business administration.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Chinese Language and Culture), BA (BABUSCLBA)

**Campus:** Tempe

**Program Description:**

The mission of the concentration in Chinese language and culture within the BA in business degree program is to create global business professionals who can function culturally and linguistically in the business environment in China and domestically. As China becomes an increasingly important participant in the global economy and as the manufacturing and financial sectors become more globalized, the need for business professionals skilled in communicating in the Chinese language is growing.

With a network of 26 flagship programs at 22 institutions of higher education across the U.S., the language flagship program graduates students who will take their place among the next generation of global professionals, commanding a superior level of proficiency in languages critical to U.S. national security and economic competitiveness. This program prepares participants to function professionally in Chinese within diverse business fields.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should visit the following W. P. Carey website, <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>) to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=BABUSCLBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program provides students with the fundamental business skills, linguistic training, critical thinking and intercultural competencies required to work in the increasingly globalized world markets that now rely on trade and commerce with China. Graduates of this program are equipped to play a key role in companies and organizations seeking out new markets or dealing with international interests in the U.S. and are suited to the demands of small-business enterprises as well as multinational companies. Currently, there are demands for Mandarin-speaking business professionals in the hotel and tourism industry and in the consulting, banking and finance, international trade, sports management and media fields.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://students.wpcarey.asu.edu/chinese-language-and-culture-advising>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Communication), BA (BABUSCBA)

**Campus:** Polytechnic, Tempe, West, ASU@Lake Havasu, Online

**Program Description:**

The BA in business with a concentration in communication is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and communication play an important role in ensuring success. Students in this program complete rigorous courses within the communication concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors. Graduates have specific knowledge of business practices and the capacity to effectively communicate complex business information.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)



**Additional Requirements:**

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements:**

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-concentration-communication/>)

**Change of Major Requirements:**

Students should visit the following W. P. Carey website, <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSCBA-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Business communication has exploded as a distinct professional field as companies require rapid and considered responses, from conveying ordinary information to crisis communications. Historically, these positions have been staffed with people trained in communication, English, journalism or other fields but who lack specific business knowledge. Graduates of this program will be qualified to enter these positions with knowledge that will be immediately useful to potential employers while advancing their careers.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/communication>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Corporate Accounting), BA (BABUSCABA)

**Campus:** Online

**Program Description:**

The BA in business with a concentration in corporate accounting addresses the educational needs of many students who have an interest in accounting but no plans to enter public accounting. The emphasis of this program is managerial accounting. The six major courses in the concentration prepare students for corporate accounting positions by helping students develop skills in strategic financial planning, control, corporate compliance and decision-making. Upon completion of the program, students may take the Certified Management Accountant exam.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

This program is not available to students with BA, BS or MS degrees in accountancy.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer credit hours who are not admissible to the College of Integrative Sciences and Arts will be contacted to select an appropriate major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-corporate-accounting/>)

**Change of Major Requirements:**

Students should visit the following W. P. Carey website, <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS: <https://wpcarey.asu.edu/sos> (<https://wpcarey.asu.edu/sos>). This program is not available to students who already hold a BA, BS or MS degree in accountancy.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSCABA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are generally substantive and in high demand. Senior management roles for corporate accountants include chief financial officer positions. Currently, more than half the CFOs at larger corporations have formal accounting training. Projecting into the future, the longer term trend is for CFOs to have extensive corporate accounting training, particularly since CFOs at public U.S. corporations personally sign the

financial statements.

Typical early to mid-career positions held by corporate accountants include controllers, treasurers and vice presidents in areas like financial planning, divisional controlling, cost accounting directing, senior financial analysis and senior accounting. These positions typically report to the CFO.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Food Industry Management), BA (BABUSFIMBA)

**Campus:** Polytechnic, Online

**Program Description:**

The BA in business with a concentration in food industry management provides students the knowledge and skills needed for leadership roles in the global food industry. The program has been developed in close coordination with partners in the food industry and provides the full business core plus 21 credit hours of food industry coursework.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-food-industry-management/>)

**Change of Major Requirements:**

Students should visit the following W. P. Carey website (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>) to determine if they meet change of major

requirements. Students ready to change their major should submit their request through Advising SOS at <https://wpcarey.asu.edu/sos> (<https://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=BABUSFIMBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The concentration program in food industry management prepares students for business careers in the food industry, which is defined as the group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and institutions such as schools and hospitals. The industry is becoming increasingly competitive, sophisticated and global, and it shows a growing demand for professional management as one in six people are employed in the food industry nationwide, with 100,000 in Arizona.

#### **Contact Information:**

Business, W. P. Carey School of  
Morrison School of Agribusiness  
<https://wpcarey.asu.edu/undergraduate-degrees>  
SANTN 230  
wpcareyug@asu.edu  
480-727-5183

## **Business (Global Agribusiness), BA (BABUSGAGBA)**

**Campus:** Polytechnic

#### **Program Description:**

The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The BA in business with a concentration in global agribusiness teaches students the business of agricultural production, finance, marketing and distribution.

Through a technology-rich, applied, industry-oriented curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability. It is specifically designed to meet the needs of students interested in studying the business aspects of agriculture in the domestic and global economy. Students learn to analyze and manage issues involved in food manufacturing, input and output supply activities, commodity trading and food distribution.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:**

**Program Math Intensity:** Moderate

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Environmental and Resource Management, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements:**

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://wpcarey.asu.edu/sos> (<https://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGAGBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Accounting for more than 50 percent of the global economy and employing 25 percent of Americans, agribusiness brings food from the farm to the global table. Possible career paths include positions with private agribusiness firms and governmental agencies in these fields:

- finance
- management
- marketing
- technology

**Contact Information:**

Business, W. P. Carey School of  
Morrison School of Agribusiness  
<https://wpcarey.asu.edu/undergraduate-degrees>  
SANTN 230  
wpcareyug@asu.edu  
480-727-5183

## Business (Global Leadership), BA (BABUSGBA)

**Campus:** Online

**Program Description:**

The BA program in business with a concentration in global leadership prepares students for careers in the global business environment by developing strong business skills through global studies courses from a variety of regions around the world. Students also may choose to participate in an international study experience in a variety of countries around the globe.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-global-leadership/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGBA-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A degree that incorporates solid business skills and global studies will help prepare students for employment in the global business world. Opportunities exist for qualified students to work either domestically or internationally in an international organization. This degree program augments business and leadership skills necessary in most corporations.

**Contact Information:**

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<https://wpcarey.asu.edu/undergraduate-degrees>

BA 160

[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)

480-965-4227

**Campus:** West, Online

**Program Description:**

Logistics management focuses on integration and partnerships necessary to meet customer needs on a timely basis, with relevant and high-quality products produced and delivered in a service-effective manner.

This BA program in business with a concentration in global logistics management trains students to be strategic thinkers, excellent analysts, effective communicators and team leaders who are focused on efficiency, effectiveness and increasing revenue.

An efficient logistics management system is critical to the success of global corporations, making sure the supply of goods and services flowing through the system closely matches the demand. Logistics management professionals manage, coordinate and transport products from raw materials to the finished goods sitting on a local store shelf or offered by an online retailer. Efficient logistics is a key reason consumers can buy an ever-increasing variety of goods and services at remarkably low prices. Not surprisingly, logistics also plays a major role in the health care industry where efficient, effective delivery systems are gaining significant traction.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with International Trade, BS

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Concurrent degree admission requirements:

Students interested in the international trade and business (global logistics management) program must meet general university admission requirements.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Transfer students must have a 3.00 cumulative transfer GPA and a 3.00 cumulative ASU GPA (if applicable) in addition to meeting the general admission requirements in order to be admitted to this program. If the student does not meet the admission requirements for the concurrent program, they will be placed in the BS in international trade.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-global-logistics-management/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGLBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Logistics management professionals hold a range of job titles and engage in a wide variety of activities in the private, nonprofit and governmental sectors. Apple and Walmart CEOs previously held logistics-related positions at those organizations. This demonstrates the high value of leaders who understand the importance logistics adds to enterprise success.

**Contact Information:**

Business, W. P. Carey School of  
Department of Supply Chain Management  
<https://wpcarey.asu.edu/undergraduate-degrees>  
FAB N106  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
480-965-6044

## Business (Global Politics), BA (BABUSGPBA)

**Campus:** Tempe

**Program Description:**

The BA program in business with a concentration in global politics incorporates solid business skills and global understanding in order to prepare students to realize and analyze the relationship between business and social science. Students in this program complete the rigorous courses within the global politics concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.



Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=BABUSGPBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students completing the global politics concentration think critically about global problems and integrate inquiry and action in order to become responsible leaders. These students are prepared to successfully launch careers in many fields including:

- campaign and issue management
- information analysis
- public relations

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
480-965-4227

## Business (Health Care), BA (BABUSHCBA)

**Campus:** West

**Program Description:**

The BA program in business with a concentration in health care prepares students to operate within the challenging and dynamic health care industry by helping them develop skills and acquire knowledge through one of its five specialized tracks --- health care analytics, communication, coordination, innovation and delivery. Students graduating from the program go on to pursue careers in health care management and leadership by developing an ability to understand different stakeholders in these often-complex environments.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements:**

Transfer applicants must have a 3.00 GPA for all transfer coursework and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer credit hours who are not admissible to the College of Integrative Sciences and Arts are contacted to select an appropriate major.

**Change of Major Requirements:**

A current ASU student, in a major outside of business, must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA to change a major to this W. P. Carey program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSHCBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This program provides students with core business skills such as computer information systems, accounting, basic economic theory, finance, management, marketing and supply chain management as well as in-depth knowledge in relation to the business of health care. Graduates are prepared for careers in the public or private health care setting related to health care management, administration, access, analytics and policy setting.

**Contact Information:**

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<https://wpcarey.asu.edu/undergraduate-degrees/admission-requirements>

FAB N101

wpcadmissions@asu.edu

602-543-6200

## **Business (Human Resources), BA (BABUSHRBA)**

**Campus:** Polytechnic

**Program Description:**

The BA in business with a concentration in human resources incorporates solid business and human resource skills. The program involves both theoretical and applied concepts with a focus on practical and applied aspects of human resources. This degree is applicable to any business or governmental organization, as all have a need to manage their personnel services.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSHRBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree in business with a concentration in human resources has been designed to provide students with a comprehensive skill set that allows them to move into any business, industry or governmental organization and have the knowledge, skills and abilities to perform necessary human resource tasks. There is growing demand for human resources professionals to handle issues like corporate social responsibility and ethics, sustainability, workplace diversity and inclusion, and labor relations.

**Contact Information:**

Business, W. P. Carey School of  
Department of Management and Entrepreneurship  
<https://wpcarey.asu.edu/undergraduate-degrees>  
SANTN 230  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
480-727-5183

**Campus:** West

**Program Description:**

Data security has become an everyday part of business operations. Protecting key stakeholders and clients is an essential aspect for businesses of all sizes and types. The BA degree program in business with a concentration in information security provides students with core business skills as well as the basic critical and technical skills necessary to understand cyber threats, security and prevention in the business setting.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus/MAT 211

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and must meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

**Change of Major Requirements:**

A current ASU student, outside of business, must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA to change a major to this W. P. Carey program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSISBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This is an ideal degree for students interested in anything from small-business startups to the management of large cybersecurity companies. The degree program prepares those who are interested in managing digital business, working in organizations that predominantly conduct business online and developing basic information security technical competency relevant for most organizations.

**Contact Information:**

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<https://wpcarey.asu.edu/undergraduate-degrees/admission-requirements>

FAB N101

wpcadmissions@asu.edu

## Business (Language and Culture), BA (BABSLACUBA)

**Campus:** Tempe, West

### Program Description:

The BA in business with a concentration in language and culture is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and communication play an important role in ensuring success. The program mission is to create business professionals who can function culturally and linguistically in the business environments of both international and domestic markets. Students complete rigorous courses within Chinese, French, Italian or Spanish languages in addition to the skill and core courses required of all W. P. Carey School of Business students.

**Additional Program Fee:** N

**Second Language Requirement:** N

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer credit hours who are not admissible to the College of Integrative Sciences and Arts will be contacted to select an appropriate major.

### Change of Major Requirements:

A current ASU student, outside of Business, must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA to change their major to this W. P. Carey program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=BABSLACUBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Students who successfully complete this program are equipped to play a key role in companies and organizations seeking new markets or dealing with international interests domestically. The demand for multilingual business professionals is strong in the hotel and tourism industry and in consulting, banking and finance, international trade, sports management and media companies.

### Contact Information:

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcadmissions@asu.edu  
480-965-4227

## Business (Law), BA (BABUSLBA)

**Campus:** Tempe

### Program Description:

The BA program in business with a concentration in law is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and law play an important role in ensuring success. Coupled with a strong business background, the law concentration gives students a systematic framework for analyzing real-world legal regulation and corresponding business risks and liabilities. Students in this program complete rigorous courses within the law concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

### Change of Major Requirements:

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSLBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The law concentration is designed to expose students who will pursue careers in the business world to aspects of law and legal issues relevant to their career goals. Graduates of this program are prepared to use their skills in a variety of industries ranging from new business ventures to corporate or agency compliance.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Public Service and Public Policy), BA (BABUSPBA)

**Campus:** Tempe

**Program Description:**

The BA program in business with a concentration in public service and public policy prepares students for work in public, nonprofit and private sectors, through comprehensive coverage of topics in public policy and public administration. Students become familiar with leading a public organization and the process of policy development. They also examine the public sector through multiple lenses and address its challenges in a practical way.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-academic-catalog-archive-2019-2020>)

advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=BABUSPBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

There is an increase in job opportunities in the public sector for graduates due to retiring workers and an increasing demand for public services. The degree program prepares students for work in public, nonprofit and private sectors through comprehensive coverage of topics in public policy and public administration.

The program also offers preparation for students who wish to pursue graduate degrees in:

- law
- nonprofit administration or other public service
- policy-oriented areas
- public administration
- public policy

#### **Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
480-965-4227

## **Business (Retail Management), BA (BABUSRBA)**

**Campus:** Online

#### **Program Description:**

The BA program in business with a concentration in retail management provides a business curriculum focused on the knowledge and skills needed for leadership roles in the retail industry. The program provides the full business core plus 18 credit hours of retail-specific coursework. The degree program has been developed in collaboration with faculty and industry professionals to provide a curriculum responsive to industry needs.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:



Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements.

Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-retail-management/>)

#### **Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSRBA-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The bachelor's degree program in business with a concentration in retail management prepares students to work in the retail industry. Drawing on coursework from four areas in the concentration that provide them with the broad preparation and leadership skills required today, graduates are ready to assume positions of responsibility in the retail industry. Several anticipated career opportunities for graduates are:

- administrative services manager
- business manager
- food service manager
- general and operations management
- management analyst
- operations specialist
- purchasing or buying manager
- sales manager
- training and development manager
- wholesale and manufacturing representative

#### **Contact Information:**

Business, W. P. Carey School of

Department of Marketing

<https://wpcarey.asu.edu/undergraduate-degrees>

BA 160

[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)

480-965-4227

## **Business (Spanish Language and Culture), BA (BABUSSLBA)**

**Campus:** Tempe, West

#### **Program Description:**

The BA in business with a concentration in Spanish language and culture is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and communication play an important role in ensuring success. The program mission is to

create global business professionals who can function culturally and linguistically in the business environment in both Latin America and the domestic market. Students complete rigorous courses within the Spanish language in addition to the skill and core courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSSLBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are equipped to play a key role in companies and organizations seeking new markets or dealing with international interests in the U.S. and are suited to the demands of small-business enterprises as well as multinational companies.

Currently, there is a demand for Spanish-speaking business professionals in the hotel and tourism industry and in consulting, banking and finance, international trade, sports management and media. Additionally, businesses of all types, especially locally, are actively recruiting bilingual applicants.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Sports Business), BA (BABUSMSBA)

**Campus:** Tempe

**Program Description:**

The BA program in business with a concentration in sports business is attractive to students with an interest in the sports industry. This concentration has been planned to provide students the necessary skills to build knowledge and understanding of the development of the strategic business process in sports organizations and its relationship to media. The proliferation of mass communication (including television, game systems and social networks) has transformed sports into a highly commercialized industry and, in turn, sports continue to generate revenues for these businesses. The interaction between sports and media has led to a multitude of applications of business knowledge to these fields. The sports business program offers a strong focus on applied elements of the sports industry, especially as it relates to media and its impact on the industry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSMSBA-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Career opportunities for graduates of this degree program could include jobs with titles such as:

- administrative service manager
- advertising and sponsorship salesperson
- agent
- business manager
- event planner
- management analyst
- operations specialist
- purchasing or buying manager
- wholesale and manufacturing representative

Graduates of this concentration find opportunities in mass communication, including television, game systems and social networks. The interaction between sports and media has led to a multitude of applications of business knowledge to these fields.

#### **Contact Information:**

Business, W. P. Carey School of  
Department of Marketing  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BAC 460  
wpcareyug@asu.edu  
480-965-3621

## **Business (Statistics), BA (BABUSTABA)**

**Campus:** West

#### **Program Description:**

The BA program in business with a concentration in statistics is designed for students interested in a curriculum that helps them develop solid business skills with an emphasis in mathematics and statistics. The program involves theoretical and applied statistics with a focus on practical and applied aspects of statistics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of

Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSTABA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared to move into business or governmental positions, using statistics to help make decisions and solve problems. They find positions such as:

- financial analysts
- market and survey researchers
- personal financial advisors
- statisticians

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
FAB N101  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
602-543-6200

## Business (Sustainability), BA (BABUSSBA)

**Campus:** Polytechnic, Tempe, West, Online

**Program Description:**

The BA in business with a concentration in sustainability is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and sustainability play important roles in ensuring success. Finding ways to grow and prosper while reducing the stress on the global environment is a critical issue facing today's society. Combining the latest trends in business with cutting-edge knowledge of sustainability prepares graduates to excel in career areas that will dramatically increase in demand. Students in this program complete rigorous courses within the sustainability concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements:**

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-sustainability/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSSBA-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Interest in sustainability issues is growing and most likely will be increasingly important to business in the next few years. People around the world are asking serious questions about how they can understand, evaluate and act on issues related to sustainability while making sensible business decisions for both the short and long run. Qualified individuals are needed, those who understand the societal, scientific and business aspects of the issues. Graduates from this degree program will fill these needs.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Technology), BA (BABUSTCBA)

**Campus:** Polytechnic

**Program Description:**

The BA in business with a concentration in technology is an innovative, transdisciplinary degree program intended to prepare students for positions in a variety of professions in which business and technology play an important role. The Bachelor of Arts in business with a concentration in

technology incorporates business knowledge and a strong skill set in technology. This program is designed to help students realize and analyze the relationship between business and technology.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSTCBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with a bachelor's degree in business with a concentration in technology bring a solid background in business to technology companies and also the technological skills necessary to apply their skills in a variety of industries.

**Contact Information:**

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<https://wpcarey.asu.edu/undergraduate-degrees>

SANTN 230

## Business (Tourism), BA (BABUSTBA)

**Campus:** Tempe, Online

### Program Description:

The BA in business with a concentration in tourism is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and tourism play important roles in ensuring success. Developing tourism and recreation opportunities requires an understanding of effective marketing techniques and the ability to interact with many different types of businesses that support those efforts. A solid academic preparation in business helps prepare students for success in the tourism industry and affiliated professions. Students in this program complete rigorous courses within the tourism concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

### Additional Program Fee: Y

### Second Language Requirement: N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

### Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-tourism/>)

### Change of Major Requirements:

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS:

<http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSTBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.



ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Tourism management and development combines marketing and economic development with an emphasis on managerial understanding to promote smooth operations. The combination of skills acquired from exposure to both business and tourism courses make graduates more marketable and productive in their careers.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Urban Policy), BA (BABUSUBA)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The BA in business with a concentration in urban policy is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and urban policy play important roles in ensuring success. Economic development and urban planning are inextricably linked. The urban policy concentration prepares students to address many of the challenges of rapid urban growth. Students in this program will complete rigorous courses that focus on the complexity and range of issues affecting the quality of urban planning and development in addition to the skill and core courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=BABUSUBA-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Historically, urban planners have had little business background; however, business success is a key ingredient in high-quality, dynamic urban policy. Graduates with a bachelor's degree in business with an urban policy concentration are equipped to deal with the wide range of economic and business development issues.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business Data Analytics, BS (BABDABS)

**Campus:** Tempe, Online

**Program Description:**

The BS program in business data analytics prepares business students with the requisite knowledge, skills and experience to create and manage big data initiatives as well as associated business processes to facilitate large-scale business data analytics in organizations. Students learn organizational and technical competencies to implement data gathering, cleansing, integration and modeling tasks as well as data asset analysis for business applications. The program covers data warehousing, dimensional modeling, big data analytics methods and visualization tools and techniques, and it introduces topics such as data mining and predictive analytics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements:**

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in exploratory social and behavioral sciences in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-business-data-analytics/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search ([https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABDABS-null + &college=CBA](https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABDABS-null+%&college=CBA)) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The demand for employees with business analytics skills is strong, with close to 89 percent of employers indicating their needs for new recruits skilled in business data analytics will increase in the future [source: Occupational Information Network (O\*NET)].

Graduates can become data analysts, data architects, data visualization developers, data change agents and data operators. Many graduates serve as architects, change agents and analytics tool suite operators for business and government.

**Contact Information:**

Business, W. P. Carey School of  
Department of Information Systems  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 301P  
wpcareyis@asu.edu  
480-965-3252

## Business Entrepreneurship, BS (BABUENTBS)

**Campus:** Tempe

**Program Description:**

The BS program in business entrepreneurship prepares students to identify, evaluate and develop entrepreneurial opportunities in existing companies or through new ventures. Students earning the degree may choose to start a new venture, work for a startup or a small business or work as an innovator within an existing organization. The program has an emphasis on collaboration, leadership, communication and team-building as

well as development in refined analytical, managerial and leadership skills appropriate for people who want to change the world through innovation.

Students in the program frequently collaborate with students from across the university for a breadth of understanding in all business disciplines and a depth of understanding in opportunity recognition, feasibility, management of resources and strategy. Students completing the program understand the unique requirements of an entrepreneur and learn how to operate effectively to identify market opportunities, innovative solutions and execution strategies.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer

Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUENTBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates may follow multiple self-directed paths such as starting a new venture or nonprofit organization, working for a new venture or a small business or working as an innovative leader within an existing organization.

#### **Contact Information:**

Business, W. P. Carey School of  
Department of Management and Entrepreneurship  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 323  
wpcareymgt@asu.edu  
480-965-3431

## **Business Exploratory, (BABUSEXP)**

**Campus:** Tempe

#### **Program Description:**

Virtually every profession and organization uses business in some way. Business exploratory students have an opportunity to explore a variety of areas in business prior to selecting one of these nine majors:

- accountancy
- business data analytics
- business entrepreneurship
- computer information systems
- economics
- finance
- management
- marketing
- supply chain management

Students have an opportunity to work with world-class faculty in an environment that values high-quality teaching. Majors in the W. P. Carey School of Business provide students with the skills and knowledge needed in today's companies --- whether they are starting their own businesses or working in large multinational corporations. Additionally, many graduates attend some of the other top-tier graduate schools in the country in a variety of disciplines.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

This major has higher admission standards. Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Transfer Admission Requirements:

For students who hold 30 or more transfer credit hours after high school: 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

**Change of Major Requirements:**

Students are not permitted to change their major to this degree program. Students admitted to this exploratory program who are ready to declare their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=BABUSEXP~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students in business exploratory have the opportunity to graduate from one of many BS degree programs in the W. P. Carey School of Business. For career opportunities, students should see the options highlighted in those specific programs.

**Contact Information:**

Business, W. P. Carey School of  
Prebusiness Office  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
480-965-4227

## Computer Information Systems, BS (BACISBS)

**Campus:** Tempe, Online

**Program Description:**

Computer information systems are part of every business and organization. In this degree program, students learn about the exciting and innovative ways that information technology is used to help organizations succeed. Dedicated faculty members teach students how to design, build and maintain information systems that support business operations and managerial decision-making. In particular, students learn about:

- business intelligence for competitive advantage
- business process for workflow redesign
- data management for decision-making
- distributed systems for collaboration and globalization
- enterprise integration for synergy
- project management
- solution development for value creation

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Additional Requirements:

Freshmen admission requirements: Students must have a score of 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

#### Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): Students must have a 3.00 transfer GPA and a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/computer-information-systems-bs/>)

#### Change of Major Requirements:

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BACISBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Currently, there is a shortage of information systems professionals, with many more jobs than graduates. With a degree in computer information systems, career choices are limitless. A computer information systems degree offers job opportunities in a variety of industries, including:

- education
- entertainment
- finance
- health care
- national defense
- transportation

Information systems are key components in the success of other functional business areas such as accounting, supply chain, finance and marketing. Entry-level information systems positions include:

- computer forensics analyst
- database administrator
- information systems consultant
- information technology security manager
- network administrator
- project manager
- software or systems developer
- systems administrator
- systems analyst

Long-term career aspirations for a student with a computer information systems degree include:

- chief executive officer
- chief information officer
- chief knowledge officer
- chief security officer
- chief technology officer

**Contact Information:**

Business, W. P. Carey School of  
 Department of Information Systems  
<https://wpcarey.asu.edu/undergraduate-degrees>  
 BA 301P  
 wpcareyis@asu.edu  
 480-965-3252

**Economics, BS (BAECNBS)**

**Campus:** Tempe, Online

**Program Description:**

The economics program requires a strong core of economic theory, supplemented by mathematics and data analysis. Students in this W. P. Carey BS degree program in economics choose from a variety of electives offered by the Department of Economics or electives offered by any other ASU department. All students are encouraged to develop programs of study tailored to individual needs and interests. The undergraduate program provides students with the critical-thinking and communication skills needed to succeed in business or graduate school.

The department's mission is to provide the highest quality instruction to students, conduct cutting-edge research in economics and provide leadership and service to professional communities.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Engineering Management, BSE

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").



Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

#### Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in exploratory social and behavioral sciences in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

Concurrent degree admission requirements: Engineering Management, BSE and Economics, BS:

- minimum 1250 SAT combined math and verbal (650 minimum on SAT math) or minimum 29 ACT combined score (29 minimum on ACT math), and
- 3.00 minimum ABOR GPA

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/economics-bs-wpc/>)

#### Change of Major Requirements:

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search ([https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAECNBS-null + &college=CBA](https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAECNBS-null+%&college=CBA)) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

A major in economics provides students with the analytical and quantitative skills needed to prepare them for careers in business, government or public policy. The program of study can also be tailored to prepare students for graduate programs in economics, business or law. Students interested in pursuing a doctorate in economics are strongly encouraged to minor or major in mathematics as well.

Graduates have taken positions such as:

- consultants who serve as advisers to state and federal governments as well as private corporations
- corporate economists who collect data and make forecasts relevant to the firm's business
- employment in banking and financial services firms

Each year, many graduates pursue additional studies at other prestigious universities.

**Contact Information:**

Business, W. P. Carey School of  
Department of Economics  
<https://wpcarey.asu.edu/undergraduate-degrees>  
CPCOM 412  
wpcareyecn@asu.edu  
480-965-3531

## Finance, BS (BAFINBS)

**Campus:** Tempe

**Program Description:**

The finance department has a rich tradition of educating leaders who excel in all aspects of the discipline of finance. Whether ascending to the top ranks of the venture capital industry, executing multimillion dollar real estate deals or becoming successful entrepreneurs with their own ideas and drive, graduates of the BS program in finance from the W. P. Carey School of Business are equipped to succeed.

In particular, the Investment Banking Industry Scholars program mentors students interested in going to Wall Street. The student investment management fund provides undergraduates the opportunity to manage a real-world investment portfolio worth hundreds of thousands of dollars.

Finance department faculty members are considered among the top in the world. The professional advisory board, comprised of leading professionals from the financial services, manufacturing, energy, investment banking and real estate sectors, provides a sounding board for new ideas and is a resource of jobs for top graduates.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

For students who hold 30 or more transfer credit hours after high school: 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second

major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=BAFINBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for careers in:

- consulting
- corporate financial management
- depository institutions
- financial services
- investment banking
- investment management
- portfolio analysis

**Contact Information:**

Business, W. P. Carey School of

Department of Finance

<https://wpcarey.asu.edu/undergraduate-degrees>

BAC 519

[wpcareyfin@asu.edu](mailto:wpcareyfin@asu.edu)

480-965-3131

## Food Industry Management, BS (BAFIMBS)

**Campus:** Polytechnic

ASU is no longer accepting new students to this program. Please explore Degree Search for similar program options.

**Program Description:**

The BS program in food industry management is unique and has been developed in close coordination with partners in the food industry to help ensure graduates have the knowledge and skills needed to become immediate leaders in the industry. Students combine core courses in business disciplines (finance, marketing, management, accounting, supply chain management and economics) with courses specific to the food industry.

Students select from courses in the following areas:

- environmental management and sustainability
- food industry sales and management
- food marketing strategy
- food retailing
- food supply networks
- futures and options markets
- innovation and food product development
- insurance

- pricing and promotion strategy in food markets
- retail information analysis
- risk management

Each of these courses addresses a different issue in which fundamental concepts, theoretical approaches, analytical methods and industry practice are unique to the food industry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to the College of Letters and Sciences will be contacted to select an appropriate major.

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAFIMBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The W. P. Carey degree program in food industry management prepares students for business careers in the food industry, which is defined as the group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and institutions such as schools and hospitals. Employing one in six people nationwide, there is a growing demand for professional management in an industry that is becoming increasingly competitive, sophisticated and global.

Potential careers for graduates include:

- brand manager for a food manufacturing firm
- commodities trader for an investment bank or hedge fund
- district manager for a food retailer
- loan officer for a bank with a food-industry portfolio

**Contact Information:**

Business, W. P. Carey School of  
Morrison School of Agribusiness  
<https://wpcarey.asu.edu/undergraduate-degrees>  
SANTN 230  
wpcareyug@asu.edu  
480-727-5183

## Management, BS (BAMGTBS)

**Campus:** Polytechnic, Tempe, West, Online

**Program Description:**

The W. P. Carey BS program in management prepares students to become effective managers and team leaders by providing theoretical and conceptual knowledge and by building critical skills such as:

- analytical research and problem-solving
- communication
- critical thinking
- global applications
- leadership
- personal ethics and integrity
- teamwork

The curriculum includes the fundamentals of the global economy, the world of e-business, ethics, human resource and strategic management, and collaborative team skills. Throughout the program, theories and concepts of management and ethical leadership are enhanced by experiencing and testing them in skill-based exercises, case discussions and real-world, team-based project work.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a

3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements:**

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-management/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMGTBS-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The management major prepares graduates for managerial leadership in a world characterized by:

- corporate accountability
- cross-functional management
- demands for continuous process improvements to enhance the value chain
- ethical decision-making
- growing technological sophistication
- racial, cultural and gender diversity in the workforce
- the fast pace of e-business
- the need for skills in communicating and working with people, directing projects and managing change

Graduates with skills in these areas are likely to be recruited by:

- for-profit and nonprofit organizations
- high-tech firms
- large and small organizations
- management consulting firms
- service and manufacturing firms

The ONET salaries below reflect median salaries, not starting salaries.

**Contact Information:**

Business, W. P. Carey School of

Department of Management and Entrepreneurship  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 323  
wpcareymgt@asu.edu  
480-965-3431

## Marketing, BS (BAMKTBS)

**Campus:** Tempe, Online

### Program Description:

Students pursuing the BS in marketing gain an understanding of the science behind consumer behavior and the critical role that marketing plays in all organizations. In addition, students develop marketing skills that provide a competitive advantage in their careers. The nationally ranked and award-winning marketing faculty share a passion for teaching and mentoring undergraduate students. Faculty members provide many productive ways for students to get involved in the life of the department and work with business partners.

The department is home to the Center for Services Leadership, the premier international center for the study of the science of services, and offers distinctive coursework in professional sales, relationship management and sports business.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-marketing/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search ([https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=BAMKTBS-null + &college=CBA](https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=BAMKTBS-null+%&college=CBA)) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Through the proper selection of coursework and other educational experiences, a marketing student may prepare for a variety of careers in areas such as:

- business development
- business-to-business marketing
- customer relationship management
- international marketing
- market research and information management
- marketing communications
- professional sales and relationship management
- retail management
- sales management
- services marketing

The degree program provides fundamentals, flexibility and specialization opportunities.

**Contact Information:**

Business, W. P. Carey School of

Department of Marketing

<https://wpcarey.asu.edu/undergraduate-degrees>

BAC 460

[wpcareymkt@asu.edu](mailto:wpcareymkt@asu.edu)

480-965-3621

## Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)

**Campus:** Tempe

**Program Description:**

Designed specifically for the marketing major, this digital and integrated marketing communications concentration builds on the knowledge provided in the major and prepares marketing students with specialized knowledge and training in the areas of advertising, brand management and digital marketing. The purpose of the concentration within the BS program in marketing is to equip students with cutting-edge knowledge in the marketing communications area so they are well-prepared to assume jobs in the areas of advertising, brand management and digital marketing. This concentration enhances the marketing degree by providing specialized expertise to our graduates in an area that is growing in importance in the marketplace.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate



**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMKDIMCBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

While the number and quality of job opportunities in advertising and brand management is relatively small, the number of entry-level positions in digital marketing has exploded. A sampling of career opportunities include:

- digital account manager
- digital marketing analyst
- digital marketing coordinator
- digital marketing specialist
- electronic marketing specialist

**Contact Information:**

Business, W. P. Carey School of  
Department of Marketing  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BAC 460  
wpcareymkt@asu.edu  
480-965-3621

**Marketing (Professional Sales), BS (BAMKTPSBS)**

**Campus:** Tempe

**Program Description:**

The W. P. Carey BS program in marketing with a concentration in professional sales is designed for undergraduate marketing students who are interested in pursuing the many opportunities in professional sales. The curriculum includes courses in professional sales as well as sales management and consumer behavior. This program prepares students to be successful account managers or sales team leaders in both business-to-business and business-to-consumer settings. An internship in sales, as a component of the professional sales concentration, is required.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-Academic-Catalog-Archive-2019-2020>)

advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <http://wpcarey.asu.edu/sos> (<http://wpcarey.asu.edu/sos>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=BAMKTPSBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The number of employers interested in hiring professionals for sales roles far exceeds the number of students who are pursuing career opportunities in sales. This concentration prepares students for careers in account management across a variety of industries in the business-to-business and consumer products domains.

#### **Contact Information:**

Business, W. P. Carey School of  
Department of Marketing  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BAC 460  
wpcareymkt@asu.edu  
480-965-3621

## **Supply Chain Management, BS (BASCMBMS)**

**Campus:** Tempe, Online

#### **Program Description:**

Supply chain managers coordinate the purchase of raw materials, the manufacturing and the transportation of materials across multiple vendors and multiple countries to provide the services and finished goods sitting on a local store shelf or available through an online retailer. It is a key reason that people can buy an ever-increasing variety of goods and services at remarkably low prices.

The BS program in supply chain management provides W. P. Carey School of Business students with an in-depth knowledge of integrated supply chain management. The curriculum focuses on:

- execution systems
- logistics
- negotiations
- operations
- planning
- procurement
- strategy development

Classes are small and use projects and case studies to bring the material to life.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### **Concurrent Degrees:**

This degree is also offered as concurrent degree program with Sustainability, BA

#### **Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

#### **Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Additional Requirements:

Freshmen admission requirements: Students must have a score of 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

#### Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): Students must have a 3.00 transfer GPA and a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/supply-chain-management-bs/>)

#### Change of Major Requirements:

Students should visit the W. P. Carey website (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>) (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>) to determine if they meet change of major requirements. Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BASCMBS-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Career track progression could lead to the vice president level in supply chain-related areas. Firms recruit ASU supply chain management graduates from around the world and in all sectors of the economy, including:

- health care
- manufacturing
- public and private
- retail

- service

Students from this program are highly sought after and have excellent placements. The following are some positions that supply chain management graduates have obtained:

- buyer or planner
- commodity manager
- distribution manager
- internet marketing analyst
- inventory specialist
- logistics planner
- materials manager
- operations planner or analyst
- planner or analyst
- product forecaster
- production coordinator
- production line manager
- production scheduler
- quality control specialist
- supply management analyst

**Contact Information:**

Business, W. P. Carey School of  
 Department of Supply Chain Management  
<https://wpcarey.asu.edu/undergraduate-degrees>  
 BA 446  
 wpcareyscm@asu.edu  
 480-965-6044

## Technological Entrepreneurship and Management, BS (TSTEM2BS)

**Campus:** Polytechnic, Online

**Program Description:**

The BS program in technological entrepreneurship and management advances the knowledge and practice of entrepreneurship and innovation. To enhance students' understanding of business fundamentals, the Fulton Schools of Engineering have partnered with the W. P. Carey School of Business to offer a degree that is jointly conferred by both colleges. The degree program prepares students to address social and corporate issues to impact and change the world; create, launch and improve technology-based products, services and ventures; and identify and solve open-ended problems using engineering and technology approaches.

Students receive a foundation in both technology and business fundamentals, with an emphasis on technology entrepreneurship and innovation in one of two focus areas: innovation and operation management or social entrepreneurship.

The objectives for this degree program are that students demonstrate the ability to identify, analyze and synthesize information to address and solve use-inspired, open-ended problems, assessing their impact on social, cultural and economic environments; formulate methodologies to advance the knowledge of entrepreneurship and innovation; launch technology-based products and services from idea generation through actualization; use quantitative and qualitative methods to demonstrate continuous improvement of products, services and processes; and utilize a systems approach for the effective design and improvement of entrepreneurial and innovation ventures.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Technology and Development, MS

Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-technological-entrepreneurship-and-management/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSTEM2BS~null>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Small businesses and startups create the majority of new jobs in the U.S. while larger corporations seek individuals who can see the big picture and solve complex problems. Students in the technological entrepreneurship and management program learn the range of skills needed to develop new products, services and business models as well as whole new industries. The technological entrepreneurship and management program prepares students for a wide variety of career possibilities; some examples are technology-based entrepreneurship, product development, consulting, venture capital analysis, business development, market analysis and technology marketing.

**Contact Information:**

Business, W. P. Carey School of

Tech Entrepreneurship & Mgmt

<https://poly.engineering.asu.edu/tem/bs-technological-entrepreneurship-and-management/>

WANER 230

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Design & the Arts, Herberger Institute for

### Architectural Studies, BSD (ARSTDBSD)

**Campus:** Tempe

**Program Description:**

Architects design buildings and environments that are useful, sustainable and aesthetically pleasing. This implies an understanding of people's needs, the science and technology of building and the concepts of aesthetics.

The faculty in The Design School offer a BSD in architectural studies. In addition to developing knowledge and skills in architectural design, building technology, landscape architecture and professional practice, students are encouraged to select electives from a broad range of approved courses within the institute and across the university. These electives may be selected to devise a minor, to further professional study or to enrich the student's academic experience in some other fashion.

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information

on the milestone process, students should refer to <https://design.asu.edu/resources/students/milestones> (<https://design.asu.edu/resources/students/milestones>).

This is an 8-semester program requiring sequential completion of studio coursework (or approved equivalent) at any point of entry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARSTDBSD-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the bachelor's degree program who wish to become licensed can complete their professional studies by attending graduate school and earning the accredited professional master's degree. In Arizona, other graduates work for registered architects for several years before taking their licensing examination. Some begin their careers working in small offices of 10 to 20 people; others work in very large firms, industries, corporations or governmental agencies.

**Contact Information:**

Design & the Arts, Herberger Institute for

The Design School

<https://design.asu.edu/degree-programs>

CDN 162

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Art (Art Education), BFA (FAARTEBFA)

**Campus:** Tempe

**Program Description:**

The BFA program in art with a concentration in art education involves:

- art learning strategies and processes
- facilitation of the teaching of art
- policymaking in art
- the study of art

The program focuses on public and private K-12 instruction, art in higher education and educational programs in art museums. Students investigate issues in art teaching and learning from multiple perspectives, including:

- art inquiry
- context

- development
- studio
- visual culture

In addition to their art education coursework, students are required to take coursework in the various studio programs offered in the School of Art.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which includes upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the art education concentration upon admittance to the BFA program in art.

**Transfer Admission Requirements:**

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the art education concentration upon admittance to the BFA program in art.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.



**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTEBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates who also complete the state certification requirements for an art specialist certificate can teach in public and private elementary schools, middle schools and high schools. Graduates who do not seek state certification may find opportunities for jobs with some charter schools, art museums, nonprofit art spaces and recreational or community-oriented service groups that offer art instruction.

**Contact Information:**

Design & the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/degree-programs/art-education>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Art (Art History), BA (FAARTHBA)

**Campus:** Tempe, Online

**Program Description:**

The BA in art history is a dynamic program for the investigation of visual culture in which students engage with a rich and diverse curriculum.

Internships are available at a wide range of arts organizations. The program is enriched by partnerships with the ASU Art Museum and museums across the Phoenix metropolitan area and beyond, including an affiliation with the Los Angeles County Museum of Art.

Graduates are admitted to prestigious graduate programs nationally.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically students in their second year who are interested in studio art and art education will submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200-level art requirements, or if they are interested in art history or museum studies they will submit a declaration form in the semester in which they complete 30 hours.

**Transfer Admission Requirements:**

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-art-history/>)

**Change of Major Requirements:**

An ASU student who would like to change a major to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTHBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of art history at the bachelor's degree level find employment opportunities in commercial art galleries, art museums and historical societies and archives. Other options include arts agencies and public art programs.

A graduate degree is essential for professional positions; a master's degree prepares individuals to teach at the community college level, practice and publish as an art critic or writer, enhance one's own practice as an artist, or gain entry into museums, archives, historical societies, auction houses, publishing companies and academic presses as well as to art libraries. The doctorate is a necessity for employment as a university or college teacher and for responsible administrative and curatorial positions in the museum and publishing world.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/art-history-museum-studies>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Art (Art Studies), BA (FAARTSTDBA)

**Campus:** Tempe

**Program Description:**

The art studies curriculum offers students a broad educational foundation in the arts and general studies. The BA in art with a concentration in art studies is a multidisciplinary program featuring coursework in art history, studio art, performing arts and a range of arts-related courses across the university. This concentration offers students a great deal of flexibility in planning coursework. The scope of offerings in art is unparalleled and the ability to combine art classes with offerings from other disciplines at ASU makes this a uniquely open degree. Art studies students can design a course of study focused on their individual aspirations in consultation with faculty advisors.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen may apply directly to the art studies program; there is no portfolio review for this major.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTSTDBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This program prepares students to initiate creative careers as visual artists or as professionals in the public and private spheres. The wide range of options include independent artist, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college professor, community-based artist (in healthcare settings, nonprofit agencies, local and national public arts) and many others. Career opportunities are also available with employers who seek graduates with a well-rounded humanities education.

**Contact Information:**

Design & the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/degree-programs/art-studies>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Art (Ceramics), BFA (FAARTCBFA)

**Campus:** Tempe

**Program Description:**

The BFA in art with a concentration in ceramics provides a stimulating and challenging environment for artistic and intellectual growth. With the realization that discipline, familiarity with historical precedents and freedom go hand in hand with creative activities, the area strikes a balance between the acquisition of traditional skills and the promotion of independence and innovation. Responsibility is placed on the individual student to find personally meaningful content and an effective means to express that content within the ceramic arts.

The ceramics program features a complete and varied line of kilns, wheels and other equipment. Faculty members ensure that students of the program learn the techniques and concepts that enable them to take their work in any direction they wish. A guest artist schedule enhances the program as does the Ceramics Research Center at the ASU Art Museum, which has a collection of more than 3,000 pieces and provides unparalleled opportunities to study and research the ceramic arts.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Ceramics concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Ceramics concentration upon admittance to the BFA program in art.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum

cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTCBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the undergraduate and graduate programs work as artists in the field, selling their works through commercial galleries, commissions and to private collectors. Some artists work as designers and consultants to the commercial ceramic industry; others set up their own businesses, producing handcrafted functional ware, architectural tiles and one-of-a-kind works.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/ceramics>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Art (Digital Photography), BFA (HIARTDPBFA)

**Campus:** Online

**Program Description:**

The BFA in digital photography teaches students to master the technical, aesthetic and conceptual aspects of photography in the information age.

Through assignments, readings, lectures, critiques, discussion and projects, students work with classmates, artists and faculty to develop and refine their own creative vision and comprehensive knowledge of the theory, practice and history of photography. Not bound by traditional schedules or the limitations of location, this program's flexibility creates a unique community of instructors and students and provides studio-practice art education to a wide and diverse student population.

The program culminates in a capstone course dedicated to producing a self-defined final portfolio of accomplished work.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/art-digital-photography-bfa/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=HIARTDPBFA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career possibilities for students with a degree in this concentration include:

- commercial photography
- curating
- editorial photography
- elementary and secondary education in art and visual literacy (with teacher training)
- fine art photography
- journalism and documentary photography
- photo book publishing
  - photo criticism
- photo editing for web, print publications
- photo web design
- photographic post-production (retouching)
- photography assistance
  - video and photo production

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu>  
ART 102  
[soaadmin@asu.edu](mailto:soaadmin@asu.edu)  
480-965-8521

## Art (Drawing), BFA (FAARTDBFA)

**Campus:** Tempe

**Program Description:**

The BFA in art with a concentration in drawing offers a dynamic environment for creative, intellectual and technical growth that leads to quality art practice and professionalism. The program encourages a wide spectrum of innovative approaches to contemporary drawing. Working from a variety of sources and subjects, students develop technical proficiency experimenting with a wide range of materials and processes. In addition, students develop the ability to critically assess imagery through written and verbal analysis. In their final year, students create a body of work with an individualized approach to form and content, culminating in a senior exhibition.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 142 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Drawing concentration upon admittance to the BFA program in art.

**Transfer Admission Requirements:**

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Drawing concentration upon admittance to the BFA program in art.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTDBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This program prepares students to initiate creative careers as visual artists and as professionals in the public and private sphere. Career opportunities depend on focused concentrations within the area and additional education or training per industry standards. Professions could include independent artist, illustrator, mural painter, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college professor, community-based artist (in healthcare setting, nonprofit agencies, local and national public arts) and many others.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/drawing-painting>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

**Campus:** Tempe

**Program Description:**

The BFA program in art with a concentration in fibers cultivates an environment that stimulates creative and intellectual growth. Coursework ranges from the spinning and processing of raw fiber to digital textile printing. With focus on techniques such as weaving, dyeing, textile printing and fiber sculpture, students are encouraged to discover their individual artistic voice. Throughout the program, students are challenged to utilize and interpret textile traditions while considering innovative and interdisciplinary approaches to contemporary practices.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Fibers concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Fibers concentration upon admittance to the BFA program in art.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").



Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=FAARTFBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates leave the program prepared to pursue a diverse range of professional careers reflecting the breadth of the textiles field. Utilizing the technical skills gained, they have established careers in design, as varied as working in industry creating commercial items to setting up boutique studios for the creation of one-of-a-kind fabrics for garments and interiors. Others have chosen to pursue graduate degrees in art or design or in fields adjacent to textiles such as business or technology. Graduates continue to develop their art practice once leaving ASU, with outcomes that range from continued personal explorations to professional gallery exhibitions.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/fibers>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Art (Intermedia), BFA (FAARTIBFA)

**Campus:** Tempe

**Program Description:**

Students of the intermedia art concentration study traditional and emerging forms and orientations, including performance, installation, 3D fabrication, digital sculpture, public and place-based art, digital animation, and experimental and documentary video.

Faculty also teach special topics, including the recent studio seminars on walking as art practice and the engagement of women in the field of art and technology. Intermedia faculty nurture students' talents and provide them with the skills to capture creative and professional opportunities, exhibitions, grants, commissions, residencies and employment as educators, curators, and media and arts professionals across an array of established and emerging fields.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Intermedia concentration upon admittance to the BFA program in art.

**Transfer Admission Requirements:**

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Intermedia concentration upon admittance to the BFA program in art.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTIBFA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities depend on the emphasis selected. Possibilities include:

- computer graphics and animation
- community-based artist (in schools, healthcare setting, nonprofit agencies)
- event production and cultural production
- positions in the music or entertainment industry
- video production and post-production
- web-based entertainment, education and communication

Professions could include:

- animator
- art director and set designer
- audio and video equipment technician
- commercial and industrial designer
- elementary or secondary school teacher
- independent artist
- marketing and public relations director
- media consultant
- museum and gallery curator, staff, director or art dealer
- performer

- professor
- video and media producer or designer
- video game designer

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/intermedia>  
ART 102  
herbergeradvising@asu.edu  
480-965-8521

## Art (Museum Studies), BA (FAARTMSBA)

**Campus:** Tempe

**Program Description:**

The BA in art with a concentration in museum studies undergraduate program at ASU is one of the most rigorous in the U.S.

Through coursework and internships, students of museum studies explore art and museums, historical societies, archives, art galleries, public art programs, arts publishing and arts agencies. The program ensures that students are knowledgeable in art history and visual thinking as well as in museum practice. Upon completion, students possess critical-writing skills and foreign language ability. (Students must demonstrate an ability to read at least one foreign language).

The curriculum includes art history courses taught by faculty with diverse specialties. Museum professionals and arts administrators teach specialized classes in their areas of expertise. Internships enable students to work directly with working arts professionals in their field of interest. In addition to art history and museum studies courses, students also pursue a range of other courses, which can include in business, marketing, fundraising, international tourism and nonprofit management.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 142 OR MAT 119

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically students in their second year interested in studio art and art education submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200-level art requirements, or if they are interested in art history or museum studies they submit a declaration form in the semester in which they complete 30 hours.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTMSBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with a bachelor's degree in museum studies find employment opportunities in museums (generally entry-level), art galleries, archives, historical societies, art-based organizations and agencies and with art publishers and publications.

A graduate degree is necessary for many professional positions. An MA in art history or museum studies prepares individuals to teach at the community college level, to practice and publish as an art critic or writer, to enhance one's own practice as an artist or to gain entry into museums, archives, historical societies, auction houses, publishing companies and academic presses, as well as to art libraries. The PhD is necessary for responsible administrative posts in museums and higher education and for employment as a university or college faculty member.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/art-history-museum-studies>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Art (Painting), BFA (FAARTPABFA)

**Campus:** Tempe

**Program Description:**

The BFA in art with a concentration in painting offers a dynamic environment for creative, intellectual and technical growth that leads to quality art practice and professionalism. The program encourages a wide spectrum of innovative approaches to contemporary painting. Working from a variety of sources and subjects, students develop technical proficiency experimenting with a wide range of materials and processes. In addition, students develop the ability to critically assess imagery through written and verbal analysis. In their final year, students create a body of work with an individualized approach to form and content, culminating in a senior exhibition.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if a student wishes to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Additional Requirements:

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Painting concentration upon admittance to the BFA program in art.

#### Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Painting concentration upon admittance to the BFA program in art.

#### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTPABFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

This program prepares students to initiate creative careers as visual artists and as professionals in the public and private sphere. Career opportunities depend on focused concentrations within the area and additional education or training per industry standards. Professions could include independent artist, illustrator, mural painter, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college professor, community-based artist (in healthcare setting, nonprofit agencies, local and national public arts) and many others.

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Art

<https://art.asu.edu/degree-programs/drawing-painting/>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Art (Photography), BFA (FAARTPHBFA)

**Campus:** Tempe

### Program Description:

Students in the BFA program in art with a concentration in photography are offered an education in the creation and analysis of photographs as a form of creative expression. Students work in a wide range of photographic media including specialized 19th-century processes, traditional black-and-white and state-of-the-art digital output.

The internationally recognized photography faculty at ASU are diverse, representing and encouraging a wide range of approaches to the creation of photo-based art. Students learn to be self-disciplined and self-directed to understand complex ideas around how images function in their work and to develop a strong sense and control of the craft of photography. The Northlight Gallery engages students and provides opportunities to learn about gallery and museum practice through mounting exhibitions and working with artists and the collection.

A portfolio submission is required for a BFA with a concentration in photography. Students are not able to register for upper-division photography courses until their portfolio has been submitted and reviewed (typically submitted during the second year of study). To be eligible to submit their portfolio, a student must have completed two courses: ART 201 and ART 204 OR ART 205 (transfer credit applicable).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTPHBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A degree in the arts offers students a pathway to a rich and varied choice of careers. Students with a photography degree may work as independent studio photographers or contract for commercial work for firms, museums, galleries, individuals and other artists. Though this is not a commercial degree program, some students apply their skills post-graduation by doing product photography, portraits or event photography. Students have also started their own successful art galleries.

Photo skills hone a particular sensitivity to issues of representation and a heightened sense of time, among many other life-enhancing attributes. These critical and creative sensitivities can be brought to bear in life after graduation whatever career path a student chooses. The bachelor's degree is essential for advanced study leading to the terminal MFA. This advanced degree offers opportunities in:

- curatorial work in galleries, museums and historical collections
- history or studio areas
- nonprofit arts organization management
- university teaching

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/photography>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Art (Printmaking), BFA (FAARTPMBFA)

**Campus:** Tempe

**Program Description:**

The BFA in art with a concentration in printmaking provides a complete studio experience with regular courses in book arts, digital processes, intaglio, lithography, papermaking, photogravure, relief, screenprint and other graphic applications. Faculty teach in spacious, well-equipped studios that offer a complete range of print media. While individual students are encouraged to pursue a personal direction, the faculty encourage students to become well-rounded printmakers by experiencing and understanding many media processes and approaches. No style, technique or aesthetic approach is stressed over another, so the individual quality of each student's work is the essential measure of achievement. Collaboration, experimentation and transdisciplinary approaches to making art are encouraged, and students often work with other areas in the School of Art, such as photography, intermedia, painting, drawing and sculpture.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Additional Requirements:

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Printmaking concentration upon admittance to the BFA program in art.

#### Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Printmaking concentration upon admittance to the BFA program in art.

#### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTPMBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Trained printmakers are working artists, practicing the expression of a personal understanding of their place in the world. They may find employment as artists or printmakers in schools of all levels teaching the execution and appreciation of visual art. They also work in fine art print studios, executing original prints for other artists. Printmaking skills such as screenprinting or photomechanical and digital techniques, acquired for the production of art, also have commercial, non-art applications that may afford skilled employment. Artists with printmaking skills may also work with graphic designs, illustrations and signage or may work in museums, conservation, publishing, galleries and in other art-related activities. Additionally, their art may sell successfully in the open marketplace.



**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/printmaking>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

**Art (Sculpture), BFA (FAARTSBFA)**

**Campus:** Tempe

**Program Description:**

The BFA in art with a concentration in sculpture recognizes the broad, transdisciplinary nature of sculpture today. A wide range of media now falls within an expanded definition of sculpture.

Coursework covers public and site-specific sculpture, foundry, interactive and electronic sculpture, neon, small metals, wood, and video and sound installation. Students learn to put today's creations in the context of the history of sculpture and the larger field of contemporary art. Critical inquiry is augmented by courses in the art history program. Visiting artists, curators and critics share their experience directly with students.

Through one-on-one mentoring, students learn to win commissions and awards, hold exhibitions, and obtain residencies and jobs as studio artists, public artists, fabricators, project managers, teachers and arts administrators.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Sculpture concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance

standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Sculpture concentration upon admittance to the BFA program in art.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTSBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to embark on a lifetime exploration of the many aspects of 3D art. Positions are available in:

- 3D design
- fabrication and design of exhibitions
- set design
- teaching
- the motion picture industry
- welding and foundry technician work

Many students also prefer to establish their own studios after graduation.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/sculpture-metals-woods>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Arts (BA in the Arts), BA (FAATSBA)

**Campus:** Tempe

**Program Description:**

The BA in the arts is an interdisciplinary degree program designed for students who are passionate about the arts and interested in combining knowledge about multiple arts disciplines.

Students gain an increased understanding of the theoretical, historical and cultural forces that shape the arts through an open-ended path for the exploration and development of a range of skills that is valuable for advanced study in multiple areas.

The major includes a common core for all students, and students choose a focus from arts administration or entertainment design or the student may design a focus that is subject to approval by the institute's standards committee and the dean's office.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

## **Program Math Intensity:** General

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAATSBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

As the population in the state of Arizona grows, numerous arts organizations are being developed to provide cultural and artistic experiences for the state's residents. These organizations will need and demand individuals who understand the impact the arts have on society and who would be passionate employees committed to the arts. This program provides the necessary skill set, including critical-thinking, for such careers as:

- arts administrators
- arts critics
- entertainment designers
- media arts authors and publishers
- museum curators and directors
- public art specialists

### **Contact Information:**

Design & the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

[https://herbergerinstitute.asu.edu/degrees/ba\\_arts/](https://herbergerinstitute.asu.edu/degrees/ba_arts/)

CDS 101

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## **Dance, BFA (FADANBFA)**

**Campus:** Tempe

### **Program Description:**

The School of Film, Dance and Theatre provides a dynamic and culturally diverse learning environment in which students develop as creative artists, scholars and educators. The BFA program in dance offers a transdisciplinary curriculum that emphasizes collaboration and a holistic approach to education. The program encourages artists of the 21st-century to develop multiple skills for success in the arts and related fields.

The core values of the program include creativity, research, leadership, reflection, humanity and context. These values are embedded in a broad Academic Catalog Archive 2019-2020

range of academic experiences that emphasize:

- creative practices --- the study of the creative process and dance-making using improvisation, choreography and interdisciplinary approaches
- dance and digital arts
- dance history, ethnography and philosophy
- movement practices --- the study of the theory, history and technique of a range of dance forms and mind-body practices, including contemporary ballet, postmodern contemporary dance, somatic practices and urban dance practices
- seminars

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must successfully complete an interview and audition before enrolling in the dance major. If a student passes the interview, the School of Film, Dance and Theatre will change the student's major to the BFA in dance. In the event the student is admitted to ASU but not selected as a dance major or misses the interview application deadline, the student enters ASU as a dance interview student and will need to successfully pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days take place in November, February and April of each year. To ensure a smooth curricular progression, all prospective dance students, including transfer students, are strongly encouraged to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at <https://filmdancetheatre.asu.edu/degree-programs> (<https://filmdancetheatre.asu.edu/degree-programs>).

Application Deadlines: Students should visit [filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements](https://filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements) (<https://filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements>) for more details on Dance Interview Day requirements and Deadlines.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Application Deadlines: Students should visit [filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements](https://filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements) (<https://filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements>) for more details on Dance Interview Day requirements and Deadlines.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=FADANBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

The comprehensive academic foundation of the Bachelor of Fine Arts program in dance prepares students to be leading dance professionals of the 21st-century. Graduates of the program have the expertise to pursue professions as choreographers, performers, educators, community artists, scholars and much more. After leaving ASU, many graduates:

- conduct academic research
- curate or produce dance festivals and events
- direct or manage performing art companies, studios or dance-related organizations
- facilitate community partnerships and projects
- produce dance media for performance or instruction
- pursue certification in somatic practices (Laban Movement Analysis, Feldenkrais, Alexander Technique, Body-Mind Centering, etc.)
- teach and design curriculum
- work as a dance critic
- work in technical theatre and dance production
- work in the areas of health and wellness (fitness, yoga, massage therapy, etc.)
- work in the field of arts management and administration
- write for scholarly publications

### **Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## **Dance (Dance Education), BFA (FADANEBA)**

**Campus:** Tempe

### **Program Description:**

The BFA in dance with a concentration in dance education prepares students for certification to teach dance in K-12 schools in the state of Arizona. Students in this program are required to complete additional state certification requirements.

The School of Film, Dance and Theatre provides a dynamic and culturally diverse learning environment in which students develop as creative artists, scholars and educators. Studies in dance cultures, music, digital media, dance history, philosophy and criticism, movement science, somatics, and stage and screen production enhance the rich educational setting. Creativity and research, the core program values, are embedded in a broad range of academic experiences emphasizing movement and creative practices, artistic process, leadership and pedagogy.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must successfully complete an interview and audition before enrolling in the dance major. If a student passes the interview, the School of Film, Dance and Theatre changes the student's major to the BFA in dance. In the event that the student is admitted to ASU but not selected as a dance major or misses the interview application deadline, the student enters ASU as a dance interview student and must successfully pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days take place in November, February and April of each year. To ensure a smooth curricular progression, all prospective dance students, including transfer students, are strongly encouraged to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at <https://filmdancetheatre.asu.edu/degree-programs> (<https://filmdancetheatre.asu.edu/degree-programs>).

Application Deadlines: Students should visit [filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements](https://filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements) (<https://filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements>) for more details on Dance Interview Day requirements and Deadlines.

**Transfer Admission Requirements:**

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Application Deadlines: Students should visit [filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements](https://filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements) (<https://filmdancetheatre.asu.edu/admissions/bachelor-of-fine-arts-dance-admission-requirements>) for more details on Dance Interview Day requirements and Deadlines.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FADANEBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The concentration in dance education lays the foundation for a career in teaching in public and private settings. Students earn an Arizona teaching certification while pursuing the dance education degree, and they can expect to find employment in one of many thriving middle school and high school dance programs throughout the state or in more informal community settings.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Design Studies, BA (ARDSNBA)

**Campus:**

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The BA in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories: communication for design, design history and general design.

It provides a design education, general and specific, to students who seek opportunities in the broader design sector or in graduate education.

Students may undertake the program in one of two specific concentrations: design studies, which allows students to discover the myriad possibilities of design as a subject area as well as the flexibility that it provides for further exploration; or design management, which offers a selection of courses in management and human communication that complement design.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARDSNBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Although a specific career path is not the principal intention, graduates of the program have become involved in sales and marketing in the design sector; others have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

**Contact Information:**

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://design.asu.edu/degree-programs>  
CDS 101  
herbergeradvising@asu.edu  
480-965-4495

## Design Studies (Design Management), BA (ARDSNMBA)

**Campus:**

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The BA in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories: communication for design, design history and general design.

It provides a design education, general and specific, to students who seek opportunities in the broader design sector or in graduate education.

The concentration in design management offers a selection of courses in management and human communication that complement design and allows for more focused study in these areas.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARDSNMBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.



**Career Opportunities:**

Although a specific career path is not the principal intention, graduates of the program have become involved in sales and marketing in the design sector; others have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

**Contact Information:**

Design & the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://design.asu.edu/degree-programs>  
CDS 101  
herbergeradvising@asu.edu  
480-965-4495

## Digital Culture, BA (HIDGCBA)

**Campus:** Tempe

**Program Description:**

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All have gained techniques to change the world through communication using contemporary computational media, a vital power in the 21st-century. Some graduates go on to invent fresh techniques.

This program is also offered as an accelerated degree with an MA in creative enterprise and creative leadership. More information can be found on the Creative Enterprise and Cultural Leadership website: <https://herbergerinstitute.asu.edu/research-and-initiatives/enterprise-and-entrepreneurship-programs/curb-enterprise-leadership/master-of-arts> (<https://herbergerinstitute.asu.edu/research-and-initiatives/enterprise-and-entrepreneurship-programs/curb-enterprise-leadership/master-of-arts>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities include the following fields:

- audio
- comparative literature
- computing
- creative writing
- technical writing
- technology
- visual media

Digital culture alumni have obtained careers as:

- 3D modelers
- designers
- graphic designers
- engineers
- programmers
- software specialists
- special effects artists
- visual media artists

**Contact Information:**

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF B 217  
digitalculture@asu.edu  
480-965-9438

## Digital Culture (Art), BA (HIDGCABA)

**Campus:** Tempe

**Program Description:**

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

The program is for students wishing to specialize in visual composition aspects of new media. Students complement their knowledge of digital culture with discipline-specific courses in the School of Art focused on the historical and theoretical aspects of visual arts, foundational visual arts skills and hands-on knowledge of visual composition through digital means.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques.

Digital Culture - Art Concentration

The digital culture program with a concentration in art is for students wishing to specialize in visual composition aspects of new media. Students complement their knowledge of digital culture with discipline-specific courses in the School of Art focused on the historical and theoretical aspects of visual arts, foundational visual arts skills and hands-on knowledge of visual composition through digital means.

**Additional Program Fee:** Y

**Second Language Requirement: N****First Required Math Course:** MAT 210 - Brief Calculus**Program Math Intensity:** Moderate**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)International (<https://students.asu.edu/international/future>)Readmission (<https://students.asu.edu/readmission>)**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCABA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education are well prepared to apply for admission to the graduate programs through the School of Arts, Media and Engineering at ASU and other top interdisciplinary new media programs in the nation.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design &amp; the Arts, Herberger Institute for

Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF B 217  
digitalculture@asu.edu  
480-965-9438

## Digital Culture (Arts and Design Studies), BA (HIDCADSBA)

**Campus:** Tempe

### Program Description:

The BA in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques.

Digital Culture - Arts and Design Studies Concentration

The digital culture program with a concentration in arts and design studies is for students wishing to integrate transdisciplinary studies in design and the arts into new media applications.

Students complement their knowledge of new media with broad-based transdisciplinary studies in design and the arts.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDCADSBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF B 217  
digitalculture@asu.edu  
480-965-9438

## Digital Culture (Design), BA (HIDGCDBA)

**Campus:** Tempe

**Program Description:**

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques.

Digital Culture - Design Concentration

The digital culture program with a concentration in design allows students to specialize in hybrid (physical and digital) product and space design. Students complement their knowledge with an understanding of the principles of space and product design as well as the historical and theoretical aspects of design, and they develop integrative design approaches to the digital and physical elements of hybrid products and spaces.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCDBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education are well prepared to apply for admission to the graduate programs through the School of Arts, Media and Engineering at ASU and to other top interdisciplinary new media programs in the nation.

Digital culture alumni have received job opportunities in the following fields:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

### **Contact Information:**

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF B 217  
digitalculture@asu.edu  
480-965-9438

## **Digital Culture (English), BA (HIDGCENBA)**

**Campus:** Tempe

**Program Description:**

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques.

**Digital Culture - English Concentration**

The digital culture program with a concentration in English is designed for students who wish to explore the historical, scientific and theoretical intersections of art, media and technology. Sharing of stories and media through electronic communities, participatory art-making and creativity forums on the web, gaming, digital movies and effects, mediated public spaces and electronic design are only a few of the new activities that are defining and evolving culture. Students in the major assist in the establishment, evolution and proliferation of such culture at the state, national and international level. Students will use tools of inquiry to examine, analyze and create works of art through a hands-on approach to communication, writing, rhetoric and literacies in collaboration with the English department.

**Additional Program Fee:** Y**Second Language Requirement:** N**First Required Math Course:** MAT 210 - Brief Calculus**Program Math Intensity:** Moderate**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCENBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities include fields in which the following are sought: technology commentary, future studies, design fiction, technical writing, creative writing, comparative literature and fields in which collaboration is needed.

**Contact Information:**

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>

STAUF B 217

[digitalculture@asu.edu](mailto:digitalculture@asu.edu)

480-965-9438

## Digital Culture (Film), BA (HIDGCFBA)

**Campus:** Tempe

### Program Description:

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and reasoned judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques.

### Digital Culture - Film Concentration

The digital culture program with a concentration in film is for students wishing to integrate digital aspects of film into new media. Students complement their knowledge of digital culture with discipline specific courses in the School of Film, Dance and Theatre that focus on the foundations of filmmaking practices, historical and theoretical aspects of film, knowledge of the film industry and hands-on knowledge of digital processes in filmmaking processing skills.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCFBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of digital culture have a wide array of career opportunities in new media, involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:



- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design & the Arts, Herberger Institute for  
 Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
 STAUF B 217  
 digitalculture@asu.edu  
 480-965-9438

## Digital Culture (Graphic Information Technology), BA (HIDGCTEBA)

**Campus:** Tempe

**Program Description:**

The BA in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; to breathe behavior into media, objects or systems by programming; and to think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques.

Digital Culture - Graphic Information Technology Concentration

This digital culture program in graphic information technology is offered in partnership with the Ira A. Fulton Schools of Engineering. Students complement their knowledge of new media with technology and new media entrepreneurship skills, knowledge of legal and ethical issues for technology, and additional skills in graphic communication, digital illustration and design methodology.

Students should be advised that while most requirements can be completed at the Tempe campus, courses specific to this concentration take place on the Polytechnic campus.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)

### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCTEBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top transdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

### **Contact Information:**

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
STAUF B 217  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-9438

**Campus:** Tempe

**Program Description:**

The BA in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic era.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques.

Digital Culture - Interdisciplinary Arts and Performance Concentration

This digital culture program in interdisciplinary arts and performance is offered in partnership with the New College of Interdisciplinary Arts and Sciences. The program focuses on a transdisciplinary and collaborative approach to the arts, technology and performance. It emphasizes the traditions of transdisciplinary, avant-garde and experimental arts and on contemporary art and performance. Courses include digital media arts, music and electronic sound art, performance studies, theatre and performance practice, and digital graphics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDCIAPBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
STAUF B 217  
digitalculture@asu.edu  
480-965-9438

## Digital Culture (Media Processing), BA (HIDGCMPS)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Students interested in a media processing concentration should apply to the BS in digital culture (media processing) (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/HIDGCMPS/undergrad/false>).

**Program Description:**

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques. Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media.

Digital Culture - Media Processing Concentration

This digital culture program with a concentration in media processing is offered in partnership with the Ira A. Fulton Schools of Engineering. The program is designed for students who desire to specialize in media processing aspects of new media. Students complement their knowledge with a more advanced understanding of programming, data structures, signals processing and system architecture aspects of new media.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=HIDGCMPPBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
STAUF B 217  
digitalculture@asu.edu  
480-965-9438

## Digital Culture (Media Processing), BS (HIDGCMPPBS)

**Campus:** Tempe

**Program Description:**

The BS program in digital culture with a concentration in media processing is for students wishing to specialize in media processing aspects of new media. This program seeks to understand the transformative role of digital technology in cultural practice, society and day-to-day life, emphasizing the strongest emerging trends in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. Students in the Bachelor of Science program complement the knowledge acquired through digital culture coursework with a more

advanced understanding of the programming, data structures, signals processing and system architecture aspects of new media.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students must have a 3.00 GPA to transfer into the digital culture program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCMPBS~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities include positions in the following fields: graphic design, design, audio, visual media, computer science, technology, technical writing, creative writing and comparative literature.

Digital Culture alumni have obtained careers as: graphic designers, 3D modelers, special effects artists, visual media artists, programmers, engineers and software specialists with Apple, Microsoft, CISCO, Industrial Light and Sound, PIXAR, and other techno-centric companies.

**Contact Information:**

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<https://digitalculture.asu.edu/>

STAUF B217

[digitalculture@asu.edu](mailto:digitalculture@asu.edu)

480-965-9438

## Digital Culture (Music), BA (HIDGCMBA)

**Campus:** Tempe

**Program Description:**

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and reasoned judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques.

Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

## Digital Culture - Music Concentration

In the digital culture program with a concentration in music, students complement their knowledge of digital culture with discipline-specific courses in the School of Music. These courses focus on understanding the foundations, historical and theoretical structures of commercial and popular music, and the principles of electronic music composition and digital sound.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCMBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of digital culture have a wide array of career opportunities in new media to choose from, in fields such as:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development

- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design & the Arts, Herberger Institute for  
 Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
 STAUF B 217  
 digitalculture@asu.edu  
 480-965-9438

**Digital Culture (Theatre), BA (HIDGCTBA)**

**Campus:** Tempe

**Program Description:**

The BA in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media and computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and to think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st-century. Some go on to invent fresh techniques.

Digital Culture - Theatre Concentration

The digital culture program in theatre is for students who desire to integrate principles of design and production with digital culture. Students complement their knowledge of digital culture with discipline specific courses in the School of Film, Dance and Theatre that focus on understanding the fundamentals and principles of theatre design, including scene, lighting, sound, costume and multimedia design, while developing art and technical direction and digital design skills.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

- General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCTBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.



include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in the following fields:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

#### **Contact Information:**

Design & the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
STAUF B 217  
digitalculture@asu.edu  
480-965-9438

## **Environmental Design, BS (HIEDSBS)**

**Campus:** Tempe

#### **Program Description:**

The BS in environmental design offers an integrated curriculum in environmental design primarily in a nonstudio format. This undergraduate program is designed to create a deep awareness and knowledge of issues that influence the design of built environments and the design of artifacts in general.

The program of study emphasizes general knowledge and design research as well as focus areas. Focus areas include histories and theories of design; innovation, technology and design strategies; and sustainability in environmental design. The curriculum provides special understanding of theories, technologies, social issues and management aspects related to the student's chosen focus area. While studio courses cannot be taken as electives, students take career-specific design electives and the degree prepares students for all graduate programs in The Design School.

The program is not a professional degree program but provides a broad base of skills and knowledge in environmental design.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIEDSBS~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program may take on roles in offices, businesses, public institutions and industries that require an awareness of issues that affect environmental design. Additionally, graduates may choose to apply to graduate programs in related disciplines to pursue professional or other graduate degrees.

**Contact Information:**

Design & the Arts, Herberger Institute for

The Design School

<https://design.asu.edu>

CDN 162

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Fashion, BA (HIFSHBA)

**Campus:** Tempe

**Program Description:**

The BA in fashion combines history, business practices and hands-on studio experience to prepare students for a variety of roles in this important industry. This program is distinguished from other fashion programs in the U.S. through its integration with other research disciplines in the university.

Students have the opportunity to pursue tracks in marketing and merchandising, costuming, wearable technology, sustainability, management and leadership, international experience, and fashion and culture. In the capstone experience, students develop a substantial project within their focus track. Opportunities for internships and study abroad further advance students' professional goals.

Through the leadership of well-known industry professionals, students with the bachelor's degree in fashion are connected globally to leaders in the industry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIFSHBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to enter a variety of roles in the fashion industry, including fashion designers, merchandise display and window designers, textile and apparel production managers, fabric designers, marketing researchers and other fashion business analysts, supply chain managers for the apparel industry, fashion critics, curators and many other related positions.

**Contact Information:**

Design & the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/>

School of Art

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Film (Film and Media Production), BA (FAFLMBA)

**Campus:** Tempe

**Program Description:**

By bringing their own unique stories to life, students pursuing the BA in film with a concentration in film and media production develop a comprehensive and practical knowledge of digital media production, an awareness of the impact of media and entertainment on audiences and culture, and an understanding of the role of the artist in society. Students in the concentration have access to digital cameras, lighting and sound equipment, post-production software and facilities, and other resources that will give them an opportunity to produce projects of exceptional quality.

Within this concentration, students have a choice between three upper-division tracks of study: directing, producing and media technology (including cinematography, post-production and sound). Each course of study is supported by the degree-wide emphasis on ethical filmmaking practices, innovative creative expression and preparation for a career as an industry professional.

All students enter as majors in the filmmaking practices concentration. After completing the required five core film degree courses (15 credits), students are eligible to apply to the studio-based concentration in film and media production. Students who enter ASU as freshmen typically apply for the film and media production program in their third or fourth semester; transfer students may apply earlier depending on academic record, experience and preparation.

The program is offered by the School of Film, Dance and Theatre.

**Additional Program Fee:** Y

**Second Language Requirement: N****First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:****General University Admission Requirements:**

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

All film students will be admitted to ASU into the Bachelor of Arts in film, filmmaking practices concentration. Students who wish to pursue the highly selective, studio-based Bachelor of Arts in film, film and media production concentration must complete the 15-hour film core and successfully pass an interview and review of their creative work to enter the concentration. This interview and creative work review generally takes place in the third or fourth term at ASU.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAFLMBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The film and media production concentration provides students with the knowledge and experience to prepare them to enter careers in media and entertainment as:

- cinematographers and camera operators
- directors for motion pictures, television and documentary
- editors and post-production specialists
- producers and production executives
- screenwriters for motion pictures and television
- videographers and digital media content creators

The bachelor's degree program is an excellent broad-based foundation for work in the profession or to prepare students for further training at graduate schools or conservatories.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

**Film (Filmmaking Practices), BA (FAFPRBA)**

**Campus:** Tempe

**Program Description:**

Students who pursue the BA in film with a concentration in filmmaking practices receive grounding in fundamental production skills; entertainment and media ethics; feature, short, and episodic screenwriting; and general film and media industry history and practices.

Students have the option of two tracks of study in the upper division: screenwriting or preprofessional. Students who choose the track in screenwriting are required to take multiple writing courses at the intermediate and advanced levels. Students in the preprofessional track chose among a series of course options in each of these areas: writing, producing, and film and media technology.

Production experience is regularly available through select lower-division courses that provide creative coursework options, the upper-division course FMP 300 and credited opportunities to work on projects produced by students, faculty, and the School of Film, Dance and Theatre. All students complete a year-long senior project, initiated and developed by the students and supported with dedicated faculty mentorship, and are supported in their professional goals through the innovative Film Spark program in Santa Monica, Calif.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAFPRBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The filmmaking practices concentration provides preprofessional students with the knowledge and experience to prepare them for entry-level positions in media and entertainment production; producing; public relations, marketing and management; or to enter advanced graduate-level education. Screenwriting allows students to develop a diverse and unique writing portfolio and an understanding of the creative and professional skills required to establish and maintain a successful career as a writer.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Graphic Design, BSD (ARGRABSD)

**Campus:** Tempe

**Program Description:**

Graphic designers are responsible for designing how information is communicated. Forms of communication include print, video, film and electronic (web). Graphic designers are concerned with:

- appearance
- choosing the appropriate mechanism for communication
- clarity of information and its effectiveness
- how communication is transferred and received

The BSD program in graphic design places an emphasis on strategic communication developed through a design process that includes research, analysis, conceptualization, planning and realization. The process leads to innovative visual communication design solutions for contemporary design problems that are local to global in scope.

All students who are admitted to the major must pass a degree milestone at the end of the first year to continue in the major. For more information on the milestone process, students should visit <https://design.asu.edu/resources/students/milestones> (<https://design.asu.edu/resources/students/milestones>).

This is an 8-semester graphic design program that requires sequential completion of studio coursework (or approved equivalent) at any point of entry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARGRABSD-null + &college=CHI>) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Based on a diversified portfolio upon graduation, those who opt for the graphic design profession gain employment in:

- advertising and marketing design
- brand and corporate identity design
- broadcast (TV graphics) design
- interaction and interface design
- museum or exhibition design
- publication design
- visual communication design
- web design

Specific examples of graphic designers' work include:

- annual reports
- books
- environmental graphics
- information design
- motion graphics
- multimedia presentations
- publications
- websites

Graduates of the program may also pursue graduate studies leading to careers in design education and other fields of professional endeavor in design.

#### **Contact Information:**

Design & the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu/degree-programs>  
CDN 162  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-4495

## **Industrial Design, BSD (ARINDBSD)**

**Campus:** Tempe

#### **Program Description:**

Industrial designers are responsible for the design of product and service systems that people use in their everyday lives. The BSD in industrial design at ASU focuses on a new model of transdisciplinary product development called integrated innovation. Using this model of innovation, students systematically work through a matrix of four questions:

- What is valuable to users?
- What is possible through engineering?
- What is desirable to business?
- What is good for society and the environment?

The goal of the program is to help students learn how to create product and service systems that benefit society while minimizing impacts on the environment, can be realized through appropriate technology and engineering, create measurable value for business, and satisfy people's needs.

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information on the milestone process, students should visit <https://design.asu.edu/resources/students/milestones> (<https://design.asu.edu/resources/students/milestones>).

This is an 8-semester program requiring sequential completion of studio coursework (or approved equivalent) at any point of entry.

**Additional Program Fee:** Y

**Second Language Requirement: N****First Required Math Course:** MAT 170 - Precalculus**Program Math Intensity:** Moderate**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)International (<https://students.asu.edu/international/future>)Readmission (<https://students.asu.edu/readmission>)**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARINDBSD~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

After completing the program successfully, graduates have the option of working as designers in several capacities:

They may obtain employment as members of in-house design teams at corporations in a variety of industries including, but not limited to:

- consumer goods
- furniture
- health care and medical products
- packaging design
- sports and outdoor goods
- toys
- trade show and exhibit design
- transportation and mobility device design
- user interface design

Graduates may obtain employment with consulting firms that design products and services for a variety of clients. They may obtain employment with nonprofit institutions or nongovernmental organizations addressing specific social or environmental problems. They may pursue entrepreneurship opportunities; some graduates have established their own design and manufacturing ventures. Or, graduates may pursue teaching a variety of courses in art and design schools, colleges or universities, part time or full time.

**Contact Information:**

Design &amp; the Arts, Herberger Institute for

The Design School

<https://design.asu.edu/degree-programs>

CDN 162

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

**Interior Design, BSD (ARINTBSD)****Campus:** Tempe**Program Description:**

Coursework in the BSD in interior design examines the context and spaces in which individuals and groups live and work.

Interior designers create environments within buildings that meet the physical and psychological needs of individuals and institutions, providing a



useful, rich and rewarding environment for their lives. Interior design involves the design of space, equipment and furniture. It requires substantial technical and organizational understanding; sensibility to form, lighting, color and texture; and an awareness of design history and theory.

All students who are admitted to the major must pass a degree milestone at the end of the first year to continue in the major. For more information on the milestone process, students should visit <https://design.asu.edu/resources/students/milestones> (<https://design.asu.edu/resources/students/milestones>).

This is an 8-semester program requiring sequential completion of studio coursework (or approved equivalent) at any point of entry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARINTBSD~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates find employment opportunities with interior design firms, architecture firms or corporations and governmental entities of any size. Firms may specialize in interior design for residential, commercial, retail, hospitality, institutional and health care spaces. Career specialties include historic restoration, branding, sustainability, new product innovation and incorporation of new technology.

**Contact Information:**

Design & the Arts, Herberger Institute for

The Design School

<https://design.asu.edu/degree-programs>

CDN 162

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Landscape Architecture, BSLA (ARPLABSLA)

**Campus:** Tempe

**Program Description:**

The BSLA program offers students the opportunity to engage with the community in applied projects that focus on designing sustainable outdoor environments and improving the ecological and social health of the urban environment.

Undergraduate landscape architecture projects can range from large-scale work encompassing urban design, landscape reclamation, open space preservation planning and landscape ecological design to projects at the more intimate scale of a neighborhood park or residential back yard. Emerging areas of focus include biotechnical design; urban agriculture; greenways, green roofs and living walls; and healing environments.

Students complement their design learning with electives from a broad range of approved courses.

All students must pass a degree milestone at the end of the first year to continue in the major. For more information, students should visit <https://design.asu.edu/resources/students/milestones> (<https://design.asu.edu/resources/students/milestones>).

This is an 8-semester program requiring sequential completion of studio coursework (or approved equivalent).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARPLABSLA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program is designed to prepare students for landscape architecture professional practice and advanced study at the graduate level, and graduates have found employment in nationally recognized firms working with notable landscape architects in large multinational firms or in public agencies. Graduates have also gone on to pursue graduate study at universities with distinguished graduate programs in landscape architecture and allied design fields.

The U.S. Bureau of Labor Statistics projects employment for landscape architects will grow 16 percent from 2010 to 2020, about as fast as the average for all occupations. The bureau also notes employers prefer hiring entry-level landscape architects with internship experience, to significantly reduce the amount of on-the-job training. The bachelor's degree program has an internship requirement meant to address this preference and better prepare graduates for employment.

**Contact Information:**

Design & the Arts, Herberger Institute for

The Design School

<https://design.asu.edu>

CDN 162

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Music, BA (FAMUSBA)

**Campus:** Tempe

**Program Description:**

The BA in music provides students with a broadly based liberal arts degree applicable to careers in music and many other fields. The curricular core of the Bachelor of Arts in music provides more flexibility than a BMus, leading students to develop mainstream and alternative musical competencies; to explore music as human history, cultural artifact and social behavior; and to pursue other areas of interest.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSBA-null + &college=CHI>) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- music criticism and research, ethnomusicology and musicology
- music entrepreneurship, concert management and promotion
- music publishing
- performing in community and professional ensembles in a variety of styles and traditions
- teaching in a private studio or community program

Many graduates pursue a master's degree or a doctorate in music or another professional field.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Music (Music and Culture), BA (HIMUSMCBA)

**Campus:** Tempe

**Program Description:**

The BA in music with a concentration in music and culture provides students with a broadly based liberal arts degree applicable to careers in music and many other fields. The music curricular core is combined with elective flexibility, leading students to develop mainstream and alternative musical competencies; to explore music as human history, cultural artifact and social behavior; and to pursue other areas of interest. This is a liberal arts-based degree program in which students have a higher percentage of elective courses, allowing them to tailor both the General Studies courses and the music electives to suit their career goals.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 117 - College Algebra

Or MAT 119 or MAT 142

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Audition process for admittance to music and culture concentration:

- Submit a writing sample, which will be evaluated by all musicology faculty members.

Submit evidence of musicianship broadly defined (basic notational literacy plus live audition on, for example, didgeridoo or gospel-style composition, or documented transdisciplinary installation including music), which will be evaluated by all musicology faculty.

- Attend an interview with at least three musicology faculty members.

• Each student will be matched with a musicology advisor at the time of acceptance. The advisor will assist students in the choice of ensembles (as qualified) and electives to support their programs of study. Students must audition and be accepted into large ensembles following established procedures.

• Students who wish to take studio lessons as part of the degree must audition for the appropriate performance faculty members. Students should follow the BA in music audition requirements.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

#### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIMUSMCBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The program prepares students for potential careers in fields that require skilled written communication; the ability to conduct research both in electronic and print media; critical and logical thinking; the dissection of an argument; and careful time management. In addition to the careers listed below, graduates may pursue jobs in music and medical humanities or copyright and entertainment law. Graduates are prepared to work in various professional capacities, including:

- music criticism and research, ethnomusicology and musicology
- music entrepreneurship, concert management and promotion
- music in culture, music blogging
- music publishing, program annotation
- performing in community and professional ensembles in a variety of styles and traditions
- teaching in a private studio or community program
- work as a music librarian

- work in music-related fields

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/musicology>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Music Education, BMUS (FAMUSEBM)

**Campus:** Tempe

**Program Description:**

The BMus program in music education is designed for students interested in pursuing careers as music teachers in the public schools. The degree program also prepares students for K-12 teaching certification.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student remains as a music audition major and needs to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSEBM-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to teach in public and private school music programs that offer a variety of music classes, including general music, choir, band, orchestra, strings and other innovative music programs.

Graduates also are prepared to work in various professional or entrepreneurial capacities, including:

- performing in community and professional ensembles in a variety of styles and traditions or as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school and community programs as artist-in-residence
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing, marketing and education

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/music-education>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Music Therapy, BMUS (FAMUSTHBM)

**Campus:** Tempe

**Program Description:**

The BMus program in music therapy prepares students for a career in the health care and special education professions. Music therapists use carefully planned music interventions to achieve desired changes in client individualized behavior and functioning. Music therapy is a profession in which engagement in active music-making helps a client achieve individual therapeutic goals. Educating the potential music therapist requires a wide range of musical skills and the ability to work with people in a therapeutic manner. Music therapy students have many opportunities to develop their clinical skills. Students also study:

- human anatomy
- musical improvisation
- popular music styles
- psychology
- songwriting
- special education
- world music

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSTHBM-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are eligible to sit for the music therapy certification examination given by the Certification Board for Music Therapists. Positions are available regionally and nationally in hospitals, schools, rehabilitation centers, nursing homes and other health care facilities. Graduates are prepared to work in the fields of community music therapy and wellness, geriatric care, mental health, physical rehabilitation, special education, or within veteran and military populations.

A music therapy career may also provide an opportunity for private practice with flexible hours.



**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/music-therapy>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

**Performance (Collaborative Piano), BMUS (FAMUSPPBM)**

**Campus:** Tempe

**Program Description:**

The BMus in performance with a concentration in collaborative piano offers private instruction in solo and collaborative piano, faculty coaching of chamber music repertoire and ample opportunity for extensive collaborative performance experiences. The program focuses on the core repertoire of art song, piano chamber music and selected works from the operatic, musical theater and oratorio repertoire. Collaboration within the School of Music involves all performance areas, including:

- classes and opportunities with the Music Theatre and Opera program
- concerts with large ensembles and choirs
- duo recitals with instrumental and voice colleagues
- performances of great chamber music literature

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's  
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curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPPBM-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- performing as a choral, collaborative or orchestral pianist or in music theater and opera pit ensembles and chamber music ensembles
- recording and studio work
- teaching in a private studio and community program
- working as a vocal coach or in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/piano>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Performance (Guitar), BMUS (FAMUSPGBM)

**Campus:** Tempe

**Program Description:**

The BMus in performance with a concentration in guitar is a program that focuses on the study of classical guitar literature and techniques. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue careers as professional musicians. The course of study includes extensive performance experiences.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

**Transfer Admission Requirements:**

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPGBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- performing as a concert soloist or in chamber music ensembles or as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs or serving on state or community arts councils as artist-in-residence
- recording and studio work
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music

<https://music.asu.edu/degree-programs/strings>

MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Performance (Jazz), BMUS (FAMUSPJBM)

**Campus:** Tempe

### Program Description:

The BMus in performance with a concentration in jazz places an emphasis on the improvisational aspects of jazz. The curriculum combines jazz performance, composition and pedagogy in a program that allows the student to express himself or herself musically while emphasizing the skills necessary to pursue a career as a professional musician. The study of jazz performance can be a suitable background for work in:

- contemporary composition
- film scoring, writing and arranging
- performance
- private instruction
- recording studios
- teaching jazz pedagogy and other related fields in the music industry

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 OR MAT 119

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the

institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

#### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPJBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- accompanying
- jazz composing or arranging
- performing as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- recording and studio work
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

#### **Contact Information:**

Design & the Arts, Herberger Institute for

School of Music

<https://music.asu.edu/degree-programs/jazz-studies>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## **Performance (Keyboard), BMUS (FAMUSPKBM)**

**Campus:** Tempe

#### **Program Description:**

The BMus in performance with a concentration in keyboard is a program that focuses on the study of literature and techniques of the piano or organ. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

#### Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

#### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPKBM-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- performing as a concert soloist or in chamber music ensembles
- performing as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs or serving on state or community arts councils as artist-in-residence
- recording and studio work
- teaching privately or in a professional music school, a college or a university program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs>  
MUSIC E167

## Performance (Music Theatre), BMUS (FAMUSPMBM)

**Campus:** Tempe

### Program Description:

The BMus in performance with a concentration in music theatre is an intensive, performance-oriented program designed to hone all the skills necessary for the complete musical theatre artist. Training includes private voice lessons every semester of study as well as specialized instruction in acting, dance, audition techniques, technical production, repertoire classes, scene study and performance. A unique feature of this program includes an innovative sequence of musical theatre performance courses throughout the degree designed to synthesize all the abilities necessary to succeed as a professional musical theatre performer in the 21st-century.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPMBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program is designed for individuals who plan a career as a performing singer and actor or actress in opera, operetta, musicals and other forms of musical theatre. Graduates become conductors, teachers, singers and actors or actresses and are prepared to work in various professional capacities, including performance:

- at universities, colleges and schools
- in major opera houses
- in national touring companies
- on Broadway

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music

<https://music.asu.edu/music-theatre-and-opera>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## Performance (Orchestral Instrument), BMUS (FAMUSPOBM)

**Campus:** Tempe

**Program Description:**

The BMus in performance with a concentration in an orchestral instrument focuses on the study of music literature and techniques on a specific orchestral instrument. Goals of study include building and emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience in large ensembles, as a soloist and as a chamber musician.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).



successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

#### Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

#### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPOBM-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- performing as a concert soloist, as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks, or performing in orchestras, chamber music ensembles, music theatre and opera pit ensembles
- presenting school and community programs
- recording and studio work
- teaching privately or as part of a college or university program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

#### Contact Information:

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Performance (Voice), BMUS (FAMUSPVBM)

**Campus:** Tempe

#### Program Description:

The BMus in performance with a concentration in voice focuses on the study of vocal technique, literature and performance while emphasizing the

skills necessary to pursue a career as a professional classical singer. The program includes extensive performance experience and opportunities to explore many different singing styles.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event an applicant is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPVBM-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates are prepared to work in various professional and entrepreneurial capacities, including:

- performing as a soloist, stage performer, choral singer or freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs or state or community arts councils as artist-in-residence
- recording and studio work
- teaching in a private studio and community program
- working in music-related fields such as media production, music business, publishing, marketing or arts administration

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

#### **Contact Information:**

Design & the Arts, Herberger Institute for

School of Music

<https://music.asu.edu/degree-programs/voice>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

## **Performance and Movement, BA (HIPERMVBA)**

**Campus:** Tempe

#### **Program Description:**

The BA in performance and movement is an inclusive, transdisciplinary degree program that encourages students to develop collaborative approaches to learning and professional industry skills in the performing arts. This program is grounded in cultivating community practice through theatre, dance and music. The bachelor's degree program is located within the ecosystem of Phoenix, the sixth largest urban center in the United States, and enables students to understand, deconstruct and uplift diverse artistic modes across media and encourages the student to create a flexible degree program that intersects and engages these areas of interest. This degree program offers a number of focus areas: dance and theatre, music theatre, social and partnership dance, and urban arts.

**Dance and theatre** --- The dance and theatre focus area is designed for dancers who seek experience working with theatrical performance and acting, actors and performers who seek to balance text and voice work with movement exploration, and writers and directors who want to explore a wide range of approaches to live performance.

**Music theatre** --- The music theatre focus area is designed for the theatre student who wishes to focus their studies on musical theatre, vocal performance and dance. Students are offered a variety of courses within the School of Music and the School of Film, Dance and Theatre. This unique academic program allows students to blend key elements of traditional musical theatre curriculum with an expanded focus on foundational courses that provide skills and tools to be a well-rounded theatre artist.

**Social and partnership dance** --- The social and partnership dance focus area is an innovative program that allows students to explore multiple styles and approaches in social and partnership dance both in formal classroom study and informal student-centered community events. The focus area seeks to prepare future Latin social and ballroom dance leaders with pedagogical, performance and community-building strategies to support the need for serving local and national community engagement in social dance as a means to create social transformation and change.

**Urban arts** --- The urban arts focus area is designed for the student interested in melding intersectional embodied practice, social justice and urban arts culture by offering a critical look at the historical, social and practical application of urban arts scholarship and culture. The program focus spans various forms of urban artistry and expression through thought-provoking, in-studio courses and hands-on practical application and connects students with scholars and urban arts practitioners to embrace the interdisciplinary nature of urban arts: dance, music, visual and voice.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIPERMVBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The bachelor's degree in performance and movement provides an excellent broad-based foundation for work in the arts or entertainment professions or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis combined with a focus on physical presence prepares graduates for a variety of occupations in both performance and nonperformance fields. Opportunities may include work with:

- arts entrepreneurship
- professional performing
- studio ownership and management
- themed entertainment

#### **Contact Information:**

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<https://filmdancetheatre.asu.edu/>

GHALL 232

[fdt@asu.edu](mailto:fdt@asu.edu)

480-965-5337

## **Theatre, BA (FATHEBA)**

**Campus:** Tempe

#### **Program Description:**

The BA program in theatre provides students with a rigorous academic and hands-on theatre education within the context of a liberal arts degree.

The program offers specialty coursework in the following areas:

- design and production
- film
- new work development
- performance
- theatre and performance studies
- theatre for youth

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students interested in the BA in theatre are admitted directly into the major by indicating their degree preference on their ASU admission application.

Students interested in the BA in theatre, BA in theatre with a concentration in acting, or BA in theatre with a concentration in design and production will enter as BA theatre majors. Once students begin to complete classes at ASU in the BA theatre program, they may apply to a concentration in either acting or design and production.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

#### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FATHEBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The bachelor's degree program in theatre provides an excellent broad-based foundation for work in the arts or entertainment professions or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations in both theatre and nontheatre fields. Opportunities may include work with:

- arts entrepreneurship
- commercial entertainment
- production companies in theatre, television or film
- schools

#### **Contact Information:**

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<https://filmdancetheatre.asu.edu/>

GHALL 232

## Theatre (Acting), BA (FATHEABA)

**Campus:** Tempe

### Program Description:

The BA program in theatre with a concentration in acting provides students with a rigorous academic and hands-on theatre education that emphasizes performance in both live theatre and recorded media. Within the context of a comprehensive liberal arts education, the program prepares students for both advanced graduate study in the field and entry-level careers in acting and performance. The program offers specialty coursework in the following areas:

- film
- movement
- new work development
- performance styles
- theatre for youth
- voice and speech

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 OR MAT 119

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students interested in the BA in theatre are admitted directly into the major by indicating their degree preference on their ASU admission application.

Students interested in the BA in theatre, BA in theatre with a concentration in acting, or BA in theatre with a concentration in design and production will enter as BA theatre majors. Once students begin to complete classes at ASU in the BA theatre program, they may apply to a concentration in either acting or design and production.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FATHEABA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in theatre with a concentration in acting provides an excellent broad-based foundation for work in the profession. It prepares students for advanced graduate study and independent career pursuits in performance. It offers students advanced study that can lead to careers in professional theatre, film, television, media, education and other related arts disciplines.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Theatre (Design and Production), BA (FADSNPRBA)

**Campus:** Tempe

**Program Description:**

The BA program in theatre with a concentration in design and production provides students with a rigorous academic and hands-on theatre education with an emphasis on design and production for performance. Within the context of a comprehensive liberal arts education, the program prepares students for both advanced graduate study in the field and for entry-level careers in entertainment design and production. The program offers specialty coursework in the following areas:

- costume design and technology
- lighting design and technology
- media design and technology
- scenic design and technology
- sound design and technology
- stage management
- technical direction

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students interested in the BA in theatre are admitted directly into the major by indicating their degree preference on their ASU admission application.

Students interested in the BA in theatre, BA in theatre with a concentration in acting, or BA in theatre with a concentration in design and production will enter as BA theatre majors. Once students begin to complete classes at ASU in the BA theatre program, they may apply to a concentration in either acting or design and production.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance

standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FADSNPRBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in theatre provides an excellent broad-based foundation for work in the profession or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations. The design and production concentration offers students advanced study that can lead to careers as designers or technicians in the performing arts and the entertainment industry.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Film, Dance and Theatre  
<https://filmdancetheatre.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Theory and Composition (Composition), BMUS (FAMUSTCBM)

**Campus:** Tempe

**Program Description:**

Students pursuing the BMus in theory and composition must choose a concentration in either theory or composition, and completion of the requirements for this concentration result in the award of one degree in either theory or composition.

Students who select the concentration in composition focus on developing techniques for writing music. The School of Music offers students the opportunity to study with composers who have established national and international reputations.

This program may be used as the first step toward a master's degree or doctorate in music composition or another graduate academic music degree.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)



Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 1, 2019.

Fall 2020: The deadline to apply for admission to this program is Dec. 1, 2019.

**Transfer Admission Requirements:**

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 1, 2019.

Fall 2020: The deadline to apply for admission to this program is Dec. 1, 2019.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSTCBM-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- arranging
- composing
- performing in community and professional ensembles in a variety of styles and traditions
- presenting school programs, or state or community arts councils as artist-in-residence
- teaching in a private studio and community program
- teaching theory and composition
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/composition-theory>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-3371

## Theory and Composition (Theory), BMUS (FAMUSTTBM)

**Campus:** Tempe

**Program Description:**

Students pursuing the BMus in theory and composition must choose a concentration in either theory or composition, and completion of the requirements for this concentration result in the award of one degree in either theory or composition. Students who select the concentration in theory focus on the theoretical study of music. The School of Music offers students the opportunity to study with theorists who have established national and international reputations. This program may be used as the first step toward a master's degree or doctorate in music theory or another graduate academic music degree.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 OR MAT 119

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit <https://music.asu.edu/admissions/undergraduate-steps-to-apply> (<https://music.asu.edu/admissions/undergraduate-steps-to-apply>) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <http://music.asu.edu/admissions/undergraduate-auditions> (<http://music.asu.edu/admissions/undergraduate-auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://music.asu.edu/admissions/undergraduate-deadlines-fees> (<https://music.asu.edu/admissions/undergraduate-deadlines-fees>) for complete music deadlines.

Spring 2020: The deadline to apply for admission to this program is Oct. 15, 2019.

Fall 2020: The deadline to apply for admission to this program is Jan. 5, 2020.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's  
Academic Catalog Archive 2019-2020

curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSTTBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional capacities, including:

- arranging
- composing
- performing in community and professional ensembles in a variety of styles and traditions
- presenting school programs, or state or community arts councils as artist-in-residence
- teaching in a private studio or community program
- teaching theory and composition
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design & the Arts, Herberger Institute for  
School of Music  
<https://music.asu.edu/degree-programs/composition-theory>  
MUSIC E167  
MusicAdmissions@asu.edu  
480-965-5069

## Engineering, Ira A. Fulton Schools of

### Aeronautical Management Technology (Air Traffic Management), BS (ESAMTATBS)

**Campus:** Polytechnic

**Program Description:**

The BS program in aeronautical management technology with a concentration in air traffic management provides a technical foundation in the air traffic control procedures used by air traffic controllers in air traffic control towers and air traffic control radar facilities.

Students gain a strong background in aircraft operations, management skills and business principles through coursework specific to air traffic control and aviation. As a part of the degree program, students are required to take courses that will qualify them to earn their airline dispatcher certificate.

This is an intensive program of classroom study and laboratory practice using state-of-the-art air traffic control simulators to enhance and reinforce classroom study. Students receive training in the methodologies and technologies that are currently being developed for the next generation of air traffic control systems. Students develop the following skills:

- analytical thinking
- clear and concise communication

- problem-solving
- teamwork

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

To be considered for employment by the Federal Aviation Administration, graduates of the program need to be aware of minimum requirements for employment. See [https://www.faa.gov/jobs/career\\_fields/aviation\\_careers](https://www.faa.gov/jobs/career_fields/aviation_careers) ([https://www.faa.gov/jobs/career\\_fields/aviation\\_careers/](https://www.faa.gov/jobs/career_fields/aviation_careers/)) for more information. Graduates of the program are not guaranteed employment by the Federal Aviation Administration. Students who do not have U.S. citizenship may be admitted to the program but will not be eligible for employment by the Federal Aviation Administration.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAMTATBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Federal Aviation Administration's 2016 Controller Workforce Plan has projected that the agency plans to hire more than 7,400 new controllers over the next five years to keep pace with the expected attrition rate and traffic growth. The total number of planned hires for the period of 2016--2025 is 12,088 new controllers. The increase in the volume of air traffic requires more controllers to handle the additional work. New computerized systems will assist controllers by automatically making many of the routine decisions. This will allow controllers to handle more traffic, thus increasing their productivity.

Despite the obvious demand for new controllers in the immediate future, competition to get into the FAA-approved training programs is expected to remain intense as there generally are many more applicants than there are openings. Graduates who have met all the FAA requirements are eligible for consideration for employment.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Aviation Programs

<https://poly.engineering.asu.edu/aviation/>

WANER 201

## Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)

**Campus:** Polytechnic

### Program Description:

The air transportation management concentration, under the BS program in aeronautical management technology, provides students with a strong foundation of aviation concepts, including aviation law, policy and human factors as well as technical knowledge focusing on power plants, structures and aerodynamics. Students progress into courses focusing on business and management and operational aspects of aviation such as airline administration and airport planning. All students finish the program by participating in an internship within industry and completion of a capstone project.

This program prepares students for leadership positions within airlines, airports, government, consulting and entrepreneurial enterprises.

The Aviation Accreditation Board International accredits this program.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTMBS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

A degree in air transportation management prepares graduates for these careers:

- airline manager
- airline operations manager
- airport manager

- aviation consulting
- entrepreneurial ventures
- fixed based operations
- general aviation operations manager
- governmental positions with the Federal Aviation Administration, Department of Transportation and National Transportation Safety Board

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Aviation Programs  
<https://poly.engineering.asu.edu/aviation/air-transportation-management-bs/>  
 WANER 201  
 polyadvising@asu.edu  
 480-727-1874

**Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)**

**Campus:** Polytechnic

**Program Description:**

Students in the professional flight concentration in the BS program in aeronautical management technology learn to fly in an academic environment that prepares graduates for careers as professional pilots.

Flight training is offered by an ASU-approved flight provider in late-model aircraft equipped with state-of-the-art avionics. The Polytechnic campus is adjacent to the Phoenix-Mesa Gateway Airport where flight instruction takes place.

Students may take advantage of pathway agreements for guaranteed interviews with regional air carriers.

This program is for students who are seriously interested in becoming professional airline pilots. Graduates are prepared to assume responsibilities in a wide variety of technically related areas within professional aviation flight operations.

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.

Additional course-related fees apply; students should see the program website for more information.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: This major has additional admission requirements including Federal Aviation Administration requirements. Students will be admitted to the preprofessional status and then complete additional requirements for admission to the professional program. See

<https://poly.engineering.asu.edu/aviation/professional-flight-bs/secondary-application-process>

(<https://poly.engineering.asu.edu/aviation/professional-flight-bs/secondary-application-process>) for more information.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=TSAMTFBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The professional flight concentration offers students private pilot, commercial pilot and flight instructor certificates as well as instrument pilot, instrument instructor and multiengine pilot ratings. With these flight qualifications and the technically based bachelor's degree, the graduate has a wide variety of career opportunities, including flight crew service on commercial and business aircraft.

Career opportunities include:

- airline pilot
- corporate pilot

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Aviation Programs  
<https://poly.engineering.asu.edu/aviation/professional-flight-bs/>  
WANER 201  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS)

**Campus:** Polytechnic

**Program Description:**

The unmanned aerial systems concentration of the BS program in aeronautical management technology prepares students for careers in the rapidly growing area of unmanned aerial systems, including operations, remote sensing, data collection and analysis.

The concentration incorporates all aviation management technology core courses and unmanned aerial systems concentration courses. This provides an overview of unmanned aerial systems operations followed by detailed knowledge of unmanned aerial systems-specific systems and technology (ground control stations; data links; flight planning and operations; search, detect and avoid technologies; and payloads) and unmanned aerial systems sensor operations. A critical aspect of this academic area of study is the data capture and transfer of the sensor information collected from the unmanned aerial vehicle.

This innovative concentration brings together the most up-to-date and relevant aspects facing multiple industries today by addressing flight system planning and operations and the employment of the systems in the congested National Airspace System.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTUASBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students graduating from this program are ready to find various employment opportunities as unmanned aerial vehicle pilots and sensor operators in both the U.S. and worldwide. This concentration prepares students to operate small to mid-range platforms that are used by emergency responders, forestry, agriculture, energy and oil, and other similar industries. Entry-level pay is competitive for this highly specialized field.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Aviation Programs  
<https://poly.engineering.asu.edu/aviation/unmanned-aerial-systems-bs/>  
WANER 201  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)

**Campus:** Tempe

**Program Description:**

The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems. The aeronautics concentration, under the BSE in aerospace engineering, emphasizes engineering and the design of aircraft, helicopters, missiles and other vehicles that fly through the atmosphere. Topics in required courses cover:

- aerodynamics
- aerospace materials
- aircraft structures
- flight mechanics
- propulsion
- stability and control

Required astronautics topics include:

- attitude control
- orbital mechanics

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aerospace Engineering, MS
- Mechanical Engineering, MS



Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 242

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should see <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>) for information about how to change a major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEROBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:

- aeronautical and space systems integration
- configuration development
- material and structural design
- propulsion engineering
- space mission design and analysis
- vehicle and component analysis using computer-aided tools
- vehicle design and performance
- wind tunnel and flight testing

The aerospace engineering program has the following educational objectives:

- Through volunteering, entrepreneurial endeavors, community service, employment, etc., graduates of the aerospace engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within the organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-engineering-bse/>  
ECG 202  
semte@asu.edu  
480-965-2335

## Aerospace Engineering (Astronautics), BSE (ESAEASBSE)

**Campus:** Tempe

**Program Description:**

The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems.

The astronautics curriculum covers:

- attitude determination and control
- elective topics in aeronautics
- gas dynamics
- orbital mechanics
- rocket propulsion
- space environment
- space structures
- telecommunications

Students in the astronautics concentration culminate their major study with a capstone design project that incorporates the multiple disciplines involved in the creation of a space-going vehicle.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

Aerospace Engineering, MS

Mechanical Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 242

#### **Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>) for information about how to change their major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEASBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

A majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:

- aeronautical and space systems integration
- configuration development
- material and structural design
- propulsion engineering
- space mission design and analysis
- vehicle and component analysis using computer-aided tools
- vehicle design and performance
- wind tunnel and flight testing

The aerospace engineering program has the following educational objectives:

- Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the aerospace engineering program demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within their organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-engineering-bse/>  
ECG 202  
semte@asu.edu  
480-965-2335

## **Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)**

**Campus:** Tempe

#### **Program Description:**

Emerging emphasis on autonomous aircraft technology and operations in both military and civilian sectors signals a new era within the aeronautical community focused on autonomous vehicles and systems. The autonomous vehicle concentration provides graduates with knowledge and skills required for any career in aerospace engineering plus those specific to unmanned aerial vehicles and systems.

The curriculum is structured so that students have general exposure to the engineering of autonomous aircraft plus track courses in one area important to this field. The tracks are guidance, navigation and control, and communications. The tracks are intended for aerospace engineering students.

All paths through this concentration satisfy accreditation criteria for aerospace engineering.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aerospace Engineering, MS

Mechanical Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic

departments to apply.

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 242

### **Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to <https://engineering.asu.edu/admission-requirements> for information about how to change a major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEA/SBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students who earn a degree in this concentration are prepared for a career in the aerospace industry, focusing on unmanned vehicles.

The aerospace engineering program has the following program educational objectives:

- Through volunteering, entrepreneurial endeavors, community service, employment, etc., graduates of the aerospace engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within the organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-engineering-bse/>  
ECG 202  
semte@asu.edu  
480-965-2335

## Air Traffic Management, BS (TSATMBS)

**Campus:** Polytechnic

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options. Students interested in air traffic management should visit: <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ESAMTATBS/undergrad/false> (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ESAMTATBS/undergrad/false>)

**Program Description:**

The air traffic management program provides a technical foundation in the air traffic control procedures used by air traffic controllers in air traffic control towers and air traffic control radar facilities. Students gain a strong background in aircraft operations, management skills and business principles through coursework specific to air traffic control and aviation. As a part of the degree program, students are required to take courses that will qualify them to earn their airline dispatcher certificate.

This is an intensive program of classroom study and laboratory practice using state-of-the-art air traffic control simulators to enhance and reinforce classroom study. Students develop the following skills:

- analytical thinking
- clear and concise communication
- problem-solving
- teamwork

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

To be considered for employment by the Federal Aviation Administration, graduates of the program need to be aware of minimum requirements for employment. See [https://www.faa.gov/jobs/career\\_fields/aviation\\_careers/](https://www.faa.gov/jobs/career_fields/aviation_careers/) ([https://www.faa.gov/jobs/career\\_fields/aviation\\_careers/](https://www.faa.gov/jobs/career_fields/aviation_careers/)) for more information. Graduates of the program are not guaranteed employment by the Federal Aviation Administration. Students who do not have U.S. citizenship may be admitted to the program but will not be eligible for employment by the Federal Aviation Administration.

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSATMBS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Federal Aviation Administration's 2015 Controller Workforce Plan has projected that the agency plans to hire more than 6,300 new controllers over the next five years to keep pace with the expected attrition rate and traffic growth. The total number of planned hires for the period of 2015--2024 is 10,241 new controllers. Increases in the volume of air traffic will require more controllers to handle the additional work. New computerized systems will assist controllers by automatically making many of the routine decisions. This will allow controllers to handle more traffic, thus increasing their productivity.

To prepare for this challenge, students receive training in the methodologies and technologies that are currently being developed for the next generation of air traffic control systems. Despite the obvious demand for new controllers in the immediate future, competition to get into the FAA-approved training programs is expected to remain intense as there generally are many more applicants than there are openings. Graduates who have met all the FAA requirements will be eligible for consideration for employment.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Aviation Programs

<https://poly.engineering.asu.edu/aviation/air-traffic-management-bs/>

WANER 201

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Applied Computer Science, BS (TSAC SBS)

**Campus:** Polytechnic

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The BS program in applied computer science provides students with an education that targets the computing profession. Students learn to use mathematics, science and economics, along with technological knowledge and skill in the application of programming languages and software processes, to design, analyze, implement and test software systems and applications. The program is problem- and project-based, using the languages, tools and methods of computing best practices. Graduates gain significant exposure to team-based software development through industry-driven projects.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSACSB~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The current demand for software and computer hardware personnel is high, and the starting salaries for these employees are typically well above the average. Graduates find opportunities as members of an engineering team in software applications areas such as:

- databases
- embedded systems
- game development
- graphics
- mobile systems
- networks
- security
- web applications

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Software Engineering

<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/>

PICHO 245

[cidse.undergrad@asu.edu](mailto:cidse.undergrad@asu.edu)

480-727-3520

## Applied Science (Aviation), BAS (TSAMTABAS)

**Campus:** Polytechnic

**Program Description:**

This BAS program in applied science allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.



The concentration in aviation is for students who have received training and education in some aspect of the air transportation industry, such as air transportation management, flight or aviation maintenance, as part of their associate degree.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:**

Any math course with the MA general studies designation will satisfy the math requirement.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. Not available for freshmen.

#### **Change of Major Requirements:**

Students interested in changing to this BAS program must have completed a related AAS degree at a regionally accredited college.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTABAS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Students receive an orientation in management practices that prepares them for advanced positions in the aviation management field.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Aviation Programs

<https://poly.engineering.asu.edu/aviation/>

WANER 201

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## **Applied Science (Graphic Information Technology), BAS (TSGITBAS)**

**Campus:** Polytechnic

#### **Program Description:**

The BAS program with a concentration in graphic information technology allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

The cross-media nature of the graphics industry requires tomorrow's graduates to understand the full spectrum of visual design and production as

well as current business practices. The graphic information technology program prepares graduates for careers as visual design technologists encompassing front-end web design and development, printing and digital publishing, commercial photography and videography, and game art and animation. This is an intensive program of study emphasizing theory and hands-on laboratory practice.

- user experience (UX) designers
- user interface (UI) designers
- front-end web designers and developers
- graphic designers
- art directors
- commercial photographers and videographers
- video editors
- motion graphics and animation professionals
- production managers
- digital print and publishing professionals

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Graphic Information Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree in a similar field such as computer graphic design, digital arts, digital photography, eLearning design specialist, game technology, graphic design, animation and Web publishing design, graphic design: visual communication, information technology; Web and graphic design, media arts; desktop publishing, media art; Web design, multimedia, multimedia and business technology, and video production technology.

**Change of Major Requirements:**

Students interested in changing to this BAS degree must have completed a related AAS degree at a regionally accredited university in a similar program, such as graphic design, animation, visual communication, web design and development, commercial photography and video.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSGITBAS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graphic information technology prepares graduates for technical and management positions in visual design in such diverse areas as:

- user experience design
- user interface design
- front-end web design and development
- visual design
- graphic design
- commercial photography and videography
- motion graphics, animation and game art
- technical and digital media production
- premedia, digital printing and publishing
- art direction
- quality assurance of graphic and visual design products

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Graphic Information Technology  
<https://poly.engineering.asu.edu/git/bas-graphic-information-technology/>  
 WANER 201  
 polyadvising@asu.edu  
 480-727-1874

**Applied Science (Internet and Web Development), BAS (TSIWDBAS)**

**Campus:** Polytechnic, Online

**Program Description:**

The BAS program with a concentration in internet and web development is an intensive program of study emphasizing hands-on laboratory practice. Students develop skills in front-end web design and development, including advanced web mark up and scripting, user experience design, usability, multimedia design and emerging web technologies.

The Bachelor of Applied Science degree program allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a bachelor's degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

All courses for this program are available on campus and through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Graphic Information Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Students applying to this program must have completed an Associate of Applied Science degree in web design, web development, media arts; digital animation, media arts; web design, web developer, web designer, and graphic design, animation, and web publishing design.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-applied-science-internet-and-web-development/>)

**Change of Major Requirements:**

Students interested in changing to this Bachelor of Applied Science degree, must have completed a related Associate of Applied Science degree at a regionally accredited university.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSIWDBAS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program prepares graduates for careers in website design and development, usability and user experience design.

- front-end web design and development
- user experience design
- user interface design
- visual design

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Graphic Information Technology  
<https://poly.engineering.asu.edu/git/bas-internet-and-web-development/>  
WANER 201  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## Applied Science (Operations Management), BAS (TSIMCOBAS)

**Campus:** Polytechnic, Online

**Program Description:**

The BAS program with a concentration in operations management prepares students for supervisory and management functions in industry, manufacturing, public service and other service organizations. Graduates will be able to provide strategic focus to meet organizational objectives by implementing best practices, managing people and creating value.

This program allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:**

Any math course with the MA general studies designation will satisfy the math requirement.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-applied-science-operations-management-technology/>)

**Change of Major Requirements:**

Students interested in changing to this Bachelor of Applied Science degree must have completed a related Associate of Applied Science degree at a regionally accredited institution.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSIMCOBAS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in operations management technology prepares undergraduate students for supervisory and management functions in industry, manufacturing, public service and other service organizations.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Tech Entrepreneurship & Mgmt

<https://poly.engineering.asu.edu/tem/>

WANER 201

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Biomedical Engineering, BSE (ESBMEBSE)

**Campus:** Tempe

**Program Description:**

Biomedical engineering applies principles of engineering to the study and resolution of problems in biology and medicine.

Graduates are trained to apply their skills in an ethical, sustainable and environmentally responsible manner to make contributions that address societal and individual needs.

The program objective is to prepare high-quality graduates with a broad-based education in biomedical engineering for productive employment, graduate study or professional programs, especially in human and animal medicine, biotechnology and related biology-based engineering fields; for continued development of technical knowledge, awareness and leadership abilities so graduates may address domestic or global issues in human health; and for preparation to ethically and responsibly contribute to society by drawing from an integrated, transdisciplinary biomedical engineering education that focuses on sustainability and environmentalism.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biomedical Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMEBSE~null + &college=CES>) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Biomedical engineers are primarily employed in:

- governmental regulatory agencies
- hospital and research facilities
- medical and educational institutions
- medical device, biotechnology and pharmaceutical industries

In industry, they may work in all aspects of product development including:

- business development
- manufacturing
- marketing
- quality
- regulatory
- research and design
- sales

Because of their background in both the engineering and medical fields, they often serve a coordinating or interfacing function and provide a key role for transdisciplinary teams. Government positions may involve evaluating new technologies, testing product quality and safety, and setting standards.

In the hospital, biomedical engineers serving in a clinical engineering function may provide advice on the selection and use of medical equipment and supervise performance testing and maintenance. Biomedical engineers may also build customized devices for special health care, rehabilitation or research needs.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Harrington Bioengineering Program  
<https://sbhse.engineering.asu.edu/>  
ECG 334  
sbhse-advising@asu.edu  
480-965-3028

## Chemical Engineering, BSE (ESCHEBSE)

**Campus:** Tempe

**Program Description:**

Chemical engineering deals with the application of chemistry, physics and mathematics to the process of converting raw materials or chemicals into more useful or valuable forms. Chemical engineering also involves the design of valuable new materials and chemical products.

The BSE program offered in chemical engineering builds on a broad base of knowledge within the basic and mathematical sciences and engineering, and it offers excellent career opportunities. Chemical engineers are engaged in the development and production of a diverse range of products, including high-performance materials needed for aerospace, automotive, biomedical, electronic and environmental applications. The modern discipline of chemical engineering is intertwined with biology and biomedical engineering.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Chemical Engineering, MS

Materials Science and Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer credit hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and

minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (students should refer to the major map for critical courses)

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for information about how to change a major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCHEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs



include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Chemical engineers have traditionally played a key role in industries as varied as:

- artificial fibers
- ceramics
- food
- glass
- petrochemicals
- petroleum
- plastics
- primary metals
- specialty chemicals

There are also many newer fields with great demand for chemical engineering graduates, such as semiconductors, biotechnology, biomedical engineering, modern materials (composites, superconductors) and the solution of environmental problems.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Chemical Engineering Program

<https://semte.engineering.asu.edu/chemical-undergraduate/>

ECG 202

[semte@asu.edu](mailto:semte@asu.edu)

480-965-2335

## **Civil Engineering, BSE (ESCEEBSE)**

**Campus:** Tempe

### **Program Description:**

Civil engineering majors in the Ira A. Fulton Schools of Engineering have three choices within the accredited BSE program:

- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by ABET.

Civil engineering involves the analysis, planning, design, construction, maintenance and application of sustainable practices in all areas of urban infrastructure for government, commerce, industry and the public domain. These include airports, bridges, canals, dams, factories, office towers, roadway systems, schools, tunnels and subway systems, and water purification facilities.

Civil engineers are concerned with the impact their projects have on the public and the environment; they coordinate the needs of society with technical and economic feasibility.

The curriculum exposes students to the following areas of civil engineering, with a strong emphasis on sustainability:

- construction engineering
- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structures
- transportation

Accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org> (<https://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil, Environmental and Sustainable Engineering, MSE
- Civil, Environmental, and Sustainable Engineering, MS
- Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCEEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

ASU graduates with a bachelor's degree in civil engineering readily find employment. Civil engineers work in many different types of companies, from large corporations to small, private consulting firms or governmental agencies. A civil engineering background is an excellent foundation for jobs in management and public service. Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business.

The bachelor's degree program prepares graduates for the fundamentals of engineering examination, the professional engineering examination and for graduate degree programs.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/civil-environmental-sustainable-home/degree-undergrad/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Civil Engineering (Environmental Engineering), BSE (ESCEEBSE)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

Civil engineering majors have three choices within the accredited BSE program:

- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by ABET.

Civil engineering with a concentration in environmental engineering is a transdisciplinary field based on traditional civil engineering principles and on chemistry, biology and geology. Environmental engineers are involved with:

- air pollution technology
- analysis of the fate and transport of pollutants
- application of sustainable practices in all areas of urban infrastructure
- construction of hazardous waste containment systems
- design and operation of water and wastewater treatment systems
- remediation of contaminated soils and waters
- surface water quality management
- water conservation and reuse

The curriculum also exposes students to other traditional civil engineering areas.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil, Environmental and Sustainable Engineering, MSE
- Civil, Environmental, and Sustainable Engineering, MS
- Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCEEEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

ASU graduates with a bachelor's degree in civil engineering with a concentration in environmental engineering find employment in:

- consulting firms
- industry
- municipalities
- regulatory agencies

The growth of environmental engineering positions has been balanced by the growing number of students entering the field, resulting in a stable job market.

A civil engineering background is an excellent foundation for jobs in management and public service. International opportunities are abundant and are likely to expand. The bachelor's degree program in civil engineering prepares graduates for the fundamentals of engineering examination, the professional engineering examination and graduate degree programs.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)

**Campus:** Tempe

**Program Description:**

Civil engineering majors have three choices within the accredited BSE program:

- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by ABET.

The bachelor's degree in civil engineering with a concentration in sustainable engineering incorporates systems modeling and life cycle approaches to assessing the resiliency and material selection across all areas of urban infrastructure, or built environment, currently addressed within the civil engineering degree. The program is designed to provide students with exposure to material from several disciplines that comply with the principles of economic, social and ecological sustainability and apply them to traditional civil engineering areas.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil, Environmental and Sustainable Engineering, MSE
- Civil, Environmental, and Sustainable Engineering, MS
- Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCEESUBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Civil engineers with knowledge of sustainable engineering may find employment in many different types of companies: from large corporations to small, private consulting firms or governmental agencies. Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business. The bachelor's degree in civil engineering prepares

graduates for the fundamentals of engineering examination, the principles and practice of engineering examination, and for graduate degrees.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/civil-environmental-sustainable-home/degree-undergrad/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Computer Science, BS (ESCSEBS)

**Campus:** Tempe

**Program Description:**

Computer science professionals design, analyze and improve the quality of computer software and systems for a variety of applications, including:

- artificial intelligence
- computer vision
- cyber security
- graphics
- information management
- multimedia
- networking

Examples of projects a computer scientist might work on include:

- computer networking
- database and information systems
- distribution processing systems
- gaming systems
- next-generation computing systems
- search engines
- software engineering
- Web services

The BS program in computer science focuses on the design of computers, computational processes for problem-solving and information transfer and transformation with an emphasis on improving software and system quality, security, performance and usability. The program supports the evolution of the computing and informatics disciplines: the integration of computer and information sciences with engineering, science and other disciplines.

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS
- Computer Science (Cybersecurity), MCS
- Computer Science (Cybersecurity), MS
- Computer Science, MCS
- Computer Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEBS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Computer science graduates secure employment in a variety of capacities ranging from computer and software design to development of information technologies. Their jobs are often distinguished by the high level of theoretical expertise applied to solving complex problems and to the creation and application of new computing technologies. Some computer science-related jobs may include:



- creating computer games and graphics systems
- designing artificial intelligence systems
- developing mobile computing applications
- developing network security applications
- discovering data management and mining solutions for large scale data analytics
- inventing and implementing more efficient computing systems for managing data and information, including information retrieval and search on the Internet

With the theoretical foundation built into the program, computer science graduates can excel in system and software development as well as in designing effective computing solutions for emerging and challenging problems in modern society. Skills in system development and research can lead to entrepreneurial activity that produces innovative computing products and services.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequirementsbscs/>  
 CTRPT 105  
 cidse.undergrad@asu.edu  
 480-965-3199

## Computer Science (Cybersecurity), BS (ESCSEIBS)

**Campus:** Tempe

**Program Description:**

The BS program in computer science with a concentration in cybersecurity provides students with the knowledge and skills needed to build dependable and secure information systems and networks and to ensure the integrity and quality of information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on information assurance courseware at ASU, students should refer to <http://ia.asu.edu/education.php> (<http://ia.asu.edu/education.php>).

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS
- Computer Science (Cybersecurity), MCS
- Computer Science (Cybersecurity), MS
- Computer Science, MCS
- Computer Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEIBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Domestic students enrolled in the cybersecurity concentration are eligible for federal fellowships, such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program. For more information on the scholarship programs, students should see <https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship> (<https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship>).

Graduates with a degree in computer science with a cybersecurity concentration find employment in a variety of capacities ranging from computer system and software development to research on information assurance technologies. Some related jobs may include:

- analyzing computer forensic data

- designing secure information systems and databases
- developing secure software
- information security consulting
- secure computer and network applications

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequirementsbscs/>  
 CTRPT 105  
 cidse.undergrad@asu.edu  
 480-965-3199

**Computer Science (Software Engineering), BS (ESCSESBS)**

**Campus:** Tempe

**Program Description:**

The software engineering concentration of the BS program in computer science is appropriate for computer science students seeking careers as software engineers. Students learn advanced processes, methodologies and tools for developing and testing large and small software applications in emerging areas such as:

- databases
- enterprise systems
- interoperable systems
- mobile computing
- service-orientated computing

They also learn information assurance concepts and techniques, or principles of human-computer interaction and methods, for developing these applications. The curriculum prepares students to assume leadership roles in software development organizations and to practice professional standards and emerging software technology to the software engineering life-cycle activities.

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS
- Computer Science (Cybersecurity), MCS
- Computer Science (Cybersecurity), MS
- Computer Science, MCS
- Computer Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International  
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students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSSESBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Career opportunities are plentiful for software engineers. Graduates of this program possess the knowledge and skills to work across the spectrum of software development process activities, including:

- architecture
- coding
- project management
- quality assurance
- requirements engineering
- testing

Careers include:

- software analyst
- software architect
- software engineer
- software task leader
- software tester

Graduates of the software engineering concentration find employment in large and small organizations that develop, deploy and manage software systems. They work on all types of projects that include large, complex engineering systems, distributed banking, financial and government software and gaming.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequirementsbscs/>  
 CTRPT 105  
 cidse.undergrad@asu.edu  
 480-965-3199

## Computer Systems Engineering, BSE (ESCSEBSE)

**Campus:** Tempe

**Program Description:**

The BSE program in computer systems engineering focuses on the analysis, design, testing, integration and evaluation of hardware and software systems. The curriculum is grounded in many engineering disciplines, including the applications of science and technology to the design of:

- computer architecture
- computer security
- digital circuits
- distributed and embedded systems
- networking
- operating systems

Students engage in the design of integrated hardware and software solutions for computing, communication and control applications. They practice many aspects of engineering activities, such as the development of:

- computer networks
- embedded and ubiquitous systems
- high-performance computer systems
- individual digital components

Students become skilled at interfacing different pieces of hardware and software components and integrating systems and products with new capabilities and improved quality and performance.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Engineering (Computer Systems), MS
- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS
- Computer Science (Cybersecurity), MCS
- Computer Science (Cybersecurity), MS
- Computer Science, MCS
- Computer Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Computer systems engineers are employed in industry, government, education and consulting firms where they engage in the design, development and operation of hardware and software systems of computer and networking equipment.

Computer systems engineers often find themselves focusing on engineering problems or challenges of emerging computer systems, from chips to device controllers, embedded systems and high-performance computing servers. Their jobs usually involve the research, design and development of computer hardware and software for practical applications. Their work can result in innovative, state-of-the-art products that integrate computing and communication capabilities, such as those in:

- avionics and space vehicles
- digital television and photography
- intelligent highways and control systems for vehicles
- mobile devices and smart applications
- new apparatuses for health care and for the sight-impaired or others with physical disabilities
- security and defense systems

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-systems-engineering-bse/>  
CTRPT 105  
cidse.undergrad@asu.edu  
480-965-3199

## Computer Systems Engineering (Cybersecurity), BSE (ESCSEIBSE)

**Campus:** Tempe

**Program Description:**

The cybersecurity concentration in the computer systems engineering BSE degree program provides students with the knowledge and skills needed to build dependable and secure information systems and networks and to ensure the integrity and quality of the information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS
- Computer Science (Cybersecurity), MCS
- Computer Science (Cybersecurity), MS
- Computer Science, MCS
- Computer Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

**Freshman Admission:**

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

**Transfer Admission Requirements:**

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

**Primary Criteria**

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

**Secondary Criteria**

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEIBSE-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Domestic students enrolled in the cybersecurity concentration are eligible for federal fellowships such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program. For more information on the scholarship programs, students should visit <https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship> (<https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics/scholarship>).

Graduates with a degree in computer systems engineering with a concentration in cybersecurity find employment in a variety of capacities ranging from computer systems and software development to research on information assurance technologies. Some related jobs may include:

- analyzing computer forensic data



- designing secure information systems and networks
- information security consulting
- information systems security engineering
- network security engineering

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-systems-engineering-bse/>  
 CTRPT 105  
 cidse.undergrad@asu.edu  
 480-965-3199

## Construction Engineering, BSE (ESCONBSE)

**Campus:** Tempe

**Program Description:**

The BSE program in construction engineering focuses on a combination of design and management topics, preparing students for a career in the engineering and construction industry. The program prepares students who wish to gain a professional engineering license while working at the interface of design and construction, and it is attractive for students interested in a career that emphasizes the construction of infrastructure.

The degree program includes engineering design and construction management courses with a focus on sustainability and building information modeling topics. Construction management content includes:

- construction methods
- contract management
- cost and schedule control
- people management
- project estimating

The curriculum's design content includes structures, geotechnical engineering and transportation. Students are further prepared with the computer, management, technical and people skills needed to succeed. This degree is the third in the Southwestern U.S. and one of about 20 worldwide.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCONBSE-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

The construction engineering graduate is prepared to begin as a field engineer, project engineer or project designer working for:

- construction companies
- design firms
- facility owners
- material suppliers
- specialty subcontractors

Graduates have unique skills to be able to take on the role of integrator in the delivery of design-build projects or development activities. As the graduate's career progresses, they should be able to take on leadership roles in the delivery of sustainable facilities in the built environment and then progress through successively higher levels of management responsibility. The graduate should be particularly attuned to design and construction of heavy civil and industrial facilities meeting the infrastructure needs of society.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Construction Engineering

<https://ssebe.engineering.asu.edu/construction-engineering-home/degree-undergrad/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Construction Management, BS (ESCONMGTB)

**Campus:** Tempe

### Program Description:

The BS program in construction management allows students to specialize in commercial, heavy, residential and specialty construction and facility management. Students learn to organize, lead and manage the building construction business processes related to real estate, facility and infrastructure projects.

Construction management is the most vital function on a job site. Construction managers represent the interests of the building owner or the contractor and interact with architects, engineers, subcontractors, vendors and suppliers to ensure the success of the construction projects in the built environment. This program focuses on the business of construction and technology, such as building information modeling.

Students learn:

- the basics of design
- the construction methods specific to each type of construction (heavy, residential, commercial, specialty)
- how to estimate, schedule and control the costs of a project
- the process of sustainable or green construction
- what it takes to manage the people involved and the various types of contracts

Students are prepared with the computer, management, technical and people skills needed to succeed. This is one of two construction programs in the state of Arizona and one of approximately 80 accredited programs in the nation.

This program is accredited by the American Council for Construction Education: <https://www.acce-hq.org/> (<https://www.acce-hq.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Construction Management, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.50 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search ([https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCONMGTBBS-null + &college=CES](https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCONMGTBBS-null+%&college=CES)) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

The construction management program provides a foundation for students who wish to pursue careers as project managers, project engineers, estimators or schedulers and eventually become principals of firms engaged in the construction of industrial, commercial or residential projects.

The heavy construction emphasis area prepares students for careers related to public works such as highways, airports, bridges, utility systems and water or waste treatment facilities.

The commercial and residential emphasis areas prepare students for careers in real estate development, home production systems, commercial construction, health care and special industrial building projects. Students are also prepared to enter the sustainable or green construction market.

The specialty construction emphasis prepares students to organize, lead and manage the building process at the subcontractor level and prepares students for careers as contractors working with mechanical and electrical systems. It also prepares students for careers in management at specialty contracting firms, such as control systems, electrical distribution or heating, ventilation and air conditioning systems for large and complex facilities such as data centers, health care organizations and semiconductor manufacturing plants as well as commercial facilities.

#### Contact Information:

Engineering, Ira A. Fulton Schools of

Del E. Webb Construction

<https://ssebe.engineering.asu.edu/construction-management-home/degree-undergrad/>

CAVC 437

[sebe.advising@asu.edu](mailto:sebe.advising@asu.edu)

480-965-0595

## Electrical Engineering, BSE (ESEEEBSE)

**Campus:** Tempe, Online

**Program Description:**

The goal of the electrical engineering undergraduate program is to prepare graduates for positions as electrical engineers. Faculty in the Ira A. Fulton Schools of Engineering offer a BSE in electrical engineering. Following initial coursework in mathematics and sciences, the foundation classes build a solid base of engineering knowledge. The electrical engineering curriculum includes a number of required upper-division electrical engineering and technical elective courses in such areas as:

- circuits
- communication, signal processing and control systems
- computer engineering
- electromagnetics
- power
- solid-state devices

Approved technical elective courses provide students with an opportunity either to broaden their background in electrical engineering or to study, in greater depth, technical subjects in which they have special interest.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Engineering (Electrical Engineering), MS
- Electrical Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.50 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (MAT 265, MAT 266, PHY 121 and PHY 122)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-engineering-electrical-engineering/>)

#### Change of Major Requirements:

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEEEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Graduates with the bachelor's degree in electrical engineering find many exciting opportunities in industry. These include:

- communication equipment and network providers
- computer and peripheral device manufacturers and defense organizations
- consulting companies
- electric power utilities
- semiconductor chip designers and manufacturers

The program also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
 Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
 GWC 209  
[askee@asu.edu](mailto:askee@asu.edu)

## Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)

**Campus:** Tempe, Online

### Program Description:

The goal of the electric power and energy systems concentration in the BSE electrical engineering program is to prepare graduates for positions in industries dealing with generation, transmission and utilization of electric power. Generation includes conventional power generation (fossil fuel and nuclear) and alternative energy systems, including solar, wind and fuel cells.

Students in this program complete the foundation courses in math, science and engineering. Students are then required to take the pathway course in electric power and complete nine of the 15 technical elective credit hours with power classes. In addition, the senior design capstone project focuses upon the area of electric power and energy systems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Electrical Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):  
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## Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

## Secondary Criteria

- minimum transfer GPA of 2.50 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (MAT 265, MAT 266, PHY 121 and PHY 122)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/electrical-engineering-electric-power-and-energy-systems-bse/>)

### **Change of Major Requirements:**

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEEEPBASE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Career opportunities for graduates with a concentration in electric power and energy systems include:

- consulting engineering firms
- employment in utility companies
- entrepreneurial opportunities
- power equipment manufacturers
- research and design organizations
- state, federal and municipal agencies

This concentration also prepares students to pursue graduate degrees in the areas of:

- power generation
- power systems
- power transmission and distribution
- renewable and sustainable energy sources

The program also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
askee@asu.edu  
480-965-3424



## Engineering, BSE (TSEGRBSE)

**Campus:** Polytechnic

### **Program Description:**

The ABET-accredited BSE in engineering program prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the engineering program, students apply engineering fundamental knowledge and design thinking to real projects every semester.

In the Bachelor of Science in Engineering program, students choose a disciplinary concentration where they develop in-depth knowledge in a specific area, as well as a secondary focus area. This flexibility allows students to tailor their degree to achieve their individual career and life goals.

Students can choose from the following concentrations:

- automotive systems
- electrical systems
- mechanical engineering systems
- robotics

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRBSE-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies and small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Engineering Programs  
<https://poly.engineering.asu.edu/engineering/bse-engineering>  
WANER 201  
polyadvising@asu.edu  
480-727-1874

## Engineering (Automotive Systems), BSE (TSEGRASBSE)

**Campus:** Polytechnic

### Program Description:

The ABET-accredited BSE engineering program prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the automotive systems concentration of the Bachelor of Science in Engineering program first build a broad engineering foundation to which they add skills and knowledge necessary for vehicle design and testing. The concentration curriculum focuses on automotive engineering fundamentals, including powertrain engineering and chassis system design as well as hands-on projects that involve designing, analyzing and building of actual automotive systems.

Graduates of this concentration are able to provide leadership in automotive engineering settings, especially automotive testing and hybrid propulsion systems, which are intrinsically transdisciplinary in nature.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering, MS
- Manufacturing Engineering, MS
- Secondary Education (Teacher Certification), MEd
- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRASBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek.

Graduates of the automotive concentration are prepared for employment in automotive-related companies, from large original equipment manufacturing companies and their testing grounds to smaller specialty or aftermarket companies. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Because of the transdisciplinary nature of the Bachelor of Science in Engineering, graduates also have opportunities to perform functions that traditionally have been done by mechanical, manufacturing, automation and development engineers.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Engineering Programs  
<https://poly.engineering.asu.edu/engineering/bse-engineering>  
WANER 201  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## **Engineering (Electrical Systems), BSE (TSEGRESBSE)**

**Campus:** Polytechnic

#### **Program Description:**

The ABET-accredited BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the Bachelor of Science in Engineering program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the electrical systems concentration of the Bachelor of Science in Engineering program first build a broad engineering foundation to which they add skills and knowledge necessary to contribute electrical subject matter expertise in transdisciplinary engineering teams. This expertise includes theory and application of sensors, actuators, microcontrollers and microprocessors, as well as the integration of these components into electrical and mechatronic systems. The electrical systems curriculum also provides significant hands-on experience designing and implementing electrical and mechatronic systems to meet the needs of users.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>)

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering, MS
- Manufacturing Engineering, MS
- Secondary Education (Teacher Certification), MEd
- Solar Energy Engineering and Commercialization, PSM
- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRESBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Engineers with electrical expertise are in high demand in many industry sectors, especially manufacturing, utilities, and communications and defense systems. Electrical systems also pervade the service sectors such as health care, finance, education and entertainment. Graduates from this program have the broad base of technical knowledge and operational skills that make them invaluable members of multidisciplinary engineering teams, well-suited for employment across a broad spectrum of engineering endeavors.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://poly.engineering.asu.edu/engineering/bse-engineering>

WANER 201

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## **Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)**

**Campus:** Polytechnic

#### **Program Description:**

The ABET-accredited BSE engineering program prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the BSE program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the mechanical engineering systems concentration of the Bachelor of Science in Engineering program first build a broad engineering foundation to which they add skills and knowledge necessary to contribute mechanical subject matter expertise in transdisciplinary engineering teams. This expertise includes theory and application of materials, machine design, thermal fluid systems, and energy and power from a systems perspective. The mechanical systems curriculum also provides significant hands-on experience designing and implementing mechanical systems to meet the needs of users.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Engineering, MS

Manufacturing Engineering, MS

Secondary Education (Teacher Certification), MEd

Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRMEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The BSE program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Engineers with mechanical expertise are in high demand in many different industry sectors, including transportation, agriculture, a wide variety of process industries, product development, manufacturing, and energy and defense systems. Mechanical engineers also work in close collaboration with other engineering disciplines in a wide variety of fields, including biomedical, building and construction, transportation, and aerospace. Graduates from this program have a broad base of technical knowledge and operational skills that make them invaluable members of multidisciplinary engineering teams, well-suited for employment across the whole spectrum of applications.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://poly.engineering.asu.edu/engineering/bse-engineering>

WANER 201

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Engineering (Robotics), BSE (TSEGRRBSE)

**Campus:** Polytechnic

**Program Description:**

The ABET-accredited BSE in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the robotics concentration of the Bachelor of Science in Engineering program first build a broad engineering foundation to which they add skills and knowledge necessary to contribute robotics subject matter expertise in transdisciplinary engineering teams. This expertise includes electromechanical systems, sensor and actuator integration, embedded digital systems application, and design and analysis of dynamic systems. The robotics curriculum also provides significant hands-on experience designing and implementing robotics systems to meet the needs of users.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering, MS

- Manufacturing Engineering, MS

- Secondary Education (Teacher Certification), MEd

- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRRBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Robotics plays an increasingly important role in many different industries, including manufacturing, automotive, defense systems, biomedical devices and aerospace. Graduates from this program have a broad base of technical knowledge in the design and implementation of robotic

electro-mechanical systems. In addition, they have the operational and communication skills that make them invaluable members of multidisciplinary engineering teams, well-suited for employment across the whole spectrum of applications.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Engineering Programs  
<https://poly.engineering.asu.edu/engineering/bse-engineering/>  
WANER 201  
polyadvising@asu.edu  
480-727-1874

## Engineering Exploration, (TSEGRPRE)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for similar program options.

**Program Description:**

Engineering exploration provides an opportunity for students to become aware of the diverse engineering and technology related programs within the Ira A. Fulton Schools of Engineering on both the Tempe and Polytechnic campuses, to develop the knowledge and skills to succeed at ASU, and to develop the confidence and motivation to select a major in the Fulton Schools. Engineering exploration is not a degree-granting program. Students in the exploration program may transfer into a Fulton Schools degree-granting program once they meet the published transfer admission requirements for their desired program. All students are required to change their major at the end of three semesters.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Prospective students may not apply to the engineering exploration program. Freshman applicants to Ira A. Fulton Schools of Engineering programs will be considered for engineering exploration if they are not admitted to their first choice. Please contact [Engineering@asu.edu](mailto:Engineering@asu.edu) (mailto:engineering@asu.edu) for questions regarding admission and program eligibility.

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRPRE-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Since this program does not grant a degree, students must choose a major for degree completion. Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Dean, Ira A. Fulton Schools of Engineering

<https://engineering.asu.edu>  
BYENG 697BA  
[engineering@asu.edu](mailto:engineering@asu.edu)  
480-965-1726

## Engineering Management, BSE (ESEMGBSE)

**Campus:** Tempe, Online

### Program Description:

The BSE in engineering management is designed to provide the graduate with skills for effective management and leadership of engineering-driven enterprises.

The curriculum provides a breadth of engineering science and design with depth in one specific area suitable for practice. This knowledge is augmented with an understanding of business practices, organizational behavior and management skills to enable the graduate to succeed in the management of a scientific or engineering enterprise. Topics covered include project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management, in addition to product design and process development.

Graduates have a deep understanding of at least one industry sector based upon the focus area courses.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

### Concurrent Degrees:

This degree is also offered as concurrent degree program with Economics, BS

### Accelerated Degree Options:

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Industrial Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Additional Requirements:

The admission requirements for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission requirements.

Students should select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and



- Admission may be granted with one deficiency in no more than two competency (<https://students.asu.edu/admission/competencies>) areas. Deficiencies in both math and laboratory science are not acceptable.

**Transfer Admission Requirements:**

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for less than 24 transfer hours, and
- satisfy the freshmen admission requirements

Transfer students with more than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- if Admission Services requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency (<https://students.asu.edu/admission/competencies>) areas. Deficiencies in both math and laboratory science are not acceptable.

Concurrent degree admission requirements: Engineering Management, BSE and Economics, BS:

- minimum 1250 SAT combined evidence-based reading and writing plus math score (650 minimum on SAT math) or minimum 29 ACT combined score (29 minimum on ACT math), and
- 3.00 minimum ABOR GPA

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/engineering-engineering-management-bse/>)

**Change of Major Requirements:**

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEMGBSE-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

An engineering management graduate is prepared to begin a career as a:

- production supervisor
- project management team member or lead
- supply logistics engineer
- system specification and customer relationship management specialist or similar role

Graduates are ready to progress through successively higher levels of management responsibility.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Industrial, Systems & Operations Engineering Prgm  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/engineering-management-bse/>  
CTRPT 105  
[cidse.undergrad@asu.edu](mailto:cidse.undergrad@asu.edu)  
480-965-3199

## Environmental Engineering, BSE (ESEVEBSE)

**Campus:** Tempe

**Program Description:**

The environmental engineering BSE degree program educates tomorrow's engineers to solve complex environmental problems and design systems at the human, urban and planetary scale. Environmental engineers are actively involved with:

- air quality monitoring and air pollution control technology
- analysis of fate and transport of pollutants
- application of sustainable design principles
- design and operation of water and wastewater treatment systems
- design of hazardous waste containment systems
- design of solid waste management systems
- remediation of contaminated soil, sediment and water
- water quality, water conservation and water reuse

In recognition of the interdisciplinary nature of environmental engineering challenges, the degree incorporates courses from other programs in the Fulton Schools of Engineering including chemical engineering and environmental resources management. Engineering courses build on strong foundation in chemistry, biology, geology, physics and mathematics. Courses cover fundamental engineering concepts applied to environmental processes and environmental engineering design as well as applied learning experiences including required internship or research experience and capstone design course.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and

minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with more than 24 transferable college credit hours:

#### Primary

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admissions Services requires submission of a high school transcript)

#### Secondary Criteria

minimum transfer GPA of 2.75 for 24 or more transfer hours, and

- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search ([https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=ESEVEBSE~null + &college=CES](https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=ESEVEBSE~null+%&college=CES)) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Graduates from the environmental engineering program have career opportunities in both the private and public sectors. The private sector consulting industry in environmental engineering is growing as greater environmental awareness and emerging novel pollutants require continual refinement of regulations and environmental system design standards. In the public sector, municipalities and regulating agencies require a knowledgeable workforce to understand how public policy can improve human health and ecosystem services through environmental engineering processes.

The college seeks to accredit the Bachelor of Science in Engineering in environmental engineering to allow graduates to pursue professional licensure that enables environmental engineers to design and build drinking water and wastewater treatment facilities, contaminated soil and water remediation systems, and hazardous and solid waste confinement systems.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
School of Sustainable Engineering & Built Environmt  
<https://ssebe.engineering.asu.edu/environmental-engineering/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Environmental and Resource Management, BS (TSETMBS)

**Campus:** Polytechnic

#### Program Description:

The BS in environmental and resource management provides critical scientific and management skills for graduates who work in industry or government to ensure the health of natural ecosystems and mitigate the environmental impact of our industrial world.

The curriculum combines a strong foundation in biology, chemistry, physics and mathematics, with a solid grounding in environmental law and policy. Students learn to apply environmental technologies to drinking water and wastewater treatment, management of hazardous and solid wastes, and control of industrial and mobile sources of air pollution. They study OSHA regulations on health and safety and strategies to protect workers in hazardous environments. International environmental issues and legal frameworks are included along with U.S. environmental laws.

Graduates with these skills are in high demand and can find work in industry, governmental management and regulatory agencies, or in policy-making organizations.

An accelerated BS/MS degree option is available in which up to nine hours of the bachelor's degree may be applied toward the 33 hours required for the master's degree in environmental and resource management. A special application is required for this option.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Environmental and Resource Management (Water Management), MS

Environmental and Resource Management, MS

Technology (Environmental Technology Management), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSETMBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates are firmly grounded in the scientific, technical and legal problems facing environmental managers in today's business climate. They are prepared to be environmental, health and safety professionals in industrial settings such as manufacturing, mining, oil and gas or environmental engineering consulting firms. They also assure compliance with OSHA and EPA requirements in laboratories at pharmaceutical companies, water treatment plants or academic labs. On the regulatory side, graduates work for agencies such as the U.S. Environmental Protection Agency or state and county departments of environmental quality.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Environmental and Resource Management

<https://poly.engineering.asu.edu/erm>

WANER 201

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## **Graphic Information Technology, BS (TSGITBS)**

**Campus:** Polytechnic, Online

**Program Description:**

The cross-media nature of the graphics industry requires tomorrow's graduates to understand the full spectrum of visual design and production as well as current business practices.

The graphic information technology program prepares graduates for careers as visual design technologists encompassing front-end web design and development, printing and digital publishing, commercial photography and videography, and game art and animation. This is an intensive program of study emphasizing theory and hands-on laboratory practice. Careers may include:

- art directors
- commercial photographers and videographers
- digital print and publishing professionals
- front-end web designers and developers
- graphic designers
- motion graphics and animation professionals
- production managers
- user experience designers
- user interface designers
- video editors

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Graphic Information Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 960 SAT Reasoning or 22 ACT score

Transfer applicants also must meet the following standard:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-graphic-information-technology-concentration/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=TSGITBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graphic information technology prepares graduates for technical and management positions in visual design in such diverse areas as:

- art direction
- commercial photography and videography
- front-end web design and development
- graphic design
- motion graphics, animation and game art
- premedia, digital printing and publishing
- quality assurance of graphic and visual design products
- technical and digital media production
- user experience design
- user interface design
- visual design

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Graphic Information Technology  
<https://poly.engineering.asu.edu/git/bs-graphic-information-technology>  
WANER 201  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## Graphic Information Technology (User Experience), BS (ESGITUEBS)

**Campus:** Polytechnic

**Program Description:**

The user experience concentration is designed to provide graphic information technology majors with an interdisciplinary foundation in design, research and communication to prepare them for the rapidly growing area of user experience. The concentration provides students with a conceptual understanding of, and applied skills in methods of gathering user information, analyzing data and communicating through visual design technologies. Although its disciplinary home and primary focus is graphic information technology, the concentration includes courses from the fields of human systems engineering and technical communication in order to provide students with the multiple perspectives and complementary skills needed for user experience work.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Graphic Information Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESGITUEBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graphic information technology graduates who have some expertise in user experience have numerous career opportunities in areas such as user experience research, user-centered design, information design, interaction design, information architecture, content strategy and usability analysis.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Graphic Information Technology

<https://poly.engineering.asu.edu/git/>

WANER 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Human Systems Engineering, BS (ESHSEBS)

**Campus:** Polytechnic

**Program Description:**

The BS program in human systems engineering provides students with an understanding of the science of human performance and with experience using methods and tools to apply this understanding to design and problem-solving in a wide variety of domains, such as product usability, learning design, sports performance, and workplace and hospital safety.

A wide variety of professions need experts in human factors to work on problems that involve an understanding of human performance. Interest areas include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, health psychology, learning optimization, social cognition, threat detection and sports psychology.

The program is offered by the Ira A. Fulton Schools of Engineering.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

Human Systems Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESHSEBS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The human systems engineering program prepares students for industry and government careers in positions such as:

- game designer
- human factors engineer
- human systems integrator
- interface designer
- user experience designer
- usability engineer

Graduates may work as a member of a product or system design team.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Human Systems Engineering

<https://poly.engineering.asu.edu/hse/>

WANER 240J

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Human Systems Engineering (User Experience), BS (ESHSEUEBS)

**Campus:** Polytechnic

**Program Description:**

The BS degree program in human systems engineering with a concentration in user experience combines topics in psychology, the web, human factors, visual displays and technical communications to make products and services useful, usable and desirable. Students learn how to research customer needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered methods.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate



**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Human Systems Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESHSEUEBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Increasingly, companies are searching for professionals to help them make products and services more usable and desirable. In recent years, CNN, U.S. News & World Report and other news organizations have rated user experience as one of the top emerging careers, with benefits that include high pay, opportunity to telecommute, low stress and high job growth.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Human Systems Engineering

<https://poly.engineering.asu.edu/hse/>

WANER 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Industrial Engineering, BSE (ESIEEBSE)

**Campus:** Tempe

**Program Description:**

Industrial engineering is concerned with the design, improvement, installation and operation of integrated systems of people, materials, information, equipment and energy. The purpose is to determine efficient ways to make a product or to provide a service. Industrial engineering draws upon specialized knowledge and skill in the mathematical, physical and social sciences together with the principles and methods of engineering analysis and design.

The underlying concepts for the BSE program in industrial engineering include certain business principles but emphasize the use of mathematics and information technology to build models to describe, understand and optimize system performance. Depending on the subspecialties involved and the intended application, industrial engineering may also be known as operations management, management science, operations research, systems engineering or manufacturing engineering.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Industrial Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESIEEBSE~null + &college=CES>) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates in industrial engineering are prepared to design and manage systems for a wide range of organizations. They find exciting career opportunities in all types of manufacturing and service industries, including:

- banking and finance
- defense and government
- health care
- hospitality, sports and entertainment
- management consulting
- manufacturing (e.g., aerospace, automotive, semiconductor)
- software industry
- telecommunication
- transportation and logistics

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Industrial, Systems & Operations Engineering Prgm

<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/industrial-engineering-bse/degreerequirementsbseie/>

CTRPT 105

[cidse.undergrad@asu.edu](mailto:cidse.undergrad@asu.edu)

480-965-3199

## **Informatics, BS (ESCPIBS)**

**Campus:** Tempe

#### **Program Description:**

Informatics is about discovering, developing and understanding computer applications that improve people's lives. The BS in informatics prepares skilled professionals who take a transdisciplinary, user-oriented perspective toward information and computing systems, apply current informatics methods to address society's needs, and contribute to the next generation of such systems.

The informatics bachelor's degree program provides an option for students interested in a flexible program in applied information and computing technologies. The program provides skills in design and implementation of computer systems while offering opportunities for building applications used by people in many fields. Students learn to develop software for devices of all sizes, from supercomputers to cell phones and even smaller. The challenges of informatics include designing, developing and applying tools that model, aid or automate activities within science, engineering, business, geography, education and entertainment.

Informatics careers center on solving problems through the design and creation of information systems, user interfaces, mobile technologies and social media.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Moderate

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission requirements for a Bachelor of Science in informatics are higher than minimum university admission requirements. Students should

select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply>) and admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed.

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with more than 24 transferable college credit hours:

#### Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed (if Admission Services requires submission of a high school transcript).

#### Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Students can view change of major requirements for the Ira A. Fulton Schools of Engineering at <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCPIBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Graduates have the ability to develop future information technology solutions that place a strong emphasis on user needs and provide the ability to adapt and change dynamically with society's needs. This makes the informatician a strong candidate for jobs in:

- management consulting firms

- technology research centers
- technology start-ups

Additionally, the program prepares students for graduate programs that offer an emphasis in emerging technologies.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/informatics-bs/degreerequirementsbsinform/>  
 CTRPT 105  
 cidse.undergrad@asu.edu  
 480-965-3199

**Information Technology, BS (TSIFTBS)**

**Campus:** Polytechnic, Online

**Program Description:**

Information technology is the business of the movement of data by retrieving, managing, securing and analyzing data sets. It is an embedded system used in our everyday lives that defines how humans interact on a daily basis. The field's fast pace of growth is a worldwide event, and it is in need of self-motivated, problem-solving individuals who are looking toward a career in the exciting world of information technology.

The BS undergraduate degree program in information technology starts by introducing basic fundamentals that help lay the foundation of the information technology coursework. These fundamentals build toward a focus area that allow students to hone their skill set, preparing them for employment in the fast-paced environment that is information technology. This program has been designed with key-driven threads to incorporate emerging technologies that are utilized in real-world business models.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Information Technology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-information-technology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=TSIFTBS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The exciting career path of an IT professional can place you in positions around the world, in any industry. Such industries include:

- biomedical
- construction
- defense
- educational
- entertainment
- geospatial
- informatics
- sports
- sustainable environments

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Information Technology

<https://poly.engineering.asu.edu/it/>

WANER 201

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## **Manufacturing Engineering, BS (TSMEGRBS)**

**Campus:** Polytechnic

#### **Program Description:**

Successful manufacturing enterprises balance design, sustainability and quality with production to prosper in the global marketplace. Manufacturing engineering combines manufacturing processes (e.g., how materials are altered in either shape or properties) and the processes of manufacturing (e.g., design and management of manufacturing systems).

The BS program in manufacturing engineering prepares graduates to analyze, synthesize and control manufacturing operations using statistical methods; collaborate across disciplines to design and build solutions to real-world problems; design innovative products and the equipment, tooling and environments necessary for their manufacture; model, simulate and analyze manufacturing production processes for both small- and large-scale environments; and provide technological leadership.

The curriculum is project-based, hands-on, teamwork-oriented and delivered in outstanding fabrication facilities. Graduates of this program become key team members who create and implement processes for making such varied products as airplanes, surgical instrument, toys and foodstuffs.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Manufacturing Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSMEGRBS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program in manufacturing engineering enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Graduates typically work as manufacturing engineers in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people within and outside of their company. Career employment opportunities include direct manufacturing support, manufacturing management, and quality control and assurance. Due to a strong, broad and practical engineering skill set, graduates are highly valuable in small or new startup companies. Program graduates are well-placed and command top salaries.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://poly.engineering.asu.edu/engineering/manufacturing-engineering/>

WANER 201

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Materials Science and Engineering, BSE (ESMSEBSE)

**Campus:** Tempe

**Program Description:**

Materials engineers are responsible for designing and developing advanced materials for a wide variety of engineering applications. Courses in materials teach students in the BSE program in materials science and engineering about the design of materials and how to process them to improve their structure, properties and performance. Materials engineers are in demand by almost every industry, from automotive to aerospace to

biomaterials to nanotechnology.

Accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org> (<https://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Materials Science and Engineering, MS

Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)



**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for information about how to change a major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=ESMSEBSE-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Materials engineers are in demand in a wide range of industries and professions, including:

- aerospace
- automotive
- computer
- electronics
- energy
- health care
- microelectronics
- nanotechnology
- robotics
- telecommunications

The career paths in these industries offer opportunities to impact technological advances through working in a team environment with engineers from the chemical, electrical, mechanical, aerospace and other engineering disciplines.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Materials Science and Engineering Program  
<https://semte.engineering.asu.edu/materials-science-and-engineering-bse/>  
ECG 202  
semte@asu.edu  
480-965-2335

## Mechanical Engineering, BSE (ESMAEMBSE)

**Campus:** Tempe

**Program Description:**

Mechanical engineering is a creative, diverse discipline. Mechanical engineers design, build and control the devices, machines, processes and systems that are the mainstay of modern industrialized society.

Students are prepared for a career in mechanical engineering through a curriculum that includes study of the principles governing energy transfer, mechanical design, sensors and control devices, and the application of these principles to the creative solution of practical modern problems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aerospace Engineering, MS

Materials Science and Engineering, MS  
Mechanical Engineering, MS  
Solar Energy Engineering and Commercialization, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 241

#### **Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to <https://engineering.asu.edu/admission-requirements> for information about how to change a major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMAEMBSE-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

A major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research; in generating creative design and development; and in the production, control, management and sales of the devices and systems needed by society.

The BSE program in mechanical engineering has the following program educational objectives:

- Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the mechanical engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability. Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:
- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field.
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/mechanical-undergraduate/>  
ECG 202  
semte@asu.edu  
480-965-2335

## **Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)**

**Campus:** Tempe

#### **Program Description:**

As mathematical and numerical modeling takes on a much larger role in product development, graduates who are highly skilled in computational and mathematical engineering will be in high demand. The concentration in computational mechanics under the BSE program in mechanical engineering is designed to teach students the modern computational tools available for solving large-scale and complex technical problems. The curriculum focuses on high-performance computing and the accurate modeling of large and small scale systems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aerospace Engineering, MS
- Materials Science and Engineering, MS
- Mechanical Engineering, MS
- Solar Energy Engineering and Commercialization, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-apply>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 241.

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to <https://engineering.asu.edu/admission-requirements> for information about how to change a major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMAECBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research, in generating creative design and development, and in the production, control, management and sales of the devices and systems needed by society. Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates.

The mechanical engineering program has the following program educational objectives:

- Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the mechanical engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/mechanical-undergraduate/>  
ECG 202  
semte@asu.edu  
480-965-2335

## Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)

**Campus:** Tempe

**Program Description:**

The concentration in energy and environment within the BSE in mechanical engineering is designed to prepare students to analyze technical problems in:

- air pollution
- climate change
- energy efficiency
- environmental sustainability
- renewable energy
- timely issues facing the global community

Although the primary focus of this program is technical, the general education courses in the areas of the humanities and social and behavioral sciences introduce students to the global, political and societal issues relating to energy and the environment. By focusing on issues such as air pollution, water scarcity and the lack of alternative transportation, this program becomes even more attractive for employers in the greater Phoenix area as well as nationwide.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aerospace Engineering, MS
- Materials Science and Engineering, MS
- Mechanical Engineering, MS
- Solar Energy Engineering and Commercialization, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 241.

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for information about how to change a major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMAEEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Mechanical engineers are employed in virtually every kind of industry. They are involved in generating creative design and development, seeking new knowledge through research, and the production, control, management and sales of the devices and systems needed by society.

Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Students completing this concentration have opportunities as environmental consultants; heating, ventilation and air-conditioning engineers; and power plant designers.

The mechanical engineering program has the following program educational objectives:

- Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the mechanical engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field.
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/mechanical-undergraduate/>  
ECG 202  
semte@asu.edu  
480-965-2335

## Software Engineering, BS (TSSERBS)

**Campus:** Polytechnic, Online

**Program Description:**

The BS program in software engineering blends engineering, computing, project leadership and software construction. Students learn how to make creative software solutions to today's problems. Software systems are complex, often including millions of lines of code. Graduates of the bachelor's degree program in software engineering possess the knowledge and skills of a defined engineering approach to complex systems analysis, planning, design and construction.

The program has a unique, project-driven curriculum, establishing a new model for software engineering education. The program is built around the concepts of engaged learning, discovery-based education and learn-by-doing. Students complete projects in every semester of the program to provide emphasis in communication, teamwork, critical thinking and professionalism. Students have flexibility in designing their course of study; they select a software engineering application area such as Web and mobile applications or embedded systems as their primary focus, and they may obtain interdisciplinary knowledge through a secondary area of their design.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

The accelerated program is only allowed for the software engineering program on the Polytechnic campus.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Software Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International  
Academic Catalog Archive 2019-2020

students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see <https://admission.asu.edu/international/undergrad-apply> (<https://admission.asu.edu/international/undergrad-apply>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- Admission may be granted with one deficiency in no more than two competency (<https://students.asu.edu/admission/competencies>) areas. Deficiencies in both math and laboratory science are not acceptable.

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for less than 24 transfer hours, and
- satisfy the freshmen admission requirements

Transfer students with more than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- If Admission Services requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency (<https://students.asu.edu/admission/competencies>) areas. Deficiencies in both math and laboratory science are not acceptable.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-software-engineering/>)

#### Change of Major Requirements:

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSSERBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Software engineers solve a broad set of transdisciplinary problems and apply new technologies to improve the quality of life. Graduates design and engineer innovative systems that may include mechanical and electrical components that interact with software. The bachelor's degree program in software engineering is a unique program in which students learn by solving engaging projects, commonly as a member of a development team. The program prepares graduates for advanced study in computing, an allied field, or to enter the computing profession (most commonly as an application software engineer). According to the Bureau of Labor Statistics, software engineers are highly paid, and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:

- creating applications for mobile devices
- creating web applications
- designing, creating and validating software for avionics, robotics and similar systems fields

#### Contact Information:



Engineering, Ira A. Fulton Schools of  
Software Engineering  
<https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/software-engineering-bs/>  
PICO 245  
cidse.undergrad@asu.edu  
480-727-3520

## Technological Entrepreneurship and Management, BS (TSTEM2BS)

**Campus:** Polytechnic, Online

### Program Description:

The BS program in technological entrepreneurship and management advances the knowledge and practice of entrepreneurship and innovation. To enhance students' understanding of business fundamentals, the Fulton Schools of Engineering have partnered with the W. P. Carey School of Business to offer a degree that is jointly conferred by both colleges. The degree program prepares students to address social and corporate issues to impact and change the world; create, launch and improve technology-based products, services and ventures; and identify and solve open-ended problems using engineering and technology approaches.

Students receive a foundation in both technology and business fundamentals, with an emphasis on technology entrepreneurship and innovation in one of two focus areas: innovation and operation management or social entrepreneurship.

The objectives for this degree program are that students demonstrate the ability to identify, analyze and synthesize information to address and solve use-inspired, open-ended problems, assessing their impact on social, cultural and economic environments; formulate methodologies to advance the knowledge of entrepreneurship and innovation; launch technology-based products and services from idea generation through actualization; use quantitative and qualitative methods to demonstrate continuous improvement of products, services and processes; and utilize a systems approach for the effective design and improvement of entrepreneurial and innovation ventures.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Technology and Development, MS

Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-technological-entrepreneurship-and-management/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSTEM2BS~null>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Small businesses and startups create the majority of new jobs in the U.S. while larger corporations seek individuals who can see the big picture and solve complex problems. Students in the technological entrepreneurship and management program learn the range of skills needed to develop new products, services and business models as well as whole new industries. The technological entrepreneurship and management program prepares students for a wide variety of career possibilities; some examples are technology-based entrepreneurship, product development, consulting, venture capital analysis, business development, market analysis and technology marketing.

#### **Contact Information:**

Business, W. P. Carey School of

Tech Entrepreneurship & Mgmt

<https://poly.engineering.asu.edu/tem/bs-technological-entrepreneurship-and-management/>

WANER 230

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## **Future of Innovation in Society, School for the**

### **Innovation in Society, BA (FIFISBA)**

**Campus:** Tempe

#### **Program Description:**

The BA program in innovation in society equips students with the tools needed to analyze how science, technology and other social forces shape the present and future. Students cultivate the critical-thinking skills needed to develop creative strategies that steer innovation toward the needs and values of society.

This Bachelor of Arts degree is best suited to students interested in the arts, design, humanities and social sciences who want to play a pivotal role in bringing different disciplines together to solve the world's most difficult problems. Students gain skills to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can work to build better futures for everyone.

This transdisciplinary degree program prepares students to navigate complex issues in careers in fields as varied as public service, business, policy and academia.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Technology and Development, MS

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FIFISBA~null + &college=CFI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Governments, corporations and nongovernmental organizations face rapid change driven by or relating to science and technology and need people who can respond effectively: people who can develop and implement policy, understand the intersection of science, technology and society, and have the analytical skills to deal with challenges.

Graduates of this program have the skills to work in any of these sectors providing problem-solving, analysis, quality assurance, futuring, and communication and facilitation on issues related to science, technology, innovation and society. Graduates are prepared for professional schools, public service and policymaking, industry, and entrepreneurship; they are also prepared for graduate research in a variety of disciplines.

**Contact Information:**

Future of Innovation in Society, School for the  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/degree/innovation-society-0>  
INTDB 256  
sfisundergrad@asu.edu  
480-727-0627

## Innovation in Society, BS (FIFISBS)

**Campus:** Tempe

**Program Description:**

The BS program in innovation in society equips students with the tools needed to analyze how science, technology and other social forces shape the present and future. Students cultivate the critical-thinking skills needed to develop creative strategies that steer innovation toward the needs and values of society.

This Bachelor of Science degree is best-suited to students interested in natural sciences, engineering and quantitative social sciences who want to play a pivotal role in bringing different disciplines together to solve our world's most difficult problems. Students gain skills to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can work to build better futures for everyone.

This transdisciplinary degree program prepares students to navigate complex issues in careers in fields as varied as public service, business, policy and academia.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Technology and Development, MS

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FIFISBS~null + &college=CFI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Governments, corporations and nongovernmental organizations face rapid change driven by or relating to science and technology and need people who can respond effectively: people who can develop and implement policy, understand the intersection of science, technology and society, and have the analytical skills to deal with challenges.

Graduates of this program have the skills to work in any of these sectors providing problem-solving, analysis, quality assurance, futuring, and communication and facilitation on issues related to science, technology, innovation and society. Graduates are prepared for professional schools, public service and policymaking, industry, and entrepreneurship; they also are prepared for graduate research in a variety of disciplines.

#### Contact Information:

Future of Innovation in Society, School for the

School for the Future of Innovation in Society

<https://sfis.asu.edu/degree/innovation-society>

INTDSB 256

[sfisundergrad@asu.edu](mailto:sfisundergrad@asu.edu)

480-727-0627

## Global Management, Thunderbird School of

### Global Management, BGM (TBTGMBGM)

**Campus:** West, Online

#### Program Description:

The BGM degree program draws on Thunderbird School of Global Management's expertise in global management practices and intercultural communication training to provide students with a highly specialized, global business education.

The Bachelor of Global Management program prepares students to take on leadership roles in multinational corporations as well as nongovernmental organizations. Thunderbird's outstanding global management faculty members and strong relationships with global organizations allows students to develop the skills needed to operate effectively in today's globally connected world. Students develop skills that international employers, governments and nongovernmental entities value highly.

The program offers two tracks: the international business, language and culture track in which two years of foreign language is required; and the international business and culture track in which there is no foreign language requirement but there is more emphasis on management-related courses. Students who select the foreign language track may complete coursework in Mandarin or Spanish. Speakers of English as a second language may choose the international business and culture track or choose a third language within the international business, language and culture track. The international business, language and culture track is offered to on-campus students only. Online students may pursue only the international business and culture track.

Students have the opportunity to put the skills they have learned into practice in real-world settings through a required internship. Although students

are strongly encouraged to pursue international internships, students may also satisfy this requirement by doing a local internship with an international orientation. Students also complete a senior capstone project of their choice, which draws upon the unique skills they have developed throughout the program. The internship and the capstone project allow students to demonstrate their skills and work experience for potential employers as part of their professional development plan.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/global-management-bgm/>)

**Change of Major Requirements:**

Current ASU students who would like to change their major to global management must have at least a 2.00 cumulative GPA

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TBTGMBGM~null + &college=CTB>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the Bachelor of Global Management degree program have a variety of transferable skills combined with the ability to adapt to ever-changing business environments, a tolerance for ambiguity, and a demonstrated passion for learning about other cultures. Graduates are equipped to play key roles in multinational corporations and in government as well as nongovernmental organizations. There is demand for global skills in careers such as international business, trade, finance, accounting, human resources, marketing, corporate communications and international relations.

**Contact Information:**

Global Management, Thunderbird School of

Thunderbird School of Global Management

<https://thunderbird.asu.edu/degrees/undergraduate/bachelor-global-management>

FAB N280

[UGAdvising@thunderbird.asu.edu](mailto:UGAdvising@thunderbird.asu.edu)

602-543-0029

## International Trade, BS (TBINTRABS)

**Campus:** West

**Program Description:**

The BS program in international trade provides rigorous training in skills related to a career in international trade. Students learn the functional disciplines of international business while gaining an in-depth understanding of the political, cultural and economic aspects of doing business in the international market.

Supported by Thunderbird's emphasis on a global perspective, students acquire tools to manage supply chains, systematically assess risk, export and import goods and services, and use economic agreements to develop effective strategies for conducting international trade.

**Additional Program Fee:** Y**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Business (Global Logistics Management), BA

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Students interested in the international trade and business (global logistics management) program must meet general university admission requirements.

Transfer students wishing to pursue the concurrent degree combination must have a 3.00 cumulative transfer GPA and a 3.00 cumulative ASU GPA (if applicable) in addition to meeting the general admission requirements in order to be admitted to this program. If the student does not meet the admission requirements for the concurrent program, they will be placed in the BS in international trade.

**Change of Major Requirements:**

Current ASU students who would like to change their major to international trade must have at least a 2.00 cumulative GPA.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TBINTRABS-null + &college=CTB>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There are numerous careers related to international trade, some of which include international country account manager, manager, international sales manager, international business development manager, regional manager, export and import broker, international consultant, international logistics specialist and global supply chain manager.

**Contact Information:**

Global Management, Thunderbird School of

Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/undergraduate/bachelor-science-international-trade>  
FAB N280  
UGAdvising@thunderbird.asu.edu  
602-543-3000

## Health Solutions, College of

### Applied Science (Food Service Management), BAS (ECNTRBAS)

**Campus:** Downtown Phoenix

**Program Description:**

The BAS degree program with a concentration in food service management is designed to complement and enhance the educational preparation of students holding an AAS degree in culinary or hospitality science.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

**Change of Major Requirements:**

Only students who have completed a Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRBAS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program prepares students for careers in food production, service, management and marketing. With additional education or professional training, students may also become credentialed as:

- certified dietary managers
- registered sanitarians
- school food service and nutrition specialists

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/home>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Applied Science (Health Sciences), BAS (NUHSCBAS)

**Campus:** Downtown Phoenix, West, ASU@Yavapai, Online

### Program Description:

The BAS program with a concentration in health sciences is designed specifically for students who have earned an AAS degree from a regionally accredited institution. In completing the bachelor's degree program, students complete all ASU graduation requirements.

This is an undergraduate degree program designed for students entering the health and health care workforce at a variety of levels. The Bachelor of Applied Science degree program allows students who have an applicable Associate of Applied Science degree from an accredited institution to transfer 60 credit hours toward a bachelor's degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU.

### Additional Program Fee: Y

### Second Language Requirement: N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-applied-science-health-sciences/>)

### Change of Major Requirements:

Only students who have earned a Associate of Applied Science are eligible to change their majors to this degree program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCBAS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates will be able to return to their original area of expertise in allied health (i.e., radiology, nuclear imaging) and qualify for a managerial position, be an educator or instructor within their field of expertise, or qualify for a higher-grade position within their current place of employment. Other career options include positions such as:

- elder services program coordinator
- health and patient educator
- health maintenance organization or insurance company client coach
- Healthy Start coordinator
- home health care coordinator
- long-term care health and wellness coordinator
- school health and program specialist
- women, infants, children and community nutrition aide



**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/applied-science-health-sciences>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Applied Science (Medical Laboratory Science), BAS (NUMLSBAS)

**Campus:** Downtown Phoenix

**Program Description:**

The BAS in medical laboratory sciences is designed to provide the academic knowledge and professional skills that allow students to advance their employment opportunities within the fields of medical technology, cytology, clinical laboratory science and related areas.

Medical laboratory scientists, also known as clinical laboratory scientists, are highly skilled professionals who perform analytical tests on blood, tissue and body fluids to provide laboratory information for the detection, diagnosis and treatment of human diseases. There also is a growing trend for medical laboratory scientists to perform wellness laboratory testing aimed at preventing disease. These professionals work independently using skills and knowledge that are greater in depth and breadth compared to those of medical laboratory technicians, who typically are graduates of a two-year or community college program.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Science, 5600 N. River Rd, Suite 720, Rosemont, IL, 60018, <https://www.naacls.org/> (<https://www.naacls.org/>).

Additional program information including the program handbook and course guide can be found on the program website at <https://chs.asu.edu/programs/applied-science-medical-laboratory-science> (<https://chs.asu.edu/programs/applied-science-medical-laboratory-science>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Only students who have been admitted through Phoenix College and who have completed the prerequisite course work, verified by the program director or program advisor, are eligible to apply to this program. The following requirements are a part of the application process and are included in the separate program application, released to those who are considered eligible during a specified application cycle:

- Gain admission to Phoenix College.
- Complete the program application, which should include:
  - student information
  - coursework
  - immunizations
  - basic life support or CPR
  - fingerprint clearance card
  - health declaration

- experience in medical laboratory sciences
- employment observation verification
- references
- Review and sign the checklist.

Submit the materials to:

CHS Student Services

Mail Code 9020 ATTN: MDL Program

Arizona State University

500 N 3rd St

Phoenix AZ 85004

- Apply to Arizona State University.

#### **Change of Major Requirements:**

Only students who have completed an Associate of Applied Science degree are eligible to declare a Bachelor of Applied Science major at ASU.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUMLSBAS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The Bureau of Labor Statistics reports that 13,000 new laboratory professionals will be needed in the United States each year; however, current training programs graduate only 5,000 students each year. The majority of medical laboratory scientists and technologists work in hospital laboratories. Others work in independent laboratories, reference laboratories, clinics, health maintenance organizations, public health agencies, pharmaceutical firms, research institutions, scientific equipment companies, physicians' offices and as teachers in college clinical laboratory science programs. The working environment is as varied as the types of practice in which medical laboratory scientists are engaged.

#### **Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/applied-science-medical-laboratory-science>

HLTHN 401AA

chs@asu.edu

602-496-3300

## **Biomedical Informatics, BS (ESBMIBS)**

**Campus:** Tempe

#### **Program Description:**

Biomedical informatics combines information technology, data science and knowledge for improvement in patient health care. The program educates undergraduate students in the informatics knowledge and skills that are so important in today's health care industry.

The program enables its graduates to improve the quality of patient health care and reduce the cost of it by consolidating patient health history and interventions across hospitals and clinics, providing the right information about patient health to clinicians, and reducing clinical errors and waste. Graduates are able to minimize the number of patient hospital visits by managing and monitoring a patient's clinical condition at home, and they are able to shorten hospital stays and improve the patient hospital experience by providing the patient with faster access to resources.

Graduates are able to evaluate a patient's condition; make an early detection of disease; support the clinician in making a better, more precise diagnosis and prognosis; plan a treatment for the patient's disease; and track disease progression.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biomedical Informatics, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMIBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with a degree in the rapidly expanding field of biomedical informatics are prepared for careers in a wide range of health care settings. They are employed in positions such as biomedical analysts, medical information analysts, software analysts, electronic health records analysts, public health informatics scientists and research associates, among others. Some with interests in life sciences and technology may see this program as a unique way to combine the two. Others may find this degree the first step toward medical school or advanced medical research or to continued graduate-level study in biomedical informatics.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/about/academic-program-areas/biomedical-informatics-biomedical-diagnostics>

COOR 2nd floor

[chs@asu.edu](mailto:chs@asu.edu)

480-965-2374

## Exercise and Wellness, BS (ECXERBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS degree program in exercise and wellness is designed to equip the next generation of inclusive fitness professionals with the skills to lower the health care burden by using physical activity as a means to prevent and treat chronic conditions and to improve the health and well-being of the global population.

Through a combination of applied exercise science coursework and hands-on laboratory experiences, students gain the practical skills to implement evidence-based exercise programs to work with clients to achieve health and fitness goals, in both clinical and nonclinical settings.

The exercise and wellness graduate is able to apply best practices in exercise prescription and behavior change to help people adopt and maintain healthier habits and combat the ongoing health problems caused by an increase in sedentary lifestyles. Graduates are prepared for nationally accredited, advanced certification in the health and fitness area and for immediate careers in clinical, commercial or public sectors of the fitness industry. They may also transition to graduate programs specializing in fit, sedentary or symptomatic populations.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Clinical Exercise Physiology, MS

Exercise and Wellness, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EEXERBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program may pursue employment locations such as:

- health care systems and medical centers
- lifestyle and weight management consulting firms
- nonprofit disease prevention agencies (e.g., American Heart Association)
- outpatient fitness centers
- university fitness and wellness centers

Specialty areas may include:

- bariatric weight loss clinic counseling and management
- corporate fitness and worksite wellness

Possible careers titles may include the following:

- athletic trainer\*
- exercise physiologist
- fitness center director

- group exercise specialist
- occupational therapist\*
- personal training
- physical therapist\*
- physical therapy technician
- worksite wellness coordinator

\*Advanced degrees or certifications may be required for academic or clinical positions.

Students also are well-prepared for admission into graduate programs in clinical exercise physiology, obesity prevention and management, rehabilitative fields (e.g., physical therapy), and medicine.

**Contact Information:**

Health Solutions, College of  
 College of Health Solutions  
<https://chs.asu.edu/programs/exercise-and-wellness-0>  
 HLTHN 401AA  
 chs@asu.edu  
 602-496-3300

**Exercise and Wellness (Fitness and Wellness Specialist), BS (ECXWBS)**

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Interested students should apply to the BS program in exercise and wellness.

**Program Description:**

The BS program in exercise and wellness provides students with the knowledge and practical skills necessary to assist individuals in reaching optimal health. Students are prepared to pursue nationally recognized and credentialed certifications provided by professional organizations in fields of study related to physical activity, strength and conditioning, or exercise physiology. The exercise and wellness student is also well prepared, with the addition of the prerequisite courses, to continue into graduate schools required for careers in physical therapy, occupational therapy, athletic training or other medical fields.

The exercise and wellness program consists of a carefully designed curriculum emphasizing:

- competency in the instruction of basic and advanced techniques related to flexibility, resistance training and cardiovascular exercise
- competencies required to attain advanced level certifications from professional associations in the field
- foundational knowledge of exercise physiology and applied kinesiology
- methods to understand and help improve individuals with regard to their health behavior choices
- skills in assessing and interviewing clients in preparation for fitness and wellness programming
- skills in designing and manipulating program variables to work with apparently healthy or symptomatic individuals

Students in the exercise and wellness degree program also have the ability to enroll in courses that will enhance their abilities to work with high performance athletes, obese individuals or those at risk for suffering from other hypokinetic diseases.

Employment of fitness and wellness professionals is expected to grow by up to 24 percent through 2020, much faster than other occupations, driven by efforts to reduce health care costs by teaching people about healthy behaviors. The need for exercise and wellness programming and facilities will increase the need for workers in these areas.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=ECEXWBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students who complete the exercise and wellness degree will have enhanced opportunities in fitness and wellness employment settings because clients and employers prefer to work with people who are more highly prepared and qualified.

Undergraduates in this concentration often pursue careers in such fields as:

- clinical exercise
- corporate fitness
- fitness management
- personal training
- sports performance
- wellness center management

Students may also pursue further graduate study in such fields as:

- athletic training\*
- cardiac rehabilitation\*
- occupational therapy\*
- physical therapy\*
- physician assistant\*

\*Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/exercise-and-wellness-0>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Exercise and Wellness (Strength and Conditioning Specialist), BS (NHEXWSCBS)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Interested students should apply to the BS program in exercise and wellness.

**Program Description:**

The strength and conditioning specialist concentration is designed for students who want to work with active or athletic populations, including sport and tactical occupations. These students may work with high school, college or professional sports organizations in scholastic or private sports performance training facilities, with tactical sports performance clients (e.g., military, police, firefighters, EMT) in municipal or government-run facilities or with individual clients participating in more active, higher intensity-based fitness programs. Students in this concentration will be exposed to applied assessment labs and practical fieldwork to gain the knowledge they will need to be competent coaches in this field. Graduates will be prepared to sit for the Certified Strength and Conditioning Specialist or the Tactical Strength and Conditioning-Facilitator examinations offered by the National Strength and Conditioning Association (<https://www.nasca.com>) at the completion of their coursework. Students interested in careers in the field of sports medicine (athletic trainers, sports physical therapists, orthopedic surgeons, etc.) may also benefit from the coursework to provide an understanding of the training programs that accompany sports participation.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHEXWSCBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Many graduates of this program go onto careers which include:

- athletic trainer\*
- fitness center director
- group exercise specialist
- personal trainer
- physical therapist\*
- physical therapy technician
- sports performance coach
- sports performance director
- sports scout
- tactical performance coach

\*Additional prerequisites and post-graduate degrees are required.

**Contact Information:**

Health Solutions, College of

INACTIVE School of Nutrition and Health Promotion

<https://chs.asu.edu/programs/exercise-and-wellness-0>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-2644

## Health Education and Health Promotion, BS (NHHEHPBS)

**Campus:** Downtown Phoenix, ASU@Lake Havasu, Online

**Program Description:**

The BS in health education and health promotion provides students a pathway to become a certified health education specialist through the National Commission for Health Education Credentialing (<https://www.nchec.org/> (<https://www.nchec.org/>)). Based on a random sample of community health job advertisements (September, 2017), health professionals with the CHES credential earn up to a 47 percent higher salary than health professionals without it.

The program provides professional preparation in population-based health education, including school and community health education. Students pursuing a bachelor's degree in health education and health promotion gain foundational knowledge in health promotion program planning, implementation and evaluation as well as in certified health education specialist competencies, and they learn about specific health education strategies for effectively delivering community and school health education. Students develop an understanding of various areas addressed by certified health education specialists, including injury prevention, violence prevention, substance abuse prevention, sexual health education, emotional health education, foundations of school health education, social media and marketing in health education, nutrition, physical activity, and stress for chronic disease prevention.

**Additional Program Fee:** Y  
**Second Language Requirement:** N  
**First Required Math Course:** MAT 117 - College Algebra  
**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The Downtown campus is available to all students who meet university admission standards.

The West campus is only available to students who will be first time freshmen as defined as those who have earned 12 college credit hours or less at the time of admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-education-and-health-promotion/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHHEHPBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The rising cost of health care has increased the need for individuals with the skills and abilities to provide health education and health promotion programs. As health care costs continue to rise, insurance companies, employers and governments are attempting to find ways to curb costs. One of the more cost effective ways is to employ health education and health promotion professionals to teach people how to prevent disease and injury, live healthy lives and avoid costly treatments for illnesses. Health promotion professionals work in various environments based on the industry in which they are employed.

Undergraduates in this degree program often pursue careers in wellness and health promotion in such environments as:

- colleges and universities
- community health agencies
- hospitals and medical facilities
- insurance companies
- private health care organizations
- schools
- state and county health departments
- voluntary health organizations
- wellness centers
- work site wellness and health promotion

Students may also pursue further graduate study in such fields as:

- health education



- health promotion
- health psychology
- medicine and dentistry (with additional elective sciences)
- public health
- social work

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Health Solutions, College of  
 College of Health Solutions  
<https://chs.asu.edu/home>  
 HLTHN 401AA  
 chs@asu.edu  
 602-496-3300

**Health Sciences, BS (NHHSCBS)**

**Campus:** Downtown Phoenix, West

**Program Description:**

The BS program in health sciences is designed to provide students with the academic knowledge and skills that allow them to move directly into a range of employment opportunities within the health field or to continue their education in discipline-specific programs.

Students choose a track focus in either community-based health outcomes; health legislation and regulation; integrated care; language, speech and communication; or Spanish and health.

A limited number of students each year may apply to pursue the echocardiography certificate through the Mayo Clinic. Once the certificate is successfully completed, students may transfer the credits to Arizona State University and those credits may be applied toward completion of the Bachelor of Science in health sciences.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra  
 or MAT 142 College Mathematics

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHHSCBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to enter the health and health care workforce in a variety of capacities, including indirect and direct patient and community

care roles. Examples include home health, care coordination, medical interpretation, health services management, patient navigation, and community health.

Graduates also may choose to pursue advanced degree programs in various discipline-specific medical fields.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Health Sciences (Health Policy), BS (NUHSCHPBS)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Interested students should apply to the BS in health sciences or the BS in the science of health care delivery.

**Program Description:**

The BS program in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. Students complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness.

The health policy program is designed for students interested in the community policy aspects of disease prevention and health promotion. The continuum of health care now spans a diverse array of health providers ranging from private practitioner offices and outpatient care centers to residential care facilities and acute care hospitals. Key to the enhancement of health care within the U.S. is the development and implementation of innovative, cost-effective and universally accessible programs. Students in this concentration are required to complete a supervised practicum, providing hands-on experience within their field of interest. Students may also wish to consider using their electives to complete a minor in nonprofit administration, which requires 15 credit hours.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
or MAT 117

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The Downtown campus is available to all students who meet university admission standards.

The West campus is only available to students who will be first time freshmen as defined as those who have earned 12 college credit hours or less at the time of admission.

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCHPBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are available in city, county and state departments of health, with additional employment opportunities in the health insurance industry, nonprofit sector and within various corporate entities providing health care.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/home>  
HLTHN 401AA  
[chs@asu.edu](mailto:chs@asu.edu)  
602-496-3300

## Health Sciences (Healthy Lifestyles Coaching), BS (NUHSCHLCBS)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The BS program in health sciences with a concentration in healthy lifestyles coaching is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health and wellness fields or continue their education in discipline specific programs.

Students complete an assortment of core courses that emphasize ethics, critical thinking, personal well-being, cultural awareness, fundamentals and prevention of chronic illnesses, behavior change, and coaching psychology.

The healthy lifestyles coaching interdisciplinary approach equips students with fundamental knowledge from diverse disciplines such as nutrition, fitness, stress management and substance abuse prevention. Students learn about evidence-based resources and practices recommended to improve the well-being needs of individuals and populations.

Students who complete this degree and one additional supervised coaching practical course are eligible for the National Board Certification for Health and Wellness Coaches offered by International Consortium for Health and Wellness Coaches: <http://www.ichwc.org> (<http://www.ichwc.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-sciences-healthy-lifestyles-coaching/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCHLCBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

According to the U.S. Bureau of Labor Statistics, employment for health coaches and health educators is projected to grow 21 percent from 2012 to 2022, faster than the average for all occupations. Growth is driven by efforts to improve health outcomes and to reduce health care costs by teaching people about healthy habits and behaviors and utilization of available health care services.

Health and wellness coaches work in hospitals and health care facilities, schools, public health departments, nonprofit organizations, and private businesses. Career options include positions such as:

- elder service or congregate meal program coordinator
- health and patient educator
- Healthy Start or corporate wellness coordinator
- school health and nutrition program specialist
- women, infants, children and community nutrition aide

worksite wellness coach

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/health-sciences-healthy-lifestyles-coaching>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Health Sciences (Pre-professional), BS (NUHSCPREBS)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Interested students should apply to the BS in medical studies or the BS in nutrition with a concentration in human nutrition.

**Program Description:**

The BS program in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. The preprofessional program is designed for students planning to enter medical, dental, osteopathic, physical therapy, veterinary, pharmacy and similar professional schools. In addition to a comprehensive core of basic science courses, the concentration is unique in that it provides a solid base in ethics; communication; the evaluation of research (the cornerstone of evidence-based practice); and healthy lifestyles (the foundation of health promotion and chronic disease risk reduction avenues of health care), including the role of complementary and alternative care within the U.S. health care system. Students have the ability to incorporate electives that contribute to their knowledge of and sensitivity to the needs of populations impacted by health disparities.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=NUHSCPREBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

If not entering an advanced degree program in the medical field, employment opportunities include:

- clinical research coordinator
- health officer
- sales and marketing representative for pharmaceutical or medical device companies

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/home>  
HLTHN 401AA  
[chs@asu.edu](mailto:chs@asu.edu)  
602-496-3300

## International Public Health, BIPH (NHIPHBIPH)

**Campus:** Online

**Program Description:**

The Bachelor of International Public Health is designed to build and strengthen the international public health workforce and includes coursework from three leading universities: ASU; the University of New South Wales, Sydney; and King's College, London. Aligned with U.S. accreditation standards in public health, the coursework teaches new approaches to emerging public health issues including health promotion, communicable disease prevention, environmental health, public health surveillance and global health management.

Students also have the opportunity to study abroad through optional faculty-led Global Intensive Experiences as well as semester, summer and spring break programs.

In their final year, students complete a capstone experience in their area of interest, which prepares them for careers in global health policy, data and informatics, quality and process improvement, and community-based care.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-international-public-health/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=NHIPHBIPH-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The most recent report of the United Nations High-Level Commission on Health Employment and Economic Growth described the importance of a global workforce that will support the creation of 40 million new jobs, particularly in low- and middle-income countries by 2030. Critical needs include global health policy, data and informatics, quality and process improvement, ethics, economics and community-based care.

Specific career titles include:

- education coordinator
- health coach
- program coordinator
- program manager
- program officer
- project analyst
- research associate
- research manager

Commonly cited hiring organizations include the Peace Corps, the United States Agency for International Development, the Centers for Disease Control and Prevention, the World Health Organization, the United Nations Children's Fund, and other nongovernmental organizations. Other opportunities include postgraduate fellowships with the CDC and UNICEF, among others.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/international-public-health>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Kinesiology, BS (NUKINBS)

**Campus:** Downtown Phoenix, ASU@Lake Havasu

**Program Description:**

A BS degree in kinesiology prepares students for graduate study in physical or occupational therapy, physician assistant programs, medicine and other health-related professional programs. In order to be successful in these programs, students need to have a deep understanding of how the human body works.

In kinesiology, all aspects of human function are studied, but it is done from the perspective of human movement. The curriculum provides a scientifically inclusive approach to human movement, studying mechanical, anatomical, neural, developmental, physiological and psychological mechanisms. This gives students in the program a well-rounded understanding of all aspects of human function as it pertains to movement and exercise.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Clinical Exercise Physiology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUKINBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

An undergraduate degree in kinesiology prepares students for graduate study in a variety of clinical and research occupations including:

- chiropractor
- dentist
- occupational therapist
- pharmacist
- physical therapist
- physician
- physician assistant

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/kinesiology>

HLTHN 401AA

CHS@asu.edu

602-496-3300

## Medical Studies, BS (NHMEDBS)

**Campus:** Downtown Phoenix, West

**Program Description:**

The BS program in medical studies allows students to meet the prerequisites for a variety of health professions programs (medicine or MD programs, dentistry, physician assistant, pharmacy, occupational therapy, physical therapy, optometry and others) and prepares the student for required postgraduate entrance exams, including the revised MCAT.

Students can customize the medical studies degree to meet the prerequisites of the health professions programs for which they intend to apply. Students have the opportunity to learn directly from health care providers, and they can select clinically related internships or electives during their junior year.

This degree program integrates communication, ethics, critical thinking, teamwork and leadership, all of which are essential competencies for members of today's health care team.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHMEDBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students graduating from this program are academically prepared, well-rounded and adept in skills for a number of exciting careers in the allied health fields, dentistry or medicine; education; government; health care industries; or nonprofit organizations. Positions could include:

- community health worker
- project coordinator
- research assistant
- sales or marketing representative (e.g., medical device or pharmaceutical industry)

Students are well-prepared to pursue postgraduate health degrees, resulting in a career as a:

- chiropractor
- dentist
- naturopathic physician
- optometrist
- pharmacist
- physician
- physician assistant
- podiatrist
- public health professional

Many other career options may be available.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/medical-studies>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

**Nutrition, BS (NHNTRBS)**

**Campus:** Downtown Phoenix, Online

**Program Description:**

The BS program in nutrition provides students with the ability to apply nutrition principles in a variety of fields through deep study the food entrepreneurship track.

Food entrepreneurship --- Students develop an understanding of the food industry, learn to manage and market food, and develop a food or menu



that meets a specific nutritional guideline, preparing them to apply their knowledge to food production.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nutrition/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHNTRBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

According to the National Restaurant Association, the number of food service managers is projected to increase by 15 percent in the next 10 years.

The food and nutrition management track prepares students to become food service directors at schools, health care facilities and corporate food service operations. Graduates of the program aspire to own restaurants or nutrition-related businesses, work in supplement or pharmaceutical sales, or work in food marketing and distribution.

The nutrition communication track offers employment opportunities with community and health care agencies, magazines, newspapers, private corporations (e.g., public relations firms) and Web-based companies. Graduates can pursue careers as authors, consultants in program or product development, freelance writers for newspapers and magazines, and public relations representatives for food and beverage companies.

The food studies track prepares graduates for careers in food media, food policy, food history, culinary and food tourism, food product marketing and food product development.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Nutrition (Dietetics), BS (ECNTRDBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS in nutrition with a concentration in dietetics prepares students with the required coursework and skill set to apply for a dietetic internship required to sit for the registration exam to become a registered dietitian, which is a food and nutrition expert. In addition to a core of professional

nutrition courses, students will complete a broad range of science, management and communication classes. The program emphasizes the application of nutrition within clinical, community, food production and wellness areas.

More information about this credential and the requirements for this credential can be found at <https://www.eatrightpro.org/about-us/become-an-rdn-or-dtr/dietetic-careers> (<https://www.eatrightpro.org/about-us/become-an-rdn-or-dtr/dietetic-careers>).

ASU's bachelor's degree program in nutrition with a concentration in dietetics is accredited as a Didactic Program in Dietetics by the Accreditation Council for Education in Nutrition and Dietetics, 120 S. Riverside Plz., Ste. 2190, Chicago IL 60606-6995, phone: 800-877-1600, ext. 5400.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRDBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The nutrition and dietetics field provides employment opportunities in fields such as:

- consulting
- education
- food and nutrition marketing and sales
- nutrition and health promotion
- school food service

Graduates may find opportunities in environments such as:

- hospitals and other health care facilities
- public health agencies

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## **Nutrition (Food and Nutrition Management), BS (ECNTRMBS)**

**Campus:** Downtown Phoenix, Online

ASU is no longer accepting new students to this program. Students interested in this program should apply to the BS in nutrition (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NHNTRBS/undergrad/false>).

**Program Description:**

The BS program in nutrition with a concentration in food and nutrition management provides students with the ability to apply nutrition principles to food production. This concentration is designed to provide students with an understanding of the food industry to manage and market food and develop a food or menu that meets a specific nutritional guideline.

Coursework focuses on a strong foundation in food purchasing, production and planning. Additional coursework in management, marketing and nutrition prepares students for a variety of food service positions. Graduates can also pursue the credentials of certified dietary manager, school nutrition specialist or registered sanitarian.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRMBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

According to the National Restaurant Association, the number of food service managers is projected to increase by 15 percent in the next 10 years. This degree prepares students to become food service directors at schools, health care facilities and corporate food service operations. Graduates of the program aspire to own restaurants or nutrition-related businesses, work in supplement or pharmaceutical sales, or work in food marketing and distribution.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Nutrition (Human Nutrition), BS (ECNTRHBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in nutrition with a concentration in human nutrition provides students with a strong foundation in nutrition and science that prepares them for careers in public or community health programs and clinical or graduate research programs.

In addition to providing a strong foundation in medical nutrition therapy, the coursework includes anatomy, physiology, chemistry and microbiology. Students gain knowledge of nutritional concepts that health care professionals sometimes lack.

Students from this program have gone on to study:

- dentistry
- medicine
- naturopathic medicine
- optometry and podiatry
- osteopathic medicine
- pharmacy

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRHBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The nutrition field provides employment opportunities in:

- education
- food and nutrition marketing and sales
- food service
- health care
- nutrition and health promotion and consulting
- public health

Graduates of the human nutrition program often go on to apply to medical school or another health profession. The area of nutrition research is also a good fit for human nutrition majors.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

**Campus:** Downtown Phoenix, Online

ASU is no longer accepting new students to this program. Students interested in this program should apply to the BS in nutrition (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NHNTRBS/undergrad/false>).

**Program Description:**

The BS in nutrition with a concentration in nutrition communication is designed to help students become experts in communicating health and nutrition content. This concentration was originally developed in collaboration with the Walter Cronkite School of Journalism and Mass Communication.

Nutrition courses provide the content for articles students write in their communication-related classes. This degree program provides students with a strong understanding of the scientific method, statistics, nutrition, health care and wellness that many traditional journalists lack. Faculty members teach students how to avoid sensationalism or sacrificing reality to get a better story.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRCBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The nutrition communication field offers employment opportunities with:

- community and health care agencies
- magazines
- newspapers
- private corporations (public relations firms)
- Web-based companies

With this degree, graduates can pursue careers as:

- authors
- consultants in program or product development
- freelance writers for newspapers and magazines
- public relations representatives for food and beverage companies

**Contact Information:**

Health Solutions, College of  
College of Health Solutions

<https://chs.asu.edu/home>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Public Health, BS (NHPBHBS)

**Campus:** Downtown Phoenix

### Program Description:

The BS degree program in public health teaches students to develop and apply knowledge from multiple disciplines for the promotion and protection of the health of the human population. This degree is designed to appeal to students interested in populations of people (rather than an individual's health), preparing the students with skills in the five core areas of public health, namely:

- behavior science and health education
- biostatistics
- environmental health
- epidemiology
- health services administration

The required internship component of the program (POP 444: Population Health Field Experience) allows students to gain practical experience in public health professions. Graduates typically work as public health practitioners who are competent to plan, implement, evaluate and monitor public health functions and activities in a variety of settings. They are prepared to fill various positions in public and community health as well as pursue further education through graduate study, including a master's degree in public health.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHPBHBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of this program will qualify for entry-level positions in public health education, sanitation and environmental control, public health administration, health promotion and similar areas. Employment opportunities are available within national, state or local health departments and in community clinics, community or private advocacy groups, health education programs and nonprofit organizations.

Popular positions include:

- community health workers --- liaise as front line public health worker (requires a deep understanding of a served community) with community officials and health services to improve the quality and cultural competence of health care service delivery to the community or to vulnerable groups such as children, veterans and the homeless
- environmental specialists --- investigate potential environmental health and food risks, advise the community on how to reduce these risk, and

implement public health projects

- health educators --- teach people about behaviors that promote wellness, and develop and implement strategies to improve the health of individuals and communities
- occupational health and safety specialists --- analyze many types of work environments and procedures, inspect workplaces for adherence to regulations regarding safety, health and the environment, and design programs to help prevent injuries and diseases in workers
- program managers --- plan, direct and coordinate public health programs and initiatives within communities

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/public-health>  
HLTHN 401AA  
CHS@asu.edu  
602-496-3300

## Science of Health Care Delivery, BS (NHHCDBS)

**Campus:** Downtown Phoenix

**Program Description:**

The science of health care delivery is the study and design of systems, processes, leadership and management used to optimize health care delivery and health for all. The BS program in the science of health care delivery is designed to provide undergraduate students a foundation in person-centered health care, leadership and critical thinking, population health, informatics, systems engineering, and economics and policy. Graduates may pursue entry-level positions in health care administration, delivery or policy, or pursue further education through graduate programs.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHHCDBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are academically prepared, well rounded, and adept in skills necessary for a number of exciting careers in health care. Job areas may include entry-level positions in health care administration, management, policy, system design, quality improvement and health services research. Opportunities may include positions in hospital systems, physician practices and clinics, patient navigation, the pharmaceutical industry, insurance companies, government and regulatory agencies, and health research organizations. Graduates may pursue further education through graduate programs in areas such as health care delivery, administration and management.

**Contact Information:**

Health Solutions, College of

College of Health Solutions  
<https://chs.asu.edu/about/academic-program-areas/science-of-health-care-delivery>  
HLTHN 401AA  
CHS@asu.edu  
602-496-3300

## Speech and Hearing Science, BS (LASHSBS)

**Campus:** Tempe, Online

### Program Description:

Students in the BS program in speech and hearing science study the normal aspects of the communication process. Emphasis is placed on the human communication system, including: anatomy and physiology of the hearing and speech mechanisms; speech, language and hearing science; and normal development of speech and language production and perception.

Graduates attain broad-based knowledge in the basic aspects of speech, language and hearing sciences, which prepares them for graduate study in audiology or speech-language pathology, or potential employment opportunities in related health and behavioral fields.

### Additional Program Fee: Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/speech-and-hearing-science-bs/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASHSBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Employment opportunities for program graduates may include positions as:

- hearing aid or cochlear implant company representatives
- research assistants or associates in behavioral disciplines
- speech-language pathology assistants
- support personnel in rehabilitation or health facilities

Many graduates of speech and hearing sciences gain entrance into a graduate-level program in speech-language pathology or audiology. In both fields, a graduate degree is required for employment.

The undergraduate degree in speech and hearing science is also excellent preparation for those who wish to enter professional or graduate programs in fields such as:



- counseling
- education
- law
- medicine
- rehabilitation
- social work
- special education
- teaching for the deaf

Graduates of speech-language pathology and audiology can work with children or adults with communication disorders in a variety of settings, including:

- clinics
- hospitals
- private practice
- schools, all levels of preschool through secondary

**Contact Information:**

Health Solutions, College of  
 College of Health Solutions  
<https://chs.asu.edu/programs/speech-and-hearing-science>  
 HLTHN 401AA  
 chs@asu.edu  
 480-965-2374

## Sports Science and Performance Programming, BS (NHSPTSPPBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in sports science and performance programming prepares students to work with participants whose primary objective is maximizing their performance potential, regardless of the environment. Pushing the limits of performance for success in sports, combat or other tactical situations as well as understanding the stress the body undergoes during training for sport, work or recreational activities allows degree recipients to best plan successful exercise and recovery programs. Graduates are well-prepared to sit for the test to become a Certified Strength and Conditioning Specialist through the National Strength and Conditioning Association, to work in the sports performance field or for graduate study in advanced sports science programs.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHSPTSPPBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career options for this degree include opportunities in sports performance training in high school, collegiate, professional and private sector markets. In addition, students are prepared for careers in tactical performance training with local, state and national governmental agencies including work with police, firefighters and military personnel.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu>  
HLTHN, 4th Floor  
[chs@asu.edu](mailto:chs@asu.edu)  
602-496-3300

## Honors - Barrett, The Honors College

### Honors College, (9HOHONALL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:****ABOUT THE COLLEGE**

Barrett, The Honors College at ASU is widely visited and emulated by other colleges and universities in the U.S. and abroad as the model for honors education in the United States. Barrett stands alone in dedicated resources, size and complexity with a presence on four ASU campuses; a multimillion dollar endowment used to support honors students and their projects; and dedicated deans, faculty and staff that include seven administrators, 42 Faculty Fellows and 62 staff within the college, and more than 1,800 faculty members who teach honors students university-wide each year. Barrett represents a powerful and unique combination of the special care and attention an honors student should expect from an excellent residential liberal arts college, with the vast program choices and research mentoring resources of a vibrant Research I university. This honors community is known nationally for its number of National Merit, National Hispanic and Flinn scholars, and nationally ranked numbers of recipients of Fulbright, Truman, Goldwater, Udall and Marshall Fellowships.

In 2009, Barrett opened the nation's first comprehensive 4-year residential honors college within a top-tier Research I university. The \$140 million, 9-acre honors campus in Tempe includes administrative, faculty and staff offices, as well as classrooms and residence halls for 1,700 honors students. It uniquely features a signature dining hall refectory and café, several courtyards, student lounges, activity rooms, computer labs and a community center. The 4-year residential campus in Tempe expanded to the 18-acre Vista Del Sol site across the street in 2013 and now accommodates 1,500 additional beds for upper-division honors students, the honors admissions and recruiting operations, classrooms, and community space, offices and amenities that include a theater, pool, writing center, fitness, recreation and events facilities. Honors students on the Polytechnic, West and Downtown campuses also enjoy the benefits of living in new and growing honors communities that offer academic and co-curricular experiences.

Honors faculty and staff are committed solely to enabling the best education possible for intellectually-engaged students from Arizona, America and the world.

**STUDENT OPPORTUNITIES**

ASU's size, number of majors, student organizations and student support services is an advantage and provides important opportunities for Honors students to engage in meaningful ways. With the largest residential college profile across all four ASU campuses, Barrett dramatically contributes to the student life of the entire university. Barrett students demonstrate leadership in the classroom, in research labs, in mentoring and tutoring other students, and in securing leadership roles in ASASU student government, Changemaker Central, Greek Life, and more than 700 student organizations, chapters and societies. Barrett students positively impact ASU and local, national and global communities through internships, service, travel and other professional development opportunities within Honors and across ASU. Barrett offers a full range of student-driven service, wellness, arts, cultural, social, entrepreneurial, professional development and sustainability programming. More recently, Barrett formed unique partnerships with Indigo and CalmCircle to provide students access to individualized personal development and well-being tools.

Popular Honors events on the Tempe campus include: Lunch with the Dean, Dinner with Faculty nights, and Ladies' Tea at the historic University Club. Honors students have opportunities to attend Tony Award-winning Broadway musicals at Gammage Theater; explore the world's only Musical Instrument Museum; round up cattle on our cattle drive; attend biweekly yoga classes; learn healthy eating habits from a certified nutritionist; and share their musical talents at monthly Open Mic Nights in Barrett's very own Burning B Café.

The Downtown Phoenix campus hosts weekly events to engage students with the culture of the community in which they reside. Popular events include B-town Attends, Mindful Tuesdays, Life Hacks, and the signature event, Red Carpet, held at a culturally significant facility such as the Phoenix Art Museum.

The Polytechnic campus is known for cutting-edge labs, innovative faculty and students who are solving real-world problems with ground-breaking applied technology and solutions. Many Honors students present their work at the end of each semester at the Ira A. Fulton Polytechnic Innovation Showcase, which is an impressive exhibition featuring many of these innovative student projects and interdisciplinary collaborations. The Barrett Honors faculty and staff at the Polytechnic campus also host unique programming such as the Fall Freshman Retreat in Prescott, Human Event Tribunals, and the annual Dinner Down the Orchard, which is a signature event for Barrett Honors students on all campuses.

West campus Barrett Honors faculty and staff host Culture Clash, an event at which students are immersed in different cultures and enjoy food, discussion and films from each unique culture. West campus students also partake in traditions like the Barrett Ball, Homecoming Carnival, and the signature event, Womyn's Collegiate Leadership Conference.

Recently, Barrett expanded its global initiatives platform to include its Distinguished Global Leader Series, global classroom, summer abroad and shorter global intensive experiences, internship and service abroad, and credit and noncredit opportunities. Great American Cities is one of the most popular travel programs; students visit cities like Boston, New York City, New Orleans, Anchorage and Miami and engage in a service project while enjoying the history, culture and great food of their destination. Other travel opportunities range from turn-around trips to Arizona monuments to overnight trips to Disneyland.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students must complete an application to Arizona State University before submitting a separate application to Barrett, The Honors College.

Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records, their ranking within the graduating class, and their performances on the SAT or ACT. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have had unusual life experiences or display significant community involvement.

The Barrett admission application and additional information about the college and its activities are available at <https://barretthonors.asu.edu> (<https://barretthonors.asu.edu>).

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=9HOHONALL~null + &college=CHO>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Contact Information:**

Honors - Barrett, The Honors College

Barrett, The Honors College

<https://barretthonors.asu.edu/>

SGHAL 101

480-965-2354

## Integrative Sciences and Arts, College of

## Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)

**Campus:** Polytechnic

### Program Description:

The BS program with a concentration in applied biological sciences offers students solid foundations in biology and related sciences while allowing them to focus on an area of special interest. This concentration works well for students interested in pursuing research careers in biology or for students planning to enter graduate or professional programs related to human health including:

- biotechnology
- dentistry
- epidemiology
- medical technology
- medicine
- physical therapy
- physician's assistant programs
- public health

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSABS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates may pursue entry-level careers in wildlife and restoration ecology, urban horticulture and secondary education. The general program in applied biological sciences prepares graduates to succeed in graduate and professional schools in disciplines such as:

- biological research
- dentistry
- environmental biotechnology
- human health
- medicine
- physical therapy
- secondary education

**Contact Information:**

Integrative Sciences and Arts, College of  
 College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
 SANCA 233  
 cisa@asu.edu  
 480-727-1526

## Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)

**Campus:** Polytechnic

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The applied ecology and preveterinary medicine concentration is designed for students who want a strong scientific foundation in animal biology and health. It is especially appropriate for students planning to enter graduate or professional programs in veterinary medicine, animal health, or wildlife biology and ecology, or to start careers related to wildlife biology, ecology, restoration and rangeland management. Public and private career options are diverse and include small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, animal biology, and habitat research and secondary education.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSRBS-null + &college=CLS>) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates can pursue numerous entry-level careers in animal health and nutrition. The program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- animal biology
- animal health
- veterinary medicine

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
[cisa@asu.edu](mailto:cisa@asu.edu)  
480-727-1526

## Applied Biological Sciences (Natural Resource Ecology), BS (LSABSNRBS)

**Campus:** Polytechnic

**Program Description:**

The BS in applied biological sciences with a concentration in natural resource ecology is for students who are interested in sustainably managing and restoring degraded plant, soil and wildlife resources. Graduates of this degree program have the academic background and hands-on experience that allow them to work in government agencies or environmental consulting firms or enter graduate programs in the area of natural resource ecology. Range conservationists, wildlife managers and other ecologists work in a variety of ecosystems to ensure sustainability of our natural resources for future generations.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 251

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSABSNRBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities include employment in public agencies and private consulting firms, and includes possible positions such as:

- environmental consultant
- environmental research and education
- natural resource manager
- park manager
- range manager
- watershed manager
- wildlife biologist or ecologist

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
[cisa@asu.edu](mailto:cisa@asu.edu)  
480-727-1526

## Applied Biological Sciences (Preveterinary Medicine), BS (LSABSPMBS)

**Campus:** Polytechnic

**Program Description:**

The purpose of the concentration in preveterinary medicine in the BS program in applied biological sciences is to prepare undergraduate students to successfully complete the admission requirements for pursuing an advanced degree in veterinary medicine. The concentration curriculum emphasizes a solid foundation in biology, chemistry, physics, animal science and mathematics while offering specialized courses in veterinary medicine and opportunities for placement in internships in the field.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 251

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSABSPMBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities for graduates of this program may include entry into professional programs in veterinary medicine and animal health including small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, education and animal biology research.

**Contact Information:**

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602-727-1526

## Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)

**Campus:** Polytechnic

**Program Description:**

The secondary education in biology concentration is designed for students who want to teach biology at the high school level. In addition to the standard curriculum, students receive hands-on experience in laboratory instruction in this BS program in applied biological sciences. The goal is to prepare teachers who excel in biology and the related sciences.

Students enrolling in this concentration should also contact the Mary Lou Fulton Teachers College.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.



Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of this concentration are prepared to pursue numerous entry-level careers in biology. Specific career fields include secondary education, wildlife and restoration ecology, and urban horticulture. Employment opportunities exist in private and public sectors. Also, graduates of the general program in applied biological sciences are prepared to succeed in graduate or professional schools in disciplines such as:

- animal health
- dentistry
- ecology
- environmental biotechnology
- horticulture
- medicine
- physical therapy
- teaching
- wildlife biology

#### **Contact Information:**

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## **Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)**

**Campus:** Polytechnic

#### **Program Description:**

The sustainable horticulture concentration within the BS program in applied biological sciences is designed for students who want theory and practical experiences in the unique aspects of the culture of plants in an urban desert environment. Students acquire the skills to produce, design and care for ornamental and edible plantscapes using sustainable technologies.

Students are prepared for a range of horticulture careers in the private and public sectors, including in nursery plant production, landscape design and culture as well as local food production and organic urban farming.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSUBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Horticulture is a multibillion dollar national and international enterprise that offers a diverse and exciting choice of professional careers. Graduates can pursue numerous entry-level careers in horticulture. Employment opportunities exist in private and public sectors. The sustainable horticulture concentration prepares graduates to succeed in graduate or professional schools in disciplines such as:

- aftermarket care of plants
- biology of the plants in desert cities
- care and management of trees in cities
- creation of public, community and private gardens in arid climates
- design and installation of outdoor landscapes including landscape irrigation systems
- integrated pest management
- marketing
- nursery production
- organic farming
- plant identification
- plant propagation

The general program in sustainable horticulture also prepares graduates to succeed in roles such as:

- arboretum or botanical garden manager
- city horticulturist
- city park superintendent or manager
- horticultural consultant
- horticultural plant researcher or educator
- horticulture products and supplies
- horticulture supply sales representative
- integrated pest management specialist
- interior plant specialist
- irrigation system designer or consultant
- landscape designer or contractor
- landscape services company owner or operator
- nursery plant broker and plant salesperson

- nursery production owner or manager
- organic farmer or permaculturist
- plant propagator
- urban forester, tree specialist or arborist
- urban plant ecologist

Career opportunities for urban horticulture graduates are not limited to any one geographic location; graduates can embark on careers throughout the United States, Canada, Mexico and overseas.

**Contact Information:**

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## Applied Mathematics, BS (LSMATBS)

**Campus:** Polytechnic

**Program Description:**

The BS in applied mathematics offered by the College of Integrative Sciences and Arts is a transdisciplinary program focused on developing flexible problem-solvers who can apply mathematical techniques and skills to a wide range of problems in the sciences, such as biology, social sciences, chemistry, physics and engineering.

The coursework builds a foundation in mathematical modeling, data analysis and the interpretation of mathematical results in real-world settings. Students choose electives in the sciences, technology, engineering or other areas of interest to complement and provide context for their mathematical training.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
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 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSMATBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared to apply their analytic skills and technical knowledge to problems in a range of careers in industry, government, education or nonprofit organizations. They also pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics and applied mathematics such as in mathematical biology).

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480-727-1526

## Applied Physics, BS (LSAPHYBS)

**Campus:** Polytechnic

**Program Description:**

The acceleration of advances at the frontier between physics, engineering and technology creates a need for interdisciplinary training and research that is not readily accommodated by traditional single-focus programs in physics. Bringing fundamental physics together with its immediate applications, the BS in applied physics is attractive to students whose interests span new physical technologies in industry and engineering. The degree combines physics, computer science and applied mathematics to tackle complex real-life problems in physics, material sciences, engineering, chemistry and others.

The bachelor's degree program brings together the expertise of physics faculty, particularly in the modeling of physical systems, which relies heavily on both modern numerical techniques and fundamental physics. The growing presence of Intel and other high-tech companies in the east valley and metropolitan Phoenix presents a unique opportunity to enhance the students' interaction with industry. Given the importance of hands-on experience, the degree program offers a series of unique courses allowing students interactive involvement in a project-based environment.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSAPHYBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program apply their knowledge in high-performance and scientific computing, biophysics, condensed matter physics, chemistry, material science, electrodynamics and radar physics. This knowledge is vital for employment in chemical and pharmaceutical companies, environmental management agencies and firms specializing in scientific software. Graduates are prepared to continue their studies in graduate programs in physics and chemistry.

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## Applied Quantitative Science, BS (LSAQSBS)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

### Program Description:

Students learn to integrate and apply STEM supported skills that are increasingly in demand in the 21st-century.

Graduates of the BS in applied quantitative science acquire six habits of mind, mental activity that becomes increasingly automatic over progress through the curriculum and extending into career development. Students are able to:

- apply and project quantitative reasoning to unfamiliar contexts
- communicate well within and without the expert domain
- critically and adaptably think about complex problems
- effectively search through and evaluate information
- experiment creatively and in an informed manner in search of new insights
- use sophisticated insight involving statistical inference and quantitative reasoning

This program is offered as a stand-alone degree on the Polytechnic campus. Students pursuing degrees on all four metropolitan campuses can add this degree as a concurrent degree.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSAQSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Increasingly, employers are hiring people who know how to use quantitative information. By completing this degree program, students equip themselves with the skills and knowledge sought by today's employers. People who work in any business or industry need to use quantitative skills to solve problems.

### Contact Information:

Integrative Sciences and Arts, College of  
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## Applied Science (Applied Leadership), BAS (LSALSBAS)

**Campus:** Polytechnic, ASU@Cochise, PIMA, ASU@Pinal, ASU@The Gila Valley, ASU@Yavapai, Online

### Program Description:

This BAS program prepares students for leadership positions in a wide variety of organizations and career fields. The concentration in applied leadership provides a valuable degree pathway for students with Associate of Applied Science degrees in fields such as fire science, environmental technology, machine shop technology and welding technology. Students learn leadership skills necessary to prepare them to become effective leaders in diverse environments --- applying those skills as team leaders, floor managers and shift captains.

The concentration in applied leadership focuses on the practice of innovative and effective leadership and helps students develop the skills and knowledge that leaders need to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Admission Requirements:

Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. For students with an AAS from an Arizona community college, the AGEC is recommended but not required. This program is not available for freshmen.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/applied-leadership-bas/>)

### Change of Major Requirements:

Only students who have completed a Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSALSBAS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates possess skills and knowledge needed for leadership positions in a wide range of organizations, including business, government, nonprofit agencies and the service industry.

### Contact Information:

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USE 138

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480-965-4464

## Applied Science (Technical Communication), BAS (LSTECBAS)

**Campus:** Polytechnic

### Program Description:

The BAS in applied science with a concentration in technical communication is a flexible degree plan designed specifically for students who have earned an AAS degree from a regionally accredited institution. This major combines the technical experience gained in the student's associate degree program with a broader education of skills in management, leadership, critical thinking and communication.

Technical communication is applied workplace communication that makes technical information understandable and available to many audiences. In the technical communication concentration, students learn how to produce, design and manage information using both traditional and developing technologies.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

### Change of Major Requirements:

Only students who have completed a Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECBAS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The Bureau of Labor Statistics estimates the need for writers and editors will increase by 25 percent during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers. Students in the program will prepare for careers as:

- advertising and promotions managers
- communications teachers (postsecondary)
- copy writers
- correspondence clerks
- court clerks
- desktop publishers
- editors
- media and communication workers
- proofreaders and copy markers
- public relations specialists
- technical writers

**Contact Information:**

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480-727-1526

## Communication, BA (LSCOMBA)

**Campus:** Downtown Phoenix, Polytechnic

**Program Description:**

The BA program in communication in the College of Integrative Sciences and Arts explores how communication processes create, maintain and transform identities, relationships, workplaces and communities. With a dual emphasis on urban communication and technology, it allows for a concerted focus on the rapidly changing modalities of communication occurring today.

Through the study and critique of human communication, students gain the knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities, and constructive intercultural interaction. Students must complete a minimum of 12 upper-division credit hours of COM courses offered by the College of Integrative Sciences and Arts.

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSCOMBA-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the communications program often attend other top-tier graduate schools, law schools and business schools, or find gainful employment in careers such as these:

- advertising and promotions managers
- clinical research coordinators
- communications teachers, postsecondary
- correspondence clerks
- customer service representatives
- distance learning coordinators
- editors
- education administrators, postsecondary
- labor relations specialists



- lawyers
- legal support workers, all other
- marketing managers
- media and communication workers, all other
- meeting, convention and event planners
- middle school teachers
- paralegals and legal assistants
- postsecondary teachers
- public address system and other announcers
- public relations specialists
- retail salespersons
- sales and related workers
- sales managers
- sales representatives
- secondary school teachers
- survey researchers
- training and development managers
- training and development specialists

**Contact Information:**

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## Counseling and Applied Psychological Science, BS (LSCAPSBS)

**Campus:** Polytechnic

**Program Description:**

Counseling and applied psychological science is a specialty in promoting psychological well-being. Counselors and applied psychologists provide the tools and resources necessary for individuals, families and organizations to cope with everyday problems.

The BS program in counseling and applied psychological science provides foundational training in counseling theories, addictions, trauma, lifespan development, group counseling and professional ethics. A unique aspect of the program is its attention to cultural diversity, which focuses on age, gender, race, ethnicity, sexual orientation, religion and socioeconomic status.

Graduates may qualify for employment in behavioral health care delivery settings such as community agencies, hospitals, and rehabilitation centers to support counselors and other mental health professionals. Graduates are prepared for a variety of careers, such as behavioral health technicians, vocational rehabilitation assistants, human service workers and life-skills instructors. Graduates will not be license-eligible as professional counselors but are well-prepared to enter graduate degree programs in counseling and related fields.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSCAPSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A degree in counseling and applied psychological science prepares students for careers in various settings:

- community centers
- government (sales and marketing, human resources management)
- mental health professions (youth counselor, substance abuse counselor, behavioral health technician)
- social services (high school psychology teacher, occupational analyst)
- schools and colleges (school psychologists, educators, professors)
- substance abuse treatment clinics

Advanced degrees or certifications may be required for academic or clinical positions.

The degree also provides an excellent foundation for graduate study in disciplines such as counselor education, counseling psychology, clinical psychology, social work and family studies.

The Bureau of Labor Statistics shows the job outlook (2016-26) for substance abuse, behavioral disorder, and mental health counselors is 23%, which is "much faster than average."

**Contact Information:**

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480-727-1526

## English, BA (LSENGBA)

**Campus:** Polytechnic

**Program Description:**

The BA program in English focuses on effective writing, critical thinking and reading of sophisticated literary and nonliterary texts. The faculty teach courses in English, American and world literature from the Classical period to the present, creative and academic writing, and American and international film. Internships in online publishing are also offered through ASU's acclaimed online literary journal, Superstition Review: <https://superstitionreview.asu.edu/> (<https://superstitionreview.asu.edu/>).

Students must complete a minimum of 12 upper-division credit hours of ENG courses offered by the College of Integrative Sciences and Arts.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LENGBA-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in English prepares scholars and teachers for graduate or professional study and for careers in education, writing and other related fields. Career prospects for secondary language arts teachers in Arizona are particularly strong. More importantly, students in the program develop skills that employers value, such as analyzing ideas and problems, finding and evaluating information, communicating effectively and presenting clear and logical arguments. With these skills, graduates of the program can find jobs such as these:

- advertising and promotions managers
- broadcast news analysts
- copy writers
- court reporters
- editors
- English language and literature teachers
- judicial law clerks
- lawyers
- legal support workers
- marketing managers
- media and communication workers
- middle school teachers
- paralegals and legal assistants
- poets, lyricists and creative writers
- postsecondary teachers
- public relations specialists
- sales managers
- sales representatives
- secondary school teachers
- teachers and instructors
- technical writers
- writers and authors

**Contact Information:**

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[cisa@asu.edu](mailto:cisa@asu.edu)  
480-727-1526

## Exploratory Health and Life Sciences, (UCHSCIEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, ASU@Lake Havasu, Online

**Program Description:**

The exploratory health and life sciences track offers students an opportunity to explore a variety of majors related to the health and life science professions.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill

while affording them some time to explore a variety of academic courses that may lead to a potential major interest.

All College of Integrative Sciences and Arts exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)

UNI 250 Choosing a Major (1)

UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, students should refer to <https://cisa.asu.edu/exp-health-life-sciences-majors> (<https://cisa.asu.edu/exp-health-life-sciences-majors>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:**

Math courses needed will be determined by potential major choice.

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Change of Major Requirements:**

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all College of Integrative Sciences and Arts majors are available at <https://cisa.asu.edu/advising> (<https://cisa.asu.edu/advising>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCHSCIEXP-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu/>

USE 138

[exploratory@asu.edu](mailto:exploratory@asu.edu)

480-965-4464

## Exploratory Humanities, Fine Arts and Design, (UCHUFAEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, ASU@Lake Havasu, Online

**Program Description:**

The exploratory humanities, fine arts and design track offers students an opportunity to explore a variety of majors related to the humanities, fine arts and design professions.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill while affording them some time to explore a variety of academic courses that may lead to a potential major interest.

All College of Integrative Sciences and Arts exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)

UNI 250 Choosing a Major (1)

UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, students should reference <https://cisa.asu.edu/exp-art-design-humanities-majors> (<https://cisa.asu.edu/exp-art-design-humanities-majors>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:**

Math courses needed will be determined by potential major choice.

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

**Change of Major Requirements:**

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all CISA majors are available at <https://cisa.asu.edu/advising> (<https://cisa.asu.edu/advising>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCHUFAEXPL~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu/>

USE 138

[exploratory@asu.edu](mailto:exploratory@asu.edu)

480-965-4464

## Exploratory Math, Physical Sciences, Engineering and Technology, (UCEMTPEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, Online

### Program Description:

The exploratory mathematics, physical sciences, engineering and technology track offers students an opportunity to explore a variety of majors related to the mathematics, physical sciences, engineering and technology professions.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill while taking some time to explore a variety of academic courses that may lead to a potential major interest.

All College of Integrative Sciences and Arts exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)

UNI 250 Choosing a Major (1)

UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, students should reference <https://cisa.asu.edu/exp-engineering-math-technology-physical-sciences-majors> (<https://cisa.asu.edu/exp-engineering-math-technology-physical-sciences-majors>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

Math courses needed will be determined by potential major choice.

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

### Change of Major Requirements:

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all CISA majors are available at <https://cisa.asu.edu/advising> (<https://cisa.asu.edu/advising>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCEMTPEXPL~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Career opportunities are specific to the ultimate major of choice.

### Contact Information:

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu/>

USE 138  
exploratory@asu.edu  
480-965-4464

## Exploratory Social and Behavioral Sciences, (UCSBSEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, ASU@Lake Havasu, Online

### Program Description:

The exploratory social and behavioral sciences track offers students an opportunity to explore a variety of majors related to the social and behavioral sciences, such as psychology, history, education, journalism and business-related careers.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill while taking some time to explore a variety of academic courses that may lead to a potential major interest.

All College of Integrative Sciences and Arts exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)  
UNI 250 Choosing a Major (1)  
UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, students should reference <https://cisa.asu.edu/exp-social-behavioral-sciences-majors> (<https://cisa.asu.edu/exp-social-behavioral-sciences-majors>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:**

Math courses needed will be determined by potential major choice.

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/request-info>)

### Change of Major Requirements:

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all CISA majors are available at <https://cisa.asu.edu/advising> (<https://cisa.asu.edu/advising>).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCSBSEXPL~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

Integrative Sciences and Arts, College of  
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<https://cisa.asu.edu/>  
USE 138  
exploratory@asu.edu  
480-965-4464

## General Studies, BA (LSGNSBGS)

**Campus:** Downtown Phoenix, Polytechnic, ASU@Lake Havasu

**Program Description:**

The BA program in general studies offers students a flexible, innovative path to degree completion. Graduates of the program are informed and effective members of society who are well-prepared for a changing global marketplace with its diverse cultures.

The theme of this degree is society and the individual. Students explore the tensions between individualism and collectivism, the public and private selves and the interplay of culture and identity.

**Additional Program Fee:** N**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSGNSBGS-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students who have majored in general studies have the option of working in almost any field that requires effective interaction with others, from sales to social services and organizational management to government administration. Graduates are equipped with transferable skills highly desired by many employers; therefore, a wide array of job choices are available. The bachelor's degree creates great flexibility in career choice because of the versatility within the program.

Graduates may choose to enter occupations for which their cluster prepares them, including:

- administrative services manager
- curator
- medical and health service
- middle school teacher
- postsecondary teacher
- property, real estate and community association managers
- public relations specialist
- purchasing manager



- real estate sales agent
- sales manager
- writer and author

**Contact Information:**

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<https://cisa.asu.edu>  
 AZCENT 380  
 cisa@asu.edu  
 602-496-0271

**History, BA (LSHISBA)**

**Campus:** Polytechnic

**Program Description:**

The BA program in history focuses on American history, with coursework in European, Latin American and global historical perspectives. Faculty expertise includes the history of technology and science, biography, war and its effect on society, public history, aviation, environmental history, and related fields.

Students are trained in methods of historical research and study the development of human society from social, cultural and political perspectives. The capstone course and other research courses allow students to apply research and writing skills as practitioners of history and creators of analytical narratives.

Students must complete a minimum of 12 upper-division credit hours of HST courses offered by the College of Integrative Sciences and Arts.

Students who would like to combine this degree with teaching certification should contact the Mary Lou Fulton Teachers College.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

- General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSHISBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in history prepares scholars and teachers for graduate and professional studies and for careers in education, writing and other related fields. Career prospects for secondary history and social studies teachers in Arizona are particularly strong. Students in the program develop skills in:

- analyzing and assessing ideas and problems
- communicating effectively orally and in prose
- finding and evaluating information
- presenting clear and logical arguments

With these skills, graduates of this program may find jobs in:

#### Public History

- archivists
- museum curators
- museum technicians and conservators

#### Legal Profession

- court reporters
- law clerks
- lawyer
- paralegal and legal assistants

#### Education

- college and university faculty
- middle school teachers
- secondary school teachers

#### Media and Communication

- broadcast news analysts
- historians
- media and communication workers
- news columnists
- reporters and correspondents
- writers

The degree program also prepares students to continue in graduate and professional programs.

#### Contact Information:

Integrative Sciences and Arts, College of

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<https://cisa.asu.edu>

SANCA 233

[cisa@asu.edu](mailto:cisa@asu.edu)

480-727-1526

## History of Science, Ideas and Innovation, BA (LSHSIIBA)

**Campus:** Polytechnic

#### Program Description:

Leveraging the Polytechnic campus as a hub of innovation, the BA program in the history of science, ideas and innovation provides students with a grounding in the social and intellectual issues central to understanding the role of science, technology and ideas from past to present.

This transdisciplinary degree program encourages students to combine coursework in the natural and applied sciences with historical and philosophical approaches to social knowledge. Students majoring or minoring in the history of science, ideas and innovation program graduate with a foundation for advanced work either in the humanities, the sciences or in transdisciplinary fields bridging written and technical work.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=LSHSIIBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of the history of science, ideas and innovation program are prepared for successful careers in a wide range of fields, including science and technical writing, consulting, museum studies, the digital humanities and other fields that benefit from transdisciplinary exchange. Graduates are also prepared to enter advanced programs in history and science as well as law and medical schools.

#### **Contact Information:**

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<https://cisa.asu.edu>

SANCA 233

[cisa@asu.edu](mailto:cisa@asu.edu)

480-727-1526

## **Integrative Social Science, BS (LSISSBS)**

**Campus:** Polytechnic

#### **Program Description:**

The BS in integrative social science is designed to cross-educate students in the disciplines of the social sciences to meet the complex issues that confront the human society in the 21st century.

The emphasis of the program lies in bridging traditional disciplinary boundaries to immerse students in the myriad of theories and skills available across disciplines, allowing for true fusion of ideas and methodologies which otherwise may elude them with traditional, single-discipline social science programs.

Graduates of the program are prepared with theory and research skill sets that allow them to draw from the best of the multiple disciplines of the social sciences as they confront a technically sophisticated world.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Integrative Social Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSISSBS-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Because of their mastery of the multiple methodologies of the social sciences, graduates of the program have many more professional opportunities available to them than their peers with single-discipline training. Graduates' pursue a variety of careers, exemplified by this partial list:

- conflict resolution experts
- counselors or case workers
- data analysts
- environmental assessment experts
- facilitators
- organization managers (private, public and nonprofit)
- policy analysts
- program evaluators
- public relations officers
- public safety and criminal justice professionals
- sustainability experts

### **Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

[CISAPoly@asu.edu](mailto:CISAPoly@asu.edu)

480-727-1526

## **Interdisciplinary Studies, BA (LSBISBIS)**

**Campus:** Downtown Phoenix, Polytechnic, Tempe, Online

### **Program Description:**

The ASU BA program in interdisciplinary studies, one of the top five in the country, offers students the freedom to select two areas of study, referred to as concentration areas, from a rich menu of more than 140 possibilities. Concentration checksheets are available at <https://cisa.asu.edu/interdisciplinary-studies-concentrations> (<https://cisa.asu.edu/interdisciplinary-studies-concentrations>).

The core curriculum provides students the intellectual tools to integrate their concentration areas, engage in transdisciplinary problem-solving and prepare for careers and graduate programs that increasingly cross disciplinary boundaries. An interdisciplinary studies student could choose to integrate concentrations like music and business, psychology and social welfare, communication and justice studies, public administration and ethics, digital culture and computer gaming, or many other unique combinations.

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary studies students take an active role in designing their educational plans and defining their career goals. The degree emphasizes written communication, versatility, self-assessment and critical thinking --- essential skills for today's dynamic world.

Those interested in the online program for interdisciplinary studies may visit the ASU Online website for more information.

states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The program is available to all students in good academic standing who have achieved sophomore, junior or senior standing. Students should meet with an advisor to declare their major as interdisciplinary studies.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-interdisciplinary-studies/>)

**Change of Major Requirements:**

There are no additional requirements for current ASU students to change majors into this program; however, students interested in the interdisciplinary studies major are highly encouraged to meet with an advisor.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSBISBIS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Because of the flexibility of the interdisciplinary studies program, graduates take many exciting career paths after leaving ASU. While some students complete graduate or professional degrees, others immediately enter the job market. For example, one graduate combined business and communication and now owns a small business; another integrated sociology and family studies to further a career in law enforcement; another studied philosophy and economics to prepare for law school; another combined biology and chemistry in preparation to pursue a master of pharmacy degree; yet, another studied Spanish and religious studies and now works as an employee trainer for a major company.

Possible career opportunities include:

- archivist
- chief executive
- climate change analyst
- compliance manager
- computer network support specialist
- curator
- editor
- environmental restoration planner
- general and operations manager

- regulatory affairs manager
- reporters and correspondent
- web developer
- wholesale and retail buyer (except farm products)

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## Interdisciplinary Studies (Organizational Studies), BA (LSORGBIS)

**Campus:** Online

**Program Description:**

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary students develop the intellectual tools needed to build bridges between academic disciplines and apply their skills, innovations and knowledge in various academic and practical settings.

The BA degree in organizational studies is intended for students seeking an interdisciplinary degree and who possess a desire to learn about the dynamics of contemporary organizations. Organizational studies students gain valuable knowledge of management styles, communication strategies, technologies, diversity, ethics and politics. All coursework for organizational studies is offered online, giving students freedom and flexibility in completing their requirements.

Those interested in the online program for interdisciplinary studies (organizational studies) may visit the ASU Online website for more information.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-interdisciplinary-studies-organizational-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGBIS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

By engaging in a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, students prepare

themselves for a range of professions, including:

- human resources specialists
- industrial organizational psychologists
- investment fund managers
- loss prevention managers
- management analysts
- regulatory affairs managers
- supply chain managers
- urban and regional planners

Many students majoring in organizational studies already have a chosen career field, yet desire a degree that is versatile, flexible, meaningful and that affords the opportunity for continued career development and advancement. Because of the flexibility of the program, organizational studies graduates take many different career paths after finishing their degree. Recent graduates have found opportunities in many exciting fields, such as:

- business
- education
- health care administration
- nonprofit administration
- tourism

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## Liberal Studies, BA (LABLSBLS)

**Campus:** Polytechnic, Online

**Program Description:**

The BA program in liberal studies helps address student interests in a broad array of disciplines and subject matter. The program aims to give students the grounding to use knowledge as more successful thinkers, decision-makers and leaders. The liberal studies core classes are designed to promote critical and creative thinking as students learn how to draw upon diverse disciplinary perspectives and modes of inquiry, help advance communication skills, and support professional career development.

Students majoring in liberal studies have become part of an international movement in higher education. This movement has proven empowering to people who are given the flexibility to explore multiple interests or approach a particular interest from various perspectives. Students are not alone in their chosen path. In fact, this program is just one of hundreds of similar programs offered in colleges and universities across the nation.

The program shares with all other liberal arts and science degrees the goal of developing analytical and communicative abilities. The program offers breadth of learning in an online setting. The liberal studies degree is transdisciplinary, providing students a thematic approach to education.

Those interested in the online program for liberal studies may visit the ASU Online website for more information.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Admission Requirements:

ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in liberal studies, a prescribed sequence of courses

that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Arts in Liberal Studies. Upon completion of the TAG, students will complete the remaining requirements for ASU's bachelor's program. Visit <https://transfer.asu.edu/> (<https://transfer.asu.edu/>) for more information about ASU degrees offered at local community colleges.

This program may also accept transfer credit in lieu of a TAG agreement. Please contact the department for details.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-liberal-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABLSBLS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Liberal studies graduates are prepared to enter the workforce or pursue graduate or professional studies.

Liberal studies courses prepare students for the following careers, among others. Some career options may require additional training or schooling:

- chief executives
- data warehousing specialists
- document management specialists
- elementary, middle and high school principals
- emergency medical technicians and paramedics
- general and operations managers
- human resources specialists
- industrial ecologists
- lawyers
- paralegals and legal assistants
- police detectives
- postsecondary teachers
- technical writers
- web administrators

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## Organizational Leadership, BA (LSORGLBA)

**Campus:** Polytechnic, ASU@Cochise, ASU@Lake Havasu, PIMA, ASU@Pinal, ASU@The Gila Valley, ASU@Yuma, ASU@Yavapai, Online

### Program Description:

The BA program in organizational leadership uses transdisciplinary methods that prepare students to become leaders in organizations. Students develop the skills and knowledge that leaders need to solve problems, communicate effectively, assess programs, manage resources and use emerging technologies in organizations. Students are prepared for a range of positions in the public and private sectors, including in government, health care administration, nonprofit agencies, in businesses and the service industry.

Arizona State University has established partnerships with Central Arizona College and Eastern Arizona College that allows students to complete their associate degree at CAC or EAC and then pursue this bachelor's degree through classes delivered on these campuses. More information about ASU degrees offered at these locations is available at <https://admission.asu.edu/transfer> (<https://admission.asu.edu/transfer>). This program is also offered at the ASU Colleges in Lake Havasu City; the major map is shown at <https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LSORGLBA/null/CALHC/2019> (<https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LSORGLBA/null/CALHC/2019>).

Those students interested in the organizational leadership online program may visit the ASU Online website for more information.

Students interested in completing the BA program in the Gila Valley, Pinal County, Cochise County, Pima County, Yavapai County or Yuma are encouraged to complete a Transfer Admission Guarantee program. Students should see admission requirements below.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

Online: MAT 142 or MAT 117 or higher. Lake Havasu: MAT 117 or higher. Students simply need to fulfill the General Studies math requirement.

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Admission Requirements:

The Gila Valley and Yuma Students:

ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in organizational leadership, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Arts in organizational leadership. Upon completion of the TAG, students will complete the remaining requirements for ASU's bachelor's program. Visit <https://transfer.asu.edu/> (<https://transfer.asu.edu/>) for more information about ASU degrees offered at local community colleges.

This program may also accept transfer credit in lieu of a TAG agreement. Please contact the department for details.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-organizational-leadership/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGLBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates possess skills and knowledge needed for leadership positions in a wide range of organizations --- such as business, government, health care administration, nonprofit agencies and the service industry. Students who complete the program on the ground in Lake Havasu City choose from three concentrations, with the following job titles based on information from other universities with similar degrees:

- organizational behavior: knowledge manager, director of employee services, director of training, diversity specialist, performance evaluation specialist, community relations manager
- organizational leadership: director of youth development, sales manager, executive assistant, housing assistant, supervisor, service manager, deputy sheriff trainee, sales executive, knowledge manager, talent manager, organization development consultant
- project management: project manager, account manager, facilities manager, senior video producer

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## Organizational Leadership (Project Management), BA (LSORGLPMBA)

**Campus:** Polytechnic, Tempe, ASU@Cochise, PIMA, ASU@Pinal, ASU@The Gila Valley, ASU@Yavapai, Online

**Program Description:**

The BA program in organizational leadership with a concentration in project management offers theoretically and skill-driven curriculum to prepare students to be excellent project managers and project management leaders. Students learn to integrate leadership theory and practice in organizational leadership courses. They learn the skills and knowledge that leaders need to lead diverse teams, innovate, solve problems, communicate effectively, assess leadership and organizational effectiveness, manage resources, and use emerging technologies in organizations. Students also acquire the skills necessary to manage complex projects: project leadership, project quality management, project risk management, project schedule management, project cost management and project resource management.

**Additional Program Fee:** N

**Second Language Requirement:** N

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/organizational-leadership-project-management-ba/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGLPMBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students are prepared for a range of positions in the public and private sectors, including in government, information technology, nonprofit agencies, businesses of many kinds, and in the service industry. Students are prepared for jobs as technical project managers, project managers, senior project managers, portfolio or project managers, program managers, directors of project management, project managers: agile, etc. In addition, students may seek advanced study in the form of the Project Management Professional credential, graduate and postbaccalaureate degrees.

According to the U.S. Bureau of Labor Statistics, project manager salaries range anywhere from \$74,000 to \$100,000. The BLS also indicates that the average project manager receives a little more than \$42 per hour in wages.

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## Political Science, BS (LSPOLBS)

**Campus:** Polytechnic

**Program Description:**

The BS in political science gives students the background and skills to gain employment in a relevant profession, to continue their studies in graduate programs in political science or in the social sciences, or to pursue a particular discipline at a professional school. The program helps students understand the assumptions underlying political science and develop the research skills to analyze complex socio-political issues. Those objectives are accomplished by offering a flexible program and by providing students with both individual and group experiences, working with faculty on concrete intellectual and policy issues.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Integrative Social Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=LSPOLBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program serves as good preparation for staff, manager or policy analyst positions in local, state and federal government. This degree is recognized by employers as qualification for many careers in business (for-profit and nonprofit) and industry. Opportunities may include positions that involve binational, crossborder positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border.

Many students use the degree as a gateway to law school or as a basis for further study in such applied fields as:

- community development
- political science
- public administration
- public policy
- social science
- urban affairs
- urban and regional planning

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## Psychology, BA (LSPGSBA)

**Campus:** Polytechnic

**Program Description:**

Psychology is the scientific study of mind and behavior. The BA program in psychology emphasizes critical thinking, empirical research methods and writing. It adds practical experience through internships, service-learning and faculty-supervised research. The Bachelor of Arts provides a broad foundation in psychology and affords students the flexibility to choose from a variety of courses outside the major. The bachelor's degree program prepares students for employment or preparation for graduate study in applied psychology and related fields (e.g., social work, counseling and management).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSPGSBA-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The Bureau of Labor Statistics shows that the job outlook (2016-26) for psychologists is 14% (which is "faster than average").

A degree in psychology prepares students for a career in various settings:

- consulting firms
- government (sales and marketing, human resources, research, administration, management)
- hospitals
- industries and organizations
- mental health agencies
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- health
- physiological
- social

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## **Psychology, BS (LSPGSBS)**

**Campus:** Polytechnic

#### **Program Description:**

Psychology is the scientific study of mind and behavior. The BS program in psychology emphasizes critical thinking, reasoning, quantitative research and scientific writing. The Bachelor of Science prepares students for graduate study in quantitative, experimental, environmental, biological and clinical psychology, as well as related fields (e.g., medicine and behavioral neuroscience). The bachelor's degree program also prepares students for employment in social services, industry and government organizations.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=LSPGSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

The Bureau of Labor Statistics shows that the job outlook (2016-2026) for psychologists is 14 percent, which is much faster than average.

A degree in psychology prepares students for a career in various settings:

- consulting firms
- government (sales and marketing, human resources, research, administration, management)
- hospitals
- industries and organizations
- mental health agencies
- social services (high school psychology teacher, occupational analyst)
- clinical and counseling

The degree program also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

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## **Science, Technology and Society, BS (ECSTSBS)**

**Campus:** Polytechnic

### **Program Description:**

Questions surrounding the interaction of science, technology and human systems are highly transdisciplinary and cultural, requiring analytical techniques that transcend space and time. Thus, the BS program in science, technology and society stresses the need to step outside both disciplinary and cultural boxes in pursuit of knowledge. Accordingly, the program is heavy on cultural and information literacy and critical thinking. The primary goal is to produce generalists who understand the intricate interrelationship of science, technology and society and who are armed with the technical skills to change their environment. The following three tracks are available:

- general science, technology and society
- global technology and development
- science, technology and governance

Students may use the general science, technology and society track to design targeted programs of their choosing, including premed and prelaw.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Integrative Social Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECSTSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in science, technology and society prepares professionals and scholars for careers in the 21st-century world focusing primarily, but not exclusively, on the interaction of science and technology with human systems. The program focuses on the development of the technical skills required to audit social, political and policy impacts of technological advancement and the competence required to navigate questions surrounding the future trajectory of science and technology. Graduates are prepared for graduate or professional study, or professional careers as:

- commercial and industrial designers
- compliance managers
- environmental restoration planners
- public relations specialists
- recycling coordinators
- regulatory affairs specialists
- sales representatives (wholesale, manufacturing, technical, scientific products)
- sustainability specialists
- training and development specialists
- transportation planners
- urban and regional planners

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/program-contacts>  
SANCA 233  
cisa@asu.edu  
480-727-1526

## Technical Communication, BS (LSTECBS)

**Campus:** Polytechnic, Online

### Program Description:

Technical communication is applied workplace communication that makes technical or specialized information understandable and available to many different users. It involves using a range of technologies to craft an ever-expanding array of print and digital information products: websites, social media sites, help files, training materials, grants and proposals, and information graphics, to name just a few. Technical communicators work in many professional roles, such as information developers, grant writers, Web interface designers or usability experts. What all of these roles have in common is the focus on creating accessible and appealing communication that has a practical purpose and is intended for a particular audience. In the technical communication program, students learn how to write, design, produce and manage print and digital information using traditional and developing technologies.

The BS degree program in technical communication in the College of Integrative Sciences and Arts is the only undergraduate technical communication degree program available in the state of Arizona.

Those interested in the technical communication online program may visit the ASU Online website for more information.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-technical-communication/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The Bureau of Labor Statistics estimates that job growth in technical writing and related areas will continue to be significantly higher than average



during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers. Students in the program prepare for careers as:

- communications teachers (postsecondary)
- computer user support specialists
- copy writers
- desktop publishers
- editors
- media and communication workers
- proofreaders and copy markers
- public relations specialists
- technical writers
- Web developers

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/program-contacts>  
SANCA 233  
cisa@asu.edu  
480-727-1526

## Technical Communication (User Experience), BS (LSTECUBS)

**Campus:** Polytechnic, Online

**Program Description:**

The user experience concentration is designed to provide technical communication majors with an interdisciplinary foundation in communication, research and design that is central to the rapidly growing area of user experience. The user experience concentration provides students with a conceptual understanding and applied skills in methods of gathering user information, analyzing data and communicating research findings to stakeholders. Although its disciplinary home and primary focus is technical communication, the concentration includes courses from human systems engineering and graphic information technology in order to provide students with the multiple perspectives and complementary skills needed for user experience work.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/technical-communication-user-experience-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECUBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Technical communicators with expertise in user experience have numerous career opportunities in growth areas such as user experience research, user-centered design, information design, interaction design, information architecture, content strategy and usability analysis.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
[cisa@asu.edu](mailto:cisa@asu.edu)  
480-727-1526

## Interdisciplinary Arts & Sciences, New College of

### Applied Computing, BS (ASACOBS)

**Campus:** West

**Program Description:**

Students in the BS program in applied computing learn a computer science foundation and then explore the established knowledge and emerging developments in the high-demand areas of database systems, computer networks and cybersecurity. The program also provides the opportunity to investigate interdisciplinary connections, including the combination of computing with its real-world application in other disciplines through concurrent degrees and minors. Hands-on class projects, internships, industry partnerships and authentic and impactful research conducted with faculty provide numerous opportunities for students to apply their knowledge before they graduate. Students use their programming expertise, systems knowledge and critical-thinking skills to effectively problem-solve and articulate their experience through presentations, scientific posters and professional papers.

With the depth of knowledge and experience in databases, networks and cybersecurity, graduates have a strong foundation in systems with established interconnections among these fields, preparing them for graduate study and careers that include cybersecurity analysts, database architects and network engineers.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASACOBS-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to integrate technology with human activities, respond to global changes, solve problems and create and manage the technological production of information and creative products. Core information technology industries are among the fastest growing sectors in the U.S. economy. Graduates find employment opportunities with corporations and businesses, nonprofit and government agencies, digital arts media industries and in the academic world.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/applied-computing-degree>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Applied Computing (Cybersecurity), BS (ASACOCBS)

**Campus:** West

**Program Description:**

The cybersecurity concentration is designed to prepare students for a continuing and progressive career in cybersecurity. The innovative cybersecurity concentration builds upon the BS program in applied computing. Students acquire the technical knowledge to secure networks and applications, an understanding of cybersecurity governance models and risk-management fundamentals, methods of communicating complex risk issues, and solutions for the challenges of implementing cybersecurity controls within various organizational models. Leadership, critical thinking and effective communication also are emphasized.

Students gain experience with real-world cybersecurity organizations, protecting digital assets against compromise or theft. Graduates of the applied computing program with a concentration in cybersecurity are well prepared for graduate study as well as entry-level employment with businesses, nonprofits, government agencies and academic institutions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASACOCBS-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This is an ideal degree for students interested in careers in cybersecurity. Opportunities are available both in the private sector and within governmental agencies (e.g., the FBI, Homeland Security, the National Security Agency and the Department of Defense). Cybersecurity-focused positions include:

- chief information security officer
- cyber risk analyst
- information security engineer
- network security engineer
- security operations center analyst

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/applied-computing-cybersecurity>  
FAB N100  
MNSadvising@asu.edu  
602-543-3000

## Applied Mathematics, BS (ASMATBS)

**Campus:** West

**Program Description:**

The School of Mathematical and Natural Sciences offers a BS degree in applied mathematics in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

Applied mathematics is an interdisciplinary program that provides a broad and rigorous foundation in applied mathematics. It includes a foundation in computing and statistics as well as both theoretical and applied mathematics.

The program emphasizes quantitative problem-solving and critical thinking through courses that expose students to a variety of mathematical theories, techniques and applications currently used by analysts and researchers in government, industry and nonprofit organizations.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASMATBS-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for entry-level positions in industry, finance, government, nonprofit organizations and education. They also may pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics and computer science) and their career interests would suggest the appropriate degree tracks and choice of courses, such as:

- applied mathematical networks
- financial mathematics
- general applied mathematics
- mathematical biology
- operations research

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/applied-mathematics-degree>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Applied Science, BAS (ASBASBAS)

**Campus:** West

**Program Description:**

The BAS is for students who have already earned a community college AAS degree. The program allows students to apply the technical knowledge gained from their associate degree and significantly broaden their education through completion of a concentration of their design that expands on the coursework completed in their AAS or by creating a new concentration in a different area of study.

The program includes a unique, personalized area of concentration tailored to the student's individual interests and career goals. The possibilities include but are not limited to applied computing, applied ethics, biology, biomedical research, business, conflict resolution, communication, creative writing, cybersecurity, English, environmental science, film and video studies, forensic psychology, forensic science, interdisciplinary arts and performance, risk communication, peace studies, political science, psychology, Spanish and statistics. The program also includes an internship experience.

Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students who have earned an Associate of Applied Science from an accredited institution may transfer 60 credit hours toward the Bachelor of Applied Science degree.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

**Change of Major Requirements:**

A current ASU student must hold an Associate of Applied Science degree in order to change the major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=ASBASBAS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Because the program allows students to tailor their concentration, graduates are prepared for a wide range of career opportunities as well as graduate programs in law, business, social sciences and education.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/applied-science-degree>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Biology, BA (ASLSCBA)

**Campus:** West

**Program Description:**

The BA program in biology, with an emphasis in the natural sciences, examines the interdisciplinary nature of the life and physical sciences, focusing on the ways in which these disciplines intersect. The program's organization and flexibility allows students to simultaneously study another subject outside their major. Students are encouraged to add a minor or concurrent degree in another subject area.

Students gain hands-on experience as they work both in small groups and one-on-one with individual faculty members. Students may participate in cutting-edge scientific research by assisting in faculty research laboratories or even publish in top journals and present their results at regional and national scientific meetings.

Graduates are prepared for entry-level jobs in research, with nonprofit, education and outreach organizations or for other roles in the life sciences. Graduates are also prepared for related graduate programs.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Social Justice and Human Rights, MA
- Social Technologies, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic

departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students have a wide variety of options, including pursuing graduate studies or seeking careers in areas that include:

- environmental management and conservation
- health professions
- laboratory research
- primary and secondary school teaching
- science advisement to businesses and government
- science writing

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biology-degree-ba>

FAB N100

MNSadvising@asu.edu

602-543-3000

## Biology, BS (ASLSCBS)

**Campus:** West, ASU@Lake Havasu

**Program Description:**

The BS program in biology, with an emphasis in the natural sciences, examines these disciplines through experiential learning, and all of the program's core courses include laboratories. By learning in an integrative environment that emphasizes the connectedness of the life sciences, students gain a better understanding of larger scientific concepts and can view these concepts from multiple perspectives.

Students are encouraged to conduct independent research under the mentorship of faculty members or during internships. Some even publish in top journals and present their results at scientific meetings.

Graduates are prepared for employment with state and federal agencies or private organizations such as biomedical laboratories and environmental consultancies, or to enter graduate or doctoral programs in human or veterinary medicine, pharmacy, dentistry or scientific research.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement: N****First Required Math Course:** MAT 170 - Precalculus**Program Math Intensity:** Moderate**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)International (<https://students.asu.edu/international/future>)Readmission (<https://students.asu.edu/readmission>)**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.**Transfer Options:**ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.**Career Opportunities:**

This program prepares graduates for a wide range of careers by offering course and laboratory work and quantitative research opportunities that develop fundamental problem-solving, critical thinking, writing and communication skills. Graduates may enter careers in:

- business
- laboratory or field research
- medicine
- publishing
- scientific journalism
- teaching

Undergraduate laboratory experience, both on and off campus, enhances employability as a laboratory technician or research associate in university and government research laboratories; in hospital and diagnostic laboratories; and in pharmaceutical, biotechnology, agricultural and food processing companies.

Students engaged in field studies are prepared for entry-level positions in private companies and state and federal agencies (e.g., wildlife biologist, environmental consultant or conservation officer).

**Contact Information:**

Interdisciplinary Arts &amp; Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biology-degree-science>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

**Biology (Environmental Science), BS (ASLSCEBS)****Campus:** West, ASU@Lake Havasu

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The BS program in biology with a concentration in environmental science emphasizes experiential learning with courses that include required laboratories. By learning in an integrative environment that underscores the connectedness of these disciplines, students gain a better understanding of larger scientific concepts and they view these concepts from multiple perspectives. Students pursuing this concentration take a set of courses that focus more on environmental science than those pursuing a Bachelor of Science in biology.



While the emphasis is on science, students learn to approach environmental science from an interdisciplinary perspective, in part by studying environmental ethics and policy.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCEBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

According to the 2010-2011 Occupational Outlook Handbook (U.S. Bureau of Labor Statistics, 2010), employment of environmental scientists is expected to grow by 28 percent between 2008 and 2018. This is far more rapid growth than the average rate of growth for all occupations. The handbook indicates most rapid growth will occur in the private sector, primarily in private environmental consulting firms.

This concentration allows students to tailor their courses of study to their interests in the science of the environment to help prepare them for careers in the public and private sectors (e.g., environmental consulting, environmental remediation, natural resource management) and entry into graduate programs in environmental science and related disciplines.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biology-environmental-science>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Biology (Forensics), BS (ASLSCFBS)

**Campus:** West

ASU is no longer accepting new students to this program. Students interested in this program should apply to the BS in forensic science.

**Program Description:**

The forensics concentration of the BS program in biology emphasizes the study of scientific techniques used to solve crimes. Students pursuing the forensics concentration take a more forensics-relevant set of courses than those students pursuing the BS in biology.

Much of the required coursework is completed in chemistry or biology lab science courses to ensure that graduates of this program are competitive as they apply to graduate degree programs, pursue relevant careers and enter the workforce.

Graduates are prepared to pursue careers in forensics laboratories and in the research and development of new criminal forensic technologies. Completion of the bachelor's degree in biology also ensures graduates are prepared for graduate, professional or medical degree programs.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCFBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of this program pursue careers in forensics laboratories and in the research and development of new technologies in forensics. Graduates are particularly competitive for positions in forensics laboratories because the concentration focuses heavily on chemistry and biology laboratory coursework (areas that administrators and current employees in crime labs have reported are critically important). For example, as reliance upon DNA fingerprinting technologies increases, demand for forensic scientists trained in the requisite amounts of molecular biology will increase. The concentration also places focus on oral communication skills (e.g., through coursework in argumentation, COM 222 Argumentation (3) or COM 422 Advanced Argumentation (3)), which will prepare graduates for the multifaceted aspects of their careers in forensics (e.g., providing articulate and compelling expert testimony in criminal trials). Graduates of this program are also well positioned to enter graduate programs in forensic science.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biology-forensics-degree>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## **Biology (Pharmacology/Toxicology), BS (ASLSCPBS)**

**Campus:** West

#### **Program Description:**

The pharmacology and toxicology concentration of the BS program in biology provides an emphasis in the biochemical, molecular and physiological components of drug and body interactions. The degree program emphasizes experiential learning, and all required core courses have laboratories. By learning in an integrative environment that emphasizes the connectedness of the disciplines, students gain a better understanding of larger scientific concepts and they can view these concepts from multiple perspectives. To have a thorough understanding of the interactions of chemicals in the biological system, students study both biology and chemistry and become familiar with chemical interactions at physiological, molecular and cellular levels. Undergraduates have the opportunity to conduct independent research under the mentorship of faculty members or in internships

outside the school.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCPBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for occupations such as:

- environmental toxicologist
- laboratory researcher
- pharmacist
- physician
- physician's assistant
- veterinarian

Graduates may work in governmental agencies or private companies in areas such as:

- clinical trials
- product safety evaluation
- regulatory affairs
- teaching

Graduates are also prepared for entry-level employment in the growing field of environmental toxicology as well as for graduate or professional programs in pharmacology and toxicology.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biology-pharmacologytoxicology>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

# Biotechnology and Bioenterprise, BS (ASBITEBS)

**Campus:** West

## **Program Description:**

The BS program in biotechnology and bioenterprise provides students with essential transdisciplinary and practical experience in biotechnology research. Students acquire the associated business and entrepreneurship skills needed to develop and market biotechnological innovations and solutions to problems facing the biotechnology and health sciences communities in Arizona, the nation and beyond.

The program emphasizes coursework in the biological, biomolecular and biotechnological sciences, which are key components that underpin biotechnology. Students can tailor the degree to their specific interests and aspirations through focus areas in biotechnology, bioentrepreneurship and biostatistics. The program is unique due to its focus on blending biotechnology and entrepreneurship.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:**

First math varies depending on the focus area chosen.

**Program Math Intensity:** Substantial

## **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

## **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

## **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASBITEBS-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

## **Career Opportunities:**

Graduates of this program are prepared for such careers as:

- bioentrepreneur
- cell biologist
- clinical trials manager
- educator
- laboratory researcher
- microbiologist
- patent agent
- portfolio manager
- project manager
- regulatory affairs manager

## **Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/biotechnology-and-bioenterprise>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Communication, BA (ASCOMMBA)

**Campus:** West, ASU@Lake Havasu

### Program Description:

The BA program in communication offered at ASU's West campus is a broad-based program that trains individuals to speak and write competently, manage relationships well, problem-solve effectively and understand the role and function of communication in public forums, organizational settings, relational exchanges and intercultural situations.

The curriculum provides an extensive understanding of the practical, theoretical and professional nuances of today's field of communication. Utilizing the nationally recognized CommLabASU, students perform in-depth study of what contributes to and detracts from effective human communication, recognizing that the art of communication is far more nuanced than simple speaking and writing prowess.

Students may pursue one or more focus areas to amplify their academic and professional preparation in specific contexts, including public relations, risk and strategic communication; media, culture and social technology; communication training and mentoring; sport communication; and dialogue, relationships and communities.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCOMMBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Arts in communication prepares students for careers in social media and technology, global communication, public relations and strategic communications, risk and crisis communication, communication training, and mentoring, sport communication and communication philosophy. Because communication skills are crucial to many professions, graduates work in a variety of fields, including:

- advertising
- customer service and customer relations
- education
- fundraising
- health and human services
- human resources
- international service
- legal professions
- lobbying
- management
- marketing
- media and public relations
- mediation
- ministry
- public administration
- public advocacy
- public office
- research
- sales
- social media design and implementation
- speech writing
- training and development

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/communication-degree-ba>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

**Communication, BS (ASCOMMBS)**

**Campus:** West, ASU@Lake Havasu

**Program Description:**

The communication program offered at ASU's West campus prepares students to do far more than give a speech or two in front of their peers. It provides an extensive understanding of the practical, theoretical and professional nuances of today's field of communication, designed to equip students with the skills needed to convey complex ideas clearly and effectively through both the spoken and written word.

In utilizing the nationally recognized CommLabASU, this program trains and prepares students for in-depth study into what contributes to and detracts from effective human communication, recognizing that the art of communication is far more nuanced than simple speaking and writing prowess.

Students may pursue one or more focus areas that are designed to amplify their academic and professional preparation in specific contexts, including: public relations, risk and strategic communication; media, culture and social technology; communication training and mentoring; dialogue, relationships and communities; and sport communication.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCOMMBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the communication program are trained in effective communication skills, are able to speak and write well, and can convey complex ideas effectively. They are prepared for employment in communication-intensive fields and for further graduate study. Graduates are prepared to perform various forms of data analysis, communication assessment and technical reporting, and they are prepared for graduate study in the social sciences, law, humanities and management. Graduates work in communications-intensive fields such as:

- advertising
- community education

- corporate communications
- crisis management
- customer service and customer relations
- health communication
- human resources management
- media and public relations
- new media
- social media
- training and development

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
 School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/communication-degree>  
 FAB N100  
 sbsadvising@asu.edu  
 602-543-3000

## Computational Forensics, BS (ASCPFBS)

**Campus:** West

**Program Description:**

The BS in computational forensics is a multidisciplinary degree program that encompasses areas of physical, biological and social sciences, with an additional focus on statistics and computation.

Students investigate specific forensic problems using statistics, computing and mathematics, with the main goal of advancing their forensic science knowledge and capabilities. Students study and develop the quantitative and computational methods that assist basic and applied research efforts in forensic science, establish or prove scientific basis in investigative procedures, and support forensic examiner casework. Through modeling, computer simulations and computer-based analysis and recognition, students gain an in-depth understanding of the forensic science discipline, the scientific method and the systematic approach to forensic science.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Academic Catalog Archive 2019-2020



Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=ASCPFBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The demand for forensic scientists is increasing according to the U.S. Bureau of Labor Statistics. With computation and statistics driving many technological advances, this interdisciplinary degree prepares students for employment in a range of jobs or to continue on to advanced study of quantitative programs in graduate school.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/computational-forensics-degree>  
FAB 100  
MNSadvising@asu.edu  
602-543-3000

## Conflict Resolution, BA (ASCNRBA)

**Campus:** West

**Program Description:**

The BA program in conflict resolution introduces students to theories and practices that enables them to understand, address and transform conflict while dealing with challenges both at the micro and macro levels in such contexts as professional, cross-cultural, individual and collective interactions.

Having engaged with subject areas in political science, communication, ethics, peace studies, history and others, graduates of the program are ready to either pursue further education or careers in many diverse areas.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=ASCNRBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students graduating from the program will have great career prospects in business, education, nongovernmental agencies, health care advocacy, public and government administration, mediation and advocacy.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/conflict-resolution>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Disability Studies, BA (ASDISASBA)

**Campus:** West

**Program Description:**

The BA program in disability studies explores historical, linguistic, social, artistic and legal dimensions of disability with the goal of improving the conditions of people whose lives are touched by disabilities.

With larger numbers of disabled people and disciplines focused on social justice, the new model for disability studies is that of empowerment rather than fixing a deficit. The curriculum combines theory and practice that prepare students to address injustices, exclusions and misapprehensions regarding disabilities through advocacy and self-advocacy, education, knowledge of the law, and historical awareness.

Students in this major develop a professional-level digital portfolio of research in preparation for the job market.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASDISASBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from this program will find career opportunities in many fields, such as social justice, civil service, law, health care advocacy, social work, education, rehabilitative health care, counseling, business, policy and advocacy, government, and with community and non-governmental organizations.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/humanities-arts-cultural-studies-degree-programs/>  
FAB N100  
HArCSadvising@asu.edu

## English, BA (ASENGBA)

**Campus:** West

### **Program Description:**

Students in the BA program in English learn how to write clearly and effectively, to think critically and to construct well-supported arguments.

The program stresses the formal aesthetic qualities of texts and the issues of class, gender, race and ethnicity relating to literary representation. Students gain a familiarity with standard literary-critical terminology and an awareness of various theoretical approaches to literary study. Students also become aware of uses of the English language in the U.S. and around the world.

The program provides students with a balanced overview of major literature in the English language and an awareness of the role of literary discourse in broader social and historical contexts.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENGBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Upon completion, students are prepared for graduate study, for professional training in law, business, teaching and public policy, and for careers in marketing, public relations, government, diplomacy and community work, among others.

### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/english-degree>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

## English (Secondary Education), BA (ASENGSEBA)

**Campus:** West

### Program Description:

This program provides rigorous content in literature, composition, linguistics and secondary teaching, extensively preparing students to meet the needs of all student populations, including attention to levels of student academic performance and cultural and linguistic diversity.

The demand for teachers in Arizona is high. Students complete their teaching internship in school districts in the greater Phoenix area or for one of the 22 Native American nations in Arizona.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENGSEBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of the program earn Arizona Department of Education certification for middle and high school English language arts and are prepared for careers as secondary school teachers.

### Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/history-secondary-education-degree>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

## Environmental Science, BA (ASENVBA)

**Campus:** West, ASU@Lake Havasu

**Program Description:**

The study of society's impact on the earth's ecosystems and resources has become increasingly important over the past 20 years. The BA program in environmental science at ASU's West campus is dedicated to finding solutions to the challenges posed by climate change.

As technology evolves at a dizzying pace and the global population grows each year, the measurement of the human race's impact on our environment has created many new jobs and career paths. Environmental basics are required, ensuring that students are well-versed in biological study including molecular, organismal and ecosystem biology. This is backed by a strong foundation in chemistry, statistics and geographic information systems.

Because environmental science is a versatile and multifaceted field, ASU supplements this degree with a focus on the management and communication skills necessary in various environmentally-specific careers.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Environmental and Resource Management (Water Management), MS
- Environmental and Resource Management, MS
- Social Justice and Human Rights, MA
- Social Technologies, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENVBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities for graduates of this program include employment in environmental policy, management or leadership positions in federal and state agencies, local municipality planning offices, private consulting firms, and nongovernmental and nonprofit organizations. Graduates of the program are also well qualified to pursue graduate studies in relevant areas of the natural sciences.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/environmental-science>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Environmental Science, BS (ASENVBS)

**Campus:** West, ASU@Lake Havasu

### Program Description:

The study of society's impact on the earth's ecosystems and resources has become increasingly important during the past 20 years. The BS program in environmental science at ASU's West campus is dedicated to finding solutions to the challenges posed by climate change.

As technology evolves at a dizzying pace and the global population grows each year, the measurement of the human race's impact on the environment has created many new jobs and career paths. Environmental basics are required, ensuring that students are well-versed in biological study including molecular, organismal and ecosystem biology. This is backed by a strong foundation in chemistry, statistics and geographic information systems.

Because environmental science is a versatile and multi-faceted field, ASU supplements this degree with a focus on the management and communication skills necessary in various environmentally-specific careers.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Environmental and Resource Management (Water Management), MS

Environmental and Resource Management, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENVBS-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Career opportunities for graduates of this program include employment in federal and state agencies (such as the U.S. Bureau of Land Management, U.S. Environmental Protection Agency, U.S. Forest Service, etc.), private consulting firms and nongovernmental and nonprofit organizations. Graduates of the program are also well-qualified to pursue graduate studies in relevant areas of the natural sciences.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/environmental-science-degree>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Exploratory Applied Computing, Mathematics and Technology, (ASACMTEXPL)

**Campus:** West

**Program Description:**

The exploratory applied computing, mathematics and technology track provides students with the opportunity to explore a variety of majors related to applied computing, mathematics and technology professions.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide students an opportunity to discover the options available at ASU, and they are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASACMTEXPL~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/programs/exploratory-applied-computing-mathematics-and-technology>  
FAB N100

mnsadvising@asu.edu  
602-543-3000

## Exploratory Health and Life Sciences, (ASHSCIEXPL)

**Campus:** West

### Program Description:

The exploratory health and life sciences track provides students with the academic opportunities and resources needed to explore a variety of majors related to health and life science professions.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide students an opportunity to discover the options available at ASU, and they are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHSCIEXPL-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Career opportunities are specific to the ultimate major of choice.

### Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/programs/exploratory-health-and-life-sciences>

FAB N100

mnsadvising@asu.edu

602-543-3000

## Exploratory Humanities, Fine Arts and Design, (ASHUFAEXPL)

**Campus:** West

### Program Description:

The exploratory humanities, fine arts and design track provides students with the academic opportunities to explore a variety of majors related to humanities, fine arts and design professions.



Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide students an opportunity to discover the options available at ASU, and they are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** N

**Second Language Requirement:** N

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 credit hours while they are an exploratory student.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHUFAEXPL~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/programs/exploratory-humanities-fine-arts-and-design>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

## Exploratory Social and Behavioral Sciences, (ASSBSEXPL)

**Campus:** West

**Program Description:**

The exploratory social and behavioral sciences program provides students with the academic opportunities and resources needed to explore a variety of majors related to careers in the social sciences.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide an opportunity to discover the options available at ASU and students are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** N

**Second Language Requirement:** N

**Program Math Intensity:** General

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Change of Major Requirements:

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSBSEXPL~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Career opportunities are specific to the ultimate major of choice.

#### Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/programs/exploratory-social-and-behavioral-sciences>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## Forensic Science, BS (ASFOREBS)

**Campus:** West

#### Program Description:

Forensic science is the study and application of scientific methods to matters of law. The BS program in forensic science emphasizes laboratory coursework in chemistry and biology as both areas provide essential experience with techniques commonly used in crime labs. Rigorous coursework in the natural and mathematical sciences is required to ensure graduates are competitive in the workforce. The program is enhanced by a focus on oral communication skills that help prepare graduates for the multifaceted, transdisciplinary aspects of careers in forensic science, such as providing articulate expert witness testimony.

If a student is interested in pursuing a career as a forensic DNA analyst, nine cumulative hours of coursework in biochemistry, molecular biology and genetics are required, and coursework in population genetics is desirable. Students should note that the addition of these courses to the academic program may mean the student would have more than 120 credit hours. Employers may require documentation for completed coursework, such as an official course syllabus.

Forensic science students may apply for and participate in internships sponsored by metropolitan Phoenix area crime labs or other crime labs around the country. Internships are competitive, and the application process takes time. Generally, fall semester internships require application in the spring semester prior, and spring or summer semester internships require application by the start of the preceding fall semester. Internship positions are unpaid and require concurrent enrollment in FOR 484 Internship. Also, students must have a faculty mentor and abide by all internship standards of the school and those of the organization providing the internship. Students may also participate in cutting-edge research with a faculty mentor either as a volunteer in the faculty member's lab or by registering for FOR 499 Individualized Instruction. For more information, students should see an academic advisor.

Job applicants and students seeking a volunteer or internship position within a crime lab are required to undergo an extensive background check that includes a polygraph exam, fingerprinting and drug testing. Actions that can disqualify an applicant include recent or past illicit drug use (including marijuana), felony convictions and drunk driving convictions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=ASFOREBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Scientific and technological advances in the field of forensic science, as well as continually increasing caseloads in law enforcement, are projected to increase the number of forensic science technicians needed over the next decade. The U.S. Bureau of Labor Statistics estimates that between 2016 and 2026, employment of forensic science technicians will increase 17 percent, an average increase much greater than most occupations.

Forensic science program graduates are prepared to enter the workforce with crime labs and private forensic science labs at the local, state and federal levels. Graduates also are prepared for graduate programs in forensic science, law school, medical school and related fields.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/forensics-science-degree>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## History, BA (ASHISBA)

**Campus:** West

**Program Description:**

The BA degree program in history introduces students to a broad span of history that covers the ancient world through the modern period and extends from Europe to Latin America and the United States. In addition to learning about the origins and development of various peoples, ideas and institutions of the past, students engage in the practice of history by learning to conduct research, analyze historical evidence and formulate arguments using historiographical perspectives and methodological approaches.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Interdisciplinary Studies, MA
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHISBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared for graduate study, for professional degree programs and for careers in which critical thinking, research and writing skills are highly valued, such as journalism, editing, law and civil service.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/history-studies-degree>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## History (Secondary Education), BA (ASHISSEBA)

**Campus:** West

**Program Description:**

For students considering a career in education, the flexible BA program in history with a concentration in secondary education fully prepares students for teaching and certification while providing all the disciplinary knowledge of a traditional history degree. Students understand history in all its breadth and depth while developing strong critical reading, writing and research skills as well as skills in oral presentation.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHISSEBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates possess the strong, practical teaching tools necessary to successfully teach middle or high school students. With the ability to find and evaluate evidence, form arguments and present analysis, graduates are well-suited for careers in a wide range of industries and fields of work, and they have a solid foundation for graduate work in teaching, law, business and many other fields.

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/history-secondary-education-degree>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

## **Interdisciplinary Arts and Performance, BA (ASIAPBA)**

**Campus:** West

#### **Program Description:**

Students in the BA program in interdisciplinary arts and performance engage with faculty in collaborative investigation of many disciplines preparing for the complex and changing world through current approaches to artistic and aesthetic research.

Students in this major engage in practical and theoretical studies of visual, sonic, performance, game and interactive arts to become versatile artists. With skill sets preparing them for professional and entrepreneurial opportunities, they can tap into evolving marketplaces and expanding fields of arts research and practice.

Students who major in interdisciplinary arts and performance receive extensive preparation for careers as artists, performers and creative professionals, and they develop critical backgrounds useful for teaching and scholarship.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASIAPBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Since 1992, graduates of this nationally recognized program have been prepared for advanced study in the performing arts, visual arts, interactive arts or arts-related professions in digital design, film editing, set and lighting design, theatre, sound arts, toy development, board game development and video game development.

Interdisciplinary arts and performance graduates have gone on to careers such as visual artist, art administrator, art therapist, digital designer, film and video editor, arts writer and critic, composer, theatre artist, illustrator, set and lighting designer, performing artist, sound artist, recording artist and studio professional, videographer, game tester, board game developer and video game designer.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/interdisciplinary-arts-and-performance-degree>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

## Interdisciplinary Arts and Sciences, BA (ASIASBA)

**Campus:** West

**Program Description:**

Today's employment landscape is evolving into one that prizes expertise in an increasing number of specialized fields. The BA program in interdisciplinary arts and sciences at ASU's West campus allows students to build a flexible, customized degree that is unique to their specific career goals. For example, a business degree with an emphasis in communications can lead to employment opportunities that aren't as easily accessed by a traditional business degree alone.

By providing the opportunity to combine disciplines, the college equips students with the specialized education they need to reach their individual career goals.

This degree program culminates in a capstone internship experience that provides real-world perspective, skills and connections, creating versatile graduates and attractive job applicants in the corporate world.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASIASBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Emphasizing interdisciplinary study combined with a specific area of concentration (e.g., business, communication studies, English, gerontology, history, psychology or preprofessional studies), students tailor their programs to meet individualized career goals. The capstone internship program prepares students to make the transition smoothly to graduate school or postbaccalaureate employment in:

- business settings
- community settings
- cultural settings
- educational settings
- social sciences and human service settings

Students planning graduate or professional degrees in law, business, helping professions or in traditional disciplines benefit from the flexibility of this program for a broad range of future academic and career pursuits.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/interdisciplinary-arts-and-sciences-degree>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

## Latin American Studies, BA (ASLASBA)

**Campus:** West

**Program Description:**

The BA program in Latin American studies offers a learner-driven model in which the student's specific interests are deepened through the study of Latin America culture, history, politics and the Spanish language. It is interdisciplinary and allows for flexibility in course selection while also instilling a breadth and depth of knowledge about issues surrounding Latin America. This dual-language degree program encourages cross-cultural exploration, preparing students for a global-minded career path.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLASBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for further study in graduate or professional schools and in dual-language environments, including:

- arts and arts administration
- business and finance
- counseling
- diplomacy
- education
- health care
- journalism
- law enforcement
- library Science
- ministry
- nonprofit organizations and advocacy
- science
- social sciences
- sports



- technology

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/latin-american-studies-degree>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Pharmacology and Toxicology, BS (ASPTXBS)

**Campus:** West

**Program Description:**

The human body comes into contact with countless chemicals and drugs during the course of a lifetime. The study of how these foreign materials react with our bodies has been an intense and enduring venture that has yielded astounding breakthroughs and contributions to the medical community.

The West campus of Arizona State University is proud to be part of that venture, offering the BS program in pharmacology and toxicology. To have a thorough understanding of the interactions of chemicals in the biological system, students in the program study both biology and chemistry, and become familiar with chemical interactions at physiological, molecular and cellular levels.

With a heavy focus on experiential learning within the laboratory, graduates of the pharmacology and toxicology degree program are better prepared to obtain careers ranging from clinical research coordinators to veterinarians to even governmental roles.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPTXBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The pharmacology and toxicology degree program prepares students for a number of career paths including:

- laboratory researcher
- pharmacist

- physician
- physician's assistant
- veterinarian

Graduates also may work at governmental agencies or at private companies in areas such as:

- Arizona Department of Environmental Quality
- city government
- clinical trials
- Department of Transportation
- Environmental Protection Agency
- product safety evaluation
- regulatory affairs
- teaching

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
 School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/pharmacology-and-toxicology>  
 FAB N100  
 mnsadvising@asu.edu  
 602-543-3000

## Philosophy, Religion and Society, BA (ASRELBA)

**Campus:** West

**Program Description:**

The School of Humanities, Arts and Cultural Studies offers a BA in philosophy, religion and society in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

The program comprises historical, theoretical and practical perspectives on philosophy, religion and social ethics and emphasizes social and political concerns by putting the studies of philosophy and religion into action. This interdisciplinary degree program offers three areas of concentration: applied ethics, continental philosophy and religious studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Interdisciplinary Studies, MA
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=ASRELBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for graduate study or employment in the fields explored through their required internships, including business, criminal justice, education, government, human resources, law enforcement, law, media, medicine, religious organizations and social services.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/philosophy-religion-and-society-degree>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Political Science, BA (ASPOLBA)

**Campus:** West, ASU@Lake Havasu

**Program Description:**

Political science is the study of governmental practices, politics and theories. Coursework in the BA program in political science covers American institutions, international relations, political theory and world affairs.

The program helps students gain a basic understanding of the assumptions underlying political science and helps them develop the necessary research skills for analyzing complex sociopolitical issues. In addition to coursework, students learn through internships, service-learning and research opportunities.

Graduates of this program are prepared for work as analysts or aides in local, state or national legislative offices, among other roles. Many graduates go on to law school or graduate programs in political science, social science, urban planning or public administration.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPOLBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in:

- political science
- professional schools
- social science disciplines
- urban planning

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry.

Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border. Many students use the degree as a gateway to law school or as basis for further study in such applied fields as:

- community development
- public administration
- public policy
- urban affairs and urban and regional planning

### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/political-science-degree-ba>  
FAB N100  
[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)  
602-543-3000

## **Political Science, BS (ASPOLBS)**

**Campus:** West

### **Program Description:**

The School of Social and Behavioral Sciences offers a BS in political science in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

Political science is the study of governmental practices, politics and theories. Coursework in the political science program covers American institutions, international relations, political theory and world affairs. The program helps students gain a basic understanding of the assumptions

underlying political science and develop the necessary research skills for analyzing complex sociopolitical issues. In addition to coursework, students learn through internships, service-learning and research opportunities. The Bachelor of Science differs from the BA degree program in that it requires an additional statistics course and a methods course.

Graduates of this program are prepared for work as analysts or aides in local, state or national legislative offices, among other roles. Many graduates go on to law school or graduate programs in political science, social science, urban planning or public administration.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPOLBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in:

- political science
- professional schools
- social science disciplines
- urban planning

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal governments. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions

linking U.S. and Mexican businesses, Arizona-Sonora local governments or local community groups on both sides of the border. Many students use the degree as a gateway to law school or basis for further study in such applied fields as:

- community development
- public administration
- public policy
- urban affairs
- urban and regional planning

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/political-science-degree-bs>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Psychology, BA (ASPGSBA)

**Campus:** West, ASU@Lake Havasu, Online

**Program Description:**

Psychology is the scientific study of human behavior. This diverse field includes mental health and counseling as well as child development, neuroscience and brain function, memory and decision-making, behavior analysis, statistics and more. It also crosses over into other disciplines such as medicine, law, business and economics.

This BA program in psychology --- which emphasizes critical thinking and reasoning, quantitative research methods and writing --- goes beyond the classroom, adding practical experiences through internships, service-learning and faculty-supervised research. (Some opportunities are not available to students enrolled in the degree offered through ASU Online.)

Graduates are prepared for graduate programs in psychology or other areas as well as professional employment.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-psychology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A degree in psychology prepares students for a career in:

- government (sales and marketing, human resources management)
- industry
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- health
- legal
- physiological
- social

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences

<https://newcollege.asu.edu/psychology-degree-ba>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Psychology, BS (ASPGSBS)

**Campus:** West, ASU@Lake Havasu, Online

### Program Description:

Psychology is the scientific study of human behavior. This diverse field includes mental health and counseling as well as child development, neuroscience and brain function, memory and decision-making, behavior analysis, statistics and crosses into other disciplines such as medicine, law, business and economics.

Emphasizing critical thinking and reasoning, and quantitative research methods and writing, this BS program in psychology goes beyond the classroom with practical experiences through internships, service-learning and faculty-supervised research. (Some opportunities are not available to students enrolled in the degree offered through ASU Online.)

The Bachelor of Science degree differs from the BA in that it requires two additional lab courses and advanced statistical training, providing a greater depth of knowledge in the biological and neuroscientific aspects of psychology that are increasingly important both for research and for clinical practice. The advanced statistical training further prepares students for careers and graduate training involving psychological research, clinical research and legal policy research.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-psychology/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSBS-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.



ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Students are prepared for careers in:

- government (sales and marketing, human resources management)
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/psychology-degree>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## **Psychology (Forensic Psychology), BA (ASPGSFPBA)**

**Campus:** West, Online

#### **Program Description:**

Forensic psychology is the application of psychology to the law. The concentration in forensic psychology within the BA program in psychology combines general training in psychology with specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders, and legal decision-making.

When courts are faced with cases in which a psychology-related question arises, they may turn to psychologists and ask for help with the case. For example, psychologists might assist the court in understanding a criminal's mental state at the time of a crime or whether a particular jury might have been biased against a defendant based on his or her race. This is the realm of forensic psychology.

This program teaches students about the various roles for psychologists in the legal system and helps them discover which roles they might like to pursue through careers in mental health, criminal justice or through graduate training.

The BS degree differs from the Bachelor of Arts in that it requires two additional lab science courses.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-psychology-forensic-psychology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSFPBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Arts program in psychology with a concentration in forensic psychology prepares students for careers in the criminal justice and mental health fields. Many careers in psychology require graduate training, and this program is also designed to prepare students for master's degree and doctoral programs in legal, clinical and forensic psychology.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/forensic-psychology-ba>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## Psychology (Forensic Psychology), BS (ASPGSFPBS)

**Campus:** West, Online

**Program Description:**

Forensic psychology is the application of psychology to the law. The concentration in forensic psychology within the BS program in psychology combines general training in psychology with specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders and legal decision-making.

When courts are faced with cases in which a psychology-related question arises, they may turn to psychologists and ask for help with the case. For example, psychologists might assist the court in understanding a criminal's mental state at the time of a crime or whether a particular jury might have been biased against a defendant based on his or her race. This is the realm of forensic psychology.

This program teaches students about the various roles for psychologists in the legal system and helps them discover which roles they might like to pursue through careers in mental health, criminal justice or through graduate training.

The Bachelor of Science differs from the BA degree in that it requires two additional lab courses and advanced statistical training. The Bachelor of Science degree program provides a greater depth of knowledge in the biological and neuroscientific aspects of psychology that are becoming

increasingly important both for research and clinical forensic practice. In addition, the advanced statistical training further prepares students for careers and graduate training involving psychological research, clinical research and legal policy research.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-psychology-forensic-psychology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSFPBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Science degree program in psychology with a concentration in forensic psychology prepares students for careers in the criminal justice and mental health fields. Many careers in psychology require graduate training, and this program also is designed to prepare students for master's degree and doctoral programs in legal, clinical and forensic psychology.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/forensic-psychology-bs>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## Social Justice and Human Rights, BA (ASJHRBA)

**Campus:** West

**Program Description:**

The BA program in social justice and human rights spans the social sciences and the humanities to prepare students to meet the challenges of 21st-century issues of social justice and protection of human rights in local, national, international and global contexts. The degree program introduces students to principles and practices of everyday humanitarianism, multimedia advocacy and theories and practices of social justice and human rights.

Students in the program have the opportunity to select from three uniquely theoretical and applied areas of focus, including:

- advocacy and social change
- critical trauma studies and everyday humanitarianism
- materialism, intersectionality and inequality

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASJHRBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students with this degree are employable in a variety of settings, including refugee resettlement agencies; agencies and shelters supporting survivors of domestic abuse; shelters for migrants, especially for unaccompanied minors; disaster relief agencies; organizations assisting survivors of sex trafficking and human labor trafficking; and agencies assisting veterans and others suffering from post-traumatic stress. Career opportunities include:

- charitable fundraiser (e.g., Nina M. Pulliam Charitable Trust staff)
- ethnic studies professor
- grant writer
- humanitarian aid worker (e.g., UNHCR aid worker, Oxfam aid worker)
- international governmental organization professional (e.g., United Nations staff)
- justice studies professor
- nongovernmental organization professional (e.g., International Rescue Committee professional)
- nonprofit agency manager (e.g., Special Olympics Arizona, international manager)

- women and gender studies professor

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-justice-and-human-rights>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Social and Behavioral Sciences, BA (ASSBSBA)

**Campus:** West

**Program Description:**

The curriculum of the BA program in social and behavioral sciences provides an understanding of assumptions underlying the social and behavioral sciences, develops students' research skills for analysis of complex social issues, offers a flexible program tailored to the career goals of the individual student, and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students with a background suitable to helping them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., family, community, society and culture).

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

Students who select the individual and behavior theme area need to have completed MAT 170 in order to meet the prerequisite requirements of courses in that area.

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSBSBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The interdisciplinary degree is an excellent option that matches the individual's interests and fulfills many employers' expectations of a bachelor's degree, namely that it should expose the student to a variety of outlooks and challenges.

Such a degree is competitive in most situations in which the disciplinary social and behavioral degrees are accepted, and it is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

This degree provides a solid background in social sciences and methodologies that prepares students for graduate work in community development, counseling, criminal justice, professional schools (e.g., law, public administration, social work), public policy, social science disciplines and urban studies or planning.

Other careers include:

- border patrol officer
- community developer
- customer services manager
- housing specialist
- human Relations Officer
- immigration advocate
- lawyer
- lobbyist
- mediator
- nonprofit manager
- social sciences professor
- social services case worker
- statistical analyst
- urban planner
- victim's advocate

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-and-behavioral-sciences-degree-ba>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

**Social and Behavioral Sciences, BS (ASSBSBS)**

**Campus:** West

**Program Description:**

The curriculum of the BS program in social and behavioral sciences provides an understanding of assumptions underlying the social and behavioral sciences, enables students to develop research skills necessary for analysis of complex social issues, offers a flexible program tailored to the

career goals of the individual student, and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students a background suitable to help them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., community, culture, family and society). The Bachelor of Science differs from the BA degree in that this degree program has a stronger focus on the use of statistics.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSBSBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The interdisciplinary degree is an excellent option that matches the individual's interests and fulfills many employers' expectations of a bachelor's degree, namely that it should expose the student to a variety of outlooks and challenges.

Such a degree is competitive in most situations in which the disciplinary social and behavioral degrees are accepted, and it is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

The degree also provides a solid background in social sciences and methodologies that prepares students for graduate work in community development, counseling, criminal justice, professional schools (e.g., law, public administration, social work), public policy, social science disciplines, and urban studies or planning.

Possible careers include:

- border patrol officer

- community developer
- customer services manager
- housing specialist
- human relations officer
- immigration advocate
- lawyer
- lobbyist
- mediator
- nonprofit manager
- social sciences professor
- social services case worker
- statistical analyst
- urban planner
- victim's advocate

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
 School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-and-behavioral-sciences-degree>  
 FAB N100  
 sbsadvising@asu.edu  
 602-543-3000

## Social and Cultural Analysis (American Studies), BA (ASSCAASBA)

**Campus:** West

**Program Description:**

The BA program in social and cultural analysis with a concentration in American studies engages in the transdisciplinary and comparative study of the United States as a cultural and political site of ongoing change and conflict.

Students learn diverse methods of analyzing nationalist politics, public and private cultural practices, transnationalism, and the nation-making processes of migration, in keeping with the creative and critical scholarship of the discipline. The curriculum also brings attention to identity formations around gender, sexuality, race and ethnicity.

As a transdisciplinary field, American studies unites the social sciences, the humanities and the arts to stimulate students into engaging in rigorous and adventurous conversations about American culture, politics and history. Students explore knowledge beyond disciplinary boundaries by bringing differing perspectives and understandings into dialogue with one another and generating a unique level of intellectual rigor and excitement.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**



This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAASBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations.

Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

#### **Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/social-and-cultural-analysis-american-studies>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

## **Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA (ASSCAERBA)**

**Campus:** West

#### **Program Description:**

The BA program in social and cultural analysis with a concentration in ethnicity, race and indigenous studies combines transdisciplinary topics and

methods to critically analyze relationships among individuals, groups, institutions, governments, economies and environments.

The program enriches the study of individual racialized and indigenous groups by drawing upon theories, methods and pedagogies in ethnicity, race and indigenous studies while engaging complementary fields of literature, history, sociology, oral history, sexuality, queer studies, social justice and transnational and cultural studies. Coursework grounds the students in a deep understanding of the particular historical, social, economic, cultural and political experiences of individual racialized groups as well as in an analysis of the relationships among them.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAERBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations.

Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- the Peace Corps
- political action groups

- public relation firms
- research organizations
- social service agencies

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
 School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/social-and-cultural-analysis-ethnicity-race-and-indigenous-studies>  
 FAB N100  
 harcsadvising@asu.edu  
 602-543-3000

## Social and Cultural Analysis (Latin American Studies), BA (ASSCALABA)

**Campus:** West

**Program Description:**

The BA in social and cultural analysis with a concentration in Latin American studies provides a broad and vibrant framework for studying the diverse societies of Latin America, including diasporic communities, and it presents rich opportunities for cross-cultural study. The program is designed to provide a transdisciplinary approach to the literature, film, history, politics and culture of both Latin America and Latinas and Latinos living in the United States.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCALABA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in public service,

education, business, humanitarian work, law or health care.

Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates are able to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/social-and-cultural-analysis-latin-american-studies>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Social and Cultural Analysis (Peace Studies), BA (ASSCAPSBA)

**Campus:** West

**Program Description:**

The BA in social and cultural analysis with a concentration in peace studies is a unique, transdisciplinary offering that fosters a critical investigation of peace. It does so primarily through a humanities lens, but not exclusively, and it provides an analysis of peace in connection with issues such as gender, ethnicity, race and religion.

Students learn many perspectives on peace and approaches to it, including theories and practices of peace-building, nonviolence, and conflict avoidance and resolution. The program builds on the expertise of faculty in the humanities and social sciences in fields such as history, linguistics, literature, ethics, philosophy, sociology, ethnic studies and women and gender studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=ASSCAPSBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a growing concern for peace building within social and political institutions. As a consequence, numerous jobs now exist in peace-related sectors. Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations. Knowledge gained can be applied toward professional and personal advancement in education, writing, policy, law, cross-cultural communication, ethics and work with nongovernmental organizations.

Due to the emphasis on the social aspects of peace, diversity and identity, students develop an awareness of the needs of diverse populations and the discourses that help create a culture of peace, enabling them as graduates to apply their knowledge to areas as diverse as the following:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/social-and-cultural-analysis-peace-studies>  
FAB N100  
harcadvising@asu.edu  
602-543-3000

## Social and Cultural Analysis (Queer and Sexuality Studies), BA (ASSCAQSBA)

**Campus:** West

**Program Description:**

The BA program in social and cultural analysis with a concentration in queer and sexuality studies combines transdisciplinary topics and methods to critically analyze the function of ideologies of sexuality, the history and present conditions of sexual identity formation, structural inequalities and queer resistance to those same inequalities, and the diversity of LGBTQA communities.

Drawing from the premise that sex, gender and sexual orientation are both private experiences as well as profoundly political and public issues with important legal, social and cultural implications, the intellectual core of this program draws from theories, methods and pedagogies in queer theory and sexuality studies while engaging complementary fields of social justice, cultural studies, women's studies, gender studies, literature, history, sociology, psychology and transnational studies. Areas of emphasis include sexuality in culture, transnational queer studies, queer social movements and resistance, sexual fluidity, trans studies and critical heterosexualities.

select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAQSBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations.

Due to the emphasis on culture and identity, students develop respect for and sensitivity to, diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/social-and-cultural-analysis-queer-and-sexuality-studies>

FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Social and Cultural Analysis (Women and Gender Studies), BA (ASSCAWSBA)

**Campus:** West

### Program Description:

The BA in social and cultural analysis with a concentration in women and gender studies offers students a transdisciplinary curriculum that focuses on the diverse experiences of women in both national and international contexts. The program also examines the meaning of gender as a socially constructed category that shapes personal identities, beliefs, opportunities and behaviors.

The wide range of classes explores the intersections of gender, race, class and sexuality; the institutional structures that have an impact on women's and men's lives; and the broad range of feminist theories that seek to explain and influence women's status in society. Areas of emphasis include gender and sexuality, critical race feminisms, gender and the borderlands, transnational feminisms, social activism and social movements, histories of feminism and critical embodiment studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAWSBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as careers in government, education, business and nonprofit organizations.

Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
 School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/social-and-cultural-analysis-women-and-gender-studies>  
 FAB N100  
 harcsadvising@asu.edu  
 602-543-3000

**Sociology, BA (ASSOCBA)**

**Campus:** West, ASU@Lake Havasu

**Program Description:**

Sociology is the study of the organization and development of societies and the institutions within them. The sociology program helps students better understand the development, structure, interaction and collective behavior of organized groups. The program explores the theories, practices and policies underlying the issues of social change, inequality and diversity. This BA program in sociology provides training in important research skills used to describe, interpret and evaluate evidence across diverse settings important in the economy.

This is a flexible program that provides opportunities for students to work collaboratively with faculty on intellectual and policy issues and helps them develop the research skills necessary for the analysis of complex social issues. The BS degree differs from the Bachelor of Arts in that it requires an additional methods course.

Graduates are prepared for employment in corporate or governmental organizations or to continue their studies in graduate programs in sociology, social science or professional schools.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Interdisciplinary Studies, MA
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)



Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSOCBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates apply the sociological perspective to a wide variety of jobs in:

- business and management
- government
- social services
- the criminal justice system
- the health professions

Coursework in sociology provides a valuable preparation for careers in:

- journalism
- law
- nonprofit sector
- politics
- public administration
- public relations

These are all fields that involve investigative skills and an ability to work with diverse groups. Graduates with an advanced degree in sociology may become:

- community activists
- community developers
- criminologists
- demographers
- gerontologists
- organizational advocate

- research analysts
- statisticians
- survey researchers
- urban planners

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
 School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/sociology-degree-ba>  
 FAB N100  
 sbsadvising@asu.edu  
 602-543-3000

**Sociology, BS (ASSOCBS)**

**Campus:** West

**Program Description:**

Sociology is the study of the organization and development of societies and the institutions within them. The sociology program helps students better understand the development, structure, interaction and collective behavior of organized groups. The program explores the theories, practices and policies underlying the issues of social change, inequality and diversity. This BS degree program in sociology provides training in important research skills used to describe, interpret and evaluate evidence across diverse settings important in the economy.

This is a flexible program that provides opportunities for students to work collaboratively with faculty on intellectual and policy issues and helps them develop the research skills necessary for the analysis of complex social issues. The Bachelor of Science differs from the BA degree in that it requires an additional methods course.

Graduates are prepared for employment in corporate or governmental organizations or to continue their studies in graduate programs in sociology, social science or professional schools.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Interdisciplinary Studies, MA
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=ASSOCBS-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates apply the sociological perspective to a wide variety of jobs in:

- business and management
- government
- social services
- the criminal justice system
- the health professions
- the nonprofit sector

Graduates receive valuable preparation for careers in:

- journalism
- politics
- public administration
- public relations

These are all fields that involve investigative skills and an ability to work with diverse groups. Graduates with an advanced degree in sociology may become:

- community activists
- community developers
- criminologists
- demographers
- gerontologists
- organizational advocates
- research analysts
- statisticians
- survey researchers
- urban planners

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/sociology-degree>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Spanish, BA (ASSPABA)

**Campus:** West

**Program Description:**

The BA program in Spanish addresses language and examines the cultural production of Spanish-speaking communities, in Spanish.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSPABA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Spanish program offers excellent preparation for graduate school or for employment as a teacher in the elementary or secondary school system, especially in those districts where bilingual programs are integral to the curricula. Outside the education system, students majoring in Spanish find employment as translators and interpreters in:

- diplomatic corps
- federal and state courts
- law enforcement agencies
- law firms
- social agencies

The business world also provides employment for those fluent in Spanish. This is especially true in the American Southwest, with its proximity to Mexico and through outlets opened by multi-national trade agreements.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/spanish-degree>  
FAB N100  
harcсадvising@asu.edu  
602-543-3000

## Statistics, BS (ASSTABS)

**Campus:** West

**Program Description:**

Almost every industry in the modern economy relies on the collection and analysis of data. The statistics program offered at ASU's West campus prepares students to meet the demands of the ever-growing data analysis field and is a launching pad for a statistics-driven career.

Through innovative research opportunities and internships with Phoenix-area corporations, including PING, students build a solid foundation of mathematics and computing, helping them grasp a thorough understanding of both theoretical and practical statistics. This prepares students for careers in finance, pharmaceuticals, medicine and manufacturing.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSTABS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

In the era of big data, there is great demand for individuals with all levels of statistical training. Graduates of this program have an understanding of the transdisciplinary nature of statistics and are prepared for graduate study in statistics and related areas or for entry-level positions in a variety of fields, including business, government and the natural and social sciences.

Statisticians are in high demand in many areas of industry, government and academia. Some areas with particularly high demand include:

- finance
- manufacturing
- medical

- pharmaceutical

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/statistics-degree>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Women and Gender Studies, BS (ASWSTBS)

**Campus:** West

**Program Description:**

This interdisciplinary BS program in women and gender studies has a qualitative emphasis, and explores intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

Consistent with the university's design imperatives of social embeddedness and use-inspired research, the program's course offerings, research initiatives and co-curricular programs further the understanding of women and gender, and promote social justice. Students gain a solid knowledge base and educational foundation as well as the critical-thinking skills necessary for dealing with changing gender roles in society.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASWSTBS-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for further study in graduate or professional programs as well as for careers in a variety of settings, including health care services, human resources development, public and business administration and social services.

**Contact Information:**

Interdisciplinary Arts & Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/women-and-gender-studies>  
FAB N100  
harcсадvising@asu.edu  
602-543-3000

## Journalism & Mass Communication, Walter Cronkite School of

### Digital Audiences, BS (CSDIGABS)

**Campus:** Online

**Program Description:**

In an increasingly digital world, virtually all companies and organizations are looking for professionals who know how to grow and engage audiences online. The BS program in digital audiences prepares students to reach audiences strategically with digital content and to demonstrate measurable growth.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/digital-audiences-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSDIGABS~null + &college=CCS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Professionals with expertise in content strategy for digital audiences are in high demand across sectors and industries. Among the many career opportunities available are positions such as public relations specialists, news content promoters, political campaign strategists, community organizers and corporate branding specialists.

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
<https://cronkite.asu.edu/node/5529>  
CRONK 222  
cronkiteadvising@asu.edu  
602-496-5055

## Journalism and Mass Communication, BA (CSJMCBA)

**Campus:** Downtown Phoenix

### Program Description:

The BA in journalism and mass communication at ASU's Walter Cronkite School of Journalism and Mass Communication, widely regarded as one of the nation's premier journalism schools, is a highly professional, hands-on degree program that prepares students for careers in media and communications.

Undergraduate students learn the values and principles that have long formed the core of the journalism profession and they master the highly specialized, practical skills needed to succeed in today's digital world.

High-performing students can apply to the school's accelerated bachelor's degree and master's degree program, which allow for the completion of both degrees in five years. They also can become part of ASU's Barrett, The Honors College.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics  
or any MAT course that satisfies the math requirement

**Program Math Intensity:** General

### Concurrent Degrees:

This degree is also offered as concurrent degree program with:

Geography (Meteorology-Climatology), BS

Graphic Information Technology, BS

Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA

Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA

Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Master of Mass Communication, MMC

Sports Journalism, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The Bachelor of Arts in journalism and mass communication degree program has higher admission requirements and an application deadline of June 1 for fall. Students should select a second choice major on the application. All applicants will be reviewed by the school. Those who are not admitted to the Cronkite School will, if eligible, be admitted to their second choice major.

Freshman applicants must meet all of the following standards:

- have a 3.00 (4.00 = "A") ABOR GPA
- have no English competency deficiencies
- 1120 SAT Reasoning or 22 ACT score



Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 1040 SAT Reasoning if taken before March 2016 or 1120 SAT Reasoning if taken after March 2016 or 22 ACT score

Transfer Admission Requirements:

Transfer students (with 12 or more transfer hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies. Transfer students should contact the school for additional steps after admission to ASU. For more information regarding transfer admission see [http://cronkite.asu.edu/undergrad/xfer\\_major\\_change.php](http://cronkite.asu.edu/undergrad/xfer_major_change.php) ([http://cronkite.asu.edu/undergrad/xfer\\_major\\_change.php](http://cronkite.asu.edu/undergrad/xfer_major_change.php)).

Concurrent degree admission requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

#### **Change of Major Requirements:**

ASU students who would like to change their majors to journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's non-elective General Studies requirements. The course MCO 120 Media and Society, SB (3), an introductory course for non-majors, can count in place of JMC 110 Principles and History of Journalism, SB (3).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSJMCBA-null + &college=CCS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of the Walter Cronkite School of Journalism and Mass Communication work in the following areas:

- corporate and business communication
- digital media
- international news and information outlets
- magazines
- media start-ups
- national, regional and local newspapers
- national, regional and local television
- radio
- social media and analytics
- sports organizations
- strategic media and public relations
- technology companies

Positions include:

- audience engagement specialists
- copy editors
- data analytics specialists
- designers
- directors
- documentarians and film-makers
- foreign correspondents
- media editors and managers
- new product creation specialists
- photographers
- producers

- public relations specialists
- reporters
- social media specialists
- television anchors and announcers
- videographers
- visual journalists
- writers

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
 Walter Cronkite School of Journalism & Mass Comm  
<https://cronkite.asu.edu/degree-programs/undergraduate/journalism>  
 CRONK 302  
[attendcronkite@asu.edu](mailto:attendcronkite@asu.edu)  
 602-496-5555

## Mass Communication and Media Studies, BA (CSMCMSTBA)

**Campus:** Online

**Program Description:**

The online program for the BA in mass communication and media studies gives students a deep and nuanced understanding of the growing importance, power and influence of media around the world. The program explores global mass communication issues from all dimensions: societal, cultural, historical, political, economic, technological and legal.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
 or any MAT course that satisfies the math requirement

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-mass-communication-and-media-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSMCMSTBA-null + &college=CCS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A sophisticated understanding of mass communication is a critical asset for careers in business, government, community and the nonprofit sectors. Graduates of the program have career opportunities with professional organizations, educational institutions, writing firms, publishing companies, political parties and candidates, government officials and others. Graduates of the bachelor's degree in mass communication and media studies are prepared to pursue graduate studies in fields such as law, medicine, the arts, education and journalism.

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
<https://cronkite.asu.edu/content/mass-communication-and-media-studies>  
CRONK 222  
cronkiteadvising@asu.edu  
602-496-5055

## Sports Journalism, BA (CSSPJBA)

**Campus:** Downtown Phoenix

**Program Description:**

Sports journalism is the fastest-growing sector of the news media industry, with continued growth on all platforms: specialty magazines, multimedia outlets, and TV channels and networks. The Walter Cronkite School of Journalism and Mass Communication's BA program in sports journalism gives students unparalleled preparation for careers in sports media and communications through courses such as sports writing, sports photography, sports strategic communications, and ethics and diversity in sports. Students also complete an internship and intensive professional experience in the school's sports bureau, either in Phoenix or Los Angeles. Internship partners include professional sports teams, Arizona State University athletics, local, regional and national sports media outlets like ESPN, Fox Sports, the Pac-12 Networks and more.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics  
or any MAT course that satisfies the math requirement

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Master of Mass Communication, MMC

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The Bachelor of Arts in sports journalism degree program has higher admission requirements and an application deadline of June 1 for fall.

Students should select a second choice major on the application. All applicants are reviewed by the school. Those who are not admitted to the Cronkite School are admitted, if eligible, to their second choice of major.

Freshman applicants must meet all of the following standards:

- minimum cumulative high school GPA of 3.00 (4.00 = "A") in competency courses (<https://admission.asu.edu/freshman/competency-requirements>)
- have no English competency deficiencies
- 1120 SAT Reasoning OR 22 ACT score

**Transfer Admission Requirements:**

Transfer students (those with 12 or more transfer credit hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies. Transfer students should contact the school for additional steps after admission to ASU. More information regarding transfer admission is available at [http://cronkite.asu.edu/undergrad/xfer\\_major\\_change.php](http://cronkite.asu.edu/undergrad/xfer_major_change.php) ([http://cronkite.asu.edu/undergrad/xfer\\_major\\_change.php](http://cronkite.asu.edu/undergrad/xfer_major_change.php)).

**Change of Major Requirements:**

ASU students who would like to change their majors to sports journalism must have at least a cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's non-elective general studies requirements. MCO 120, an introductory course for non-majors, can count in place of JMC 110.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSSPJBA~null + &college=CCS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students in the sports journalism program are prepared for careers in all aspects of the media including print, broadcast, online and mobile. Positions include sports writers, reporters, producers, television anchors, multimedia associates, social media specialists, and strategic communications and public relations project coordinators.

**Contact Information:**

Journalism & Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism & Mass Comm  
<https://cronkite.asu.edu/degree-programs/undergraduate/sports-journalism>  
CRONK 302  
[attendcronkite@asu.edu](mailto:attendcronkite@asu.edu)  
602-496-5555

## Liberal Arts & Sciences, The College of

### Actuarial Science, BS (LAACTBS)

**Campus:** Tempe

**Program Description:**

Actuarial science majors learn to use tools from mathematics, statistics and finance to measure the impact of risk in order to improve forecasting and decision-making in business and government sector. Actuaries are required to pass a series of professional exams in order to become credentialed, and this degree program prepares students for these exams.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Actuarial Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Change of Major Requirements:

Current ASU students wishing to change their major to actuarial science should have a cumulative GPA of at least 3.00 (scale is 4.00 = "A"), have completed at least MAT 265 or MAT 270 and CIS 105 (or CSE 100 or CSE 110), and have earned a "B" grade or better in all critical classes they have already completed.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAACTBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Risk is a part of daily life and wherever there is risk, there are opportunities for actuarial intervention. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health and to ensure organizations conform to stringent, complex legal mandates. Others help companies to establish retirement plans or are employed as consultants. With a Bachelor of Science degree in actuarial science, students acquire skills that are transferable to any industry and any organization that requires risk modeling and management, including:

- colleges and universities
- consulting firms
- energy, such as utilities, oil and gas
- environment (on issues such as climate change and the financial impact or risk of extreme events)
- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor and Medicare (to manage social programs and to develop regulations and legislation)
- insurance companies
- retirement and pensions
- transportation, such as shipping and air travel

Students can also apply the advanced problem-solving skills learned in the actuarial science undergraduate program to a variety of other professional careers, including:

- analysts
- business operations specialists
- consultants
- teachers

#### Contact Information:

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences

<https://math.asu.edu>

WXLR A211

[math@asu.edu](mailto:math@asu.edu)

480-965-7195

## African and African American Studies, BA (LAAFRBA)

**Campus:** Tempe

#### Program Description:

The African and African American studies program at ASU has assembled a dynamic faculty engaged in investigating the riveting complexities of

Africa. Trained in a variety of disciplines that include anthropology, health, history, journalism, literature, sociology, political science and women's studies, the faculty examine a wide array of critical issues facing African-descended peoples across the stages of life at various times and places in history. Students choose one of the following areas of concentration: African diaspora studies or African studies.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAFRBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Because of its emphasis on various social aspects and groups, the African and African American studies program provides students with practical applications useful for various workplaces. This program helps students develop cultural sensitivity and prepares them for careers in:

- administration
- advertising
- business
- counseling
- education
- human resources
- international relations
- journalism
- justice
- law

- management
- travel

The program prepares students for work in:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- hotel chains
- law firms
- libraries
- museums
- nonprofit organizations
- political action groups
- public relation firms
- research organizations
- sales departments
- social service agencies
- the insurance industry
- the Peace Corps
- travel agencies

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Social Transformation  
<https://sst.asu.edu/african-and-african-american-studies>  
 WILSN 125  
 SSTadvising@asu.edu  
 480-965-7682

**American Indian Studies, BS (LAAISBS)**

**Campus:** Tempe

**Program Description:**

The BS program in American Indian studies provides students with unique opportunities to evaluate issues of American Indian nations within domestic and international contexts.

The American Indian studies program is committed to broadening the knowledge of students interested in the histories, languages, cultures, arts and contemporary situations of American Indian nations and peoples, and it encompasses legal, policy, community and economic development as well as arts, languages and culture.

The program is designed to protect the integrity and identity of the indigenous populations of North America and to create a learning environment conducive to critical and creative thought.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

American Indian Studies (Indigenous Rights and Social Justice), MS

American Indian Studies (Tribal Leadership and Governance), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAISBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the American Indian studies program are qualified to fill positions at the tribal, state and federal government levels and in the private sector. Graduates can advance to graduate school or can pursue professional careers in fields such as government service or public service. For example, federally and tribally operated schools located in remote areas within Indian Country have high turnover rates for both teachers and staff. American Indian studies graduates should be available to help fill these positions. Furthermore, the federal government, a major employer on many reservations across the country, is in need of qualified people who are knowledgeable in Indian cultures, laws and policies. Additionally, many American Indian nations' economies and infrastructures are developing at a rapid pace, and they are in continuous need to fill mid-management and management-level positions.

Graduates find positions in many areas, such as:

- community action work
- public administration (tribal or state relations, nonprofit management, education administration, planner)
- public health
- the arts
- tribal employment (political office, tribal management, cultural resource programming, grant writer, cultural specialist, youth services)

This program also provides suitable preparation for graduate study or law school.

**Contact Information:**

Liberal Arts & Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>



## Anthropology, BA (LAASBBA)

**Campus:** Tempe, Online

### Program Description:

A BA in anthropology lies at the cross-section between complex reasoning, the collection and analysis of data, and pure human ingenuity.

In this degree program students learn how to use the scientific method to formulate and test hypotheses and gather qualitative and quantitative data through participant observation, interviewing, ethnographic study, careful excavation and measurement. They also learn how to employ statistics to analyze and extract meaning from data.

A special feature of the ASU anthropology program is its relevance to other disciplines and many exciting hands-on learning opportunities in laboratories and through study abroad and field-based courses.

Using skills gained through this program, graduates discover rewarding career paths and new avenues of public understanding in everything from humankind's historical origins to modern sociocultural intricacies.

### Additional Program Fee: Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-anthropology/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAASBBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations

- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- providing healthcare as nurses, doctors or public or global health professionals
- teaching

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
 SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
 480-965-6215

## Anthropology, BS (LAASBBS)

**Campus:** Tempe

**Program Description:**

Anthropology is the study of how and why humans evolved and how our evolutionary biological, social and cultural trajectories help us understand the meaning of being human in past, present and future environments. The Bachelor's of Arts program in anthropology gives students an opportunity to master anthropological or anthropologically relevant knowledge and skills through applications of the scientific method and quantitative methodologies.

In core and elective courses, the bachelor's degree program in anthropology allows students to explore problems that may require the use of theories and methods from diverse disciplines, including biology, global health, applied mathematics, psychology, economics, sociology, medicine, law and engineering. The curriculum provides many exciting, hands-on learning opportunities through laboratories, study abroad and field-based courses.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAASBBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people

trained in anthropology will increasingly be sought for their broad, holistic knowledge and perspective, which are the hallmarks of anthropology. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for large and small private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing cultural resources in public and private sectors
- modeling infectious diseases
- planning communities
- providing health care as nurses, doctors, or public or global health professionals
- teaching

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
480-965-6215

## Applied Mathematics for Life and Social Sciences, BS (LAAMLBS)

**Campus:** Tempe

**Program Description:**

The BS in applied mathematics for the life and social sciences offers a challenging and exciting curriculum that investigates and integrates complex areas of the physical, life and social sciences while preparing a new generation skilled in the use of theories and techniques such as mathematical modeling and computational methods to solve practical real-world problems.

The program focuses on the development of critical-thinking skills and purposeful competencies in mathematics. It instills an appreciation for the contributions of mathematics to the fields of sciences, engineering, business, government and economics. Coursework is directed toward an understanding of mathematical theory and its relation to other fields of studies. Emphasis is placed on precision of definition, reasoning to accurate conclusions, and analyzing and developing solutions to problems using mathematical principles.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAMLBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

The bachelor's degree program in applied mathematics for the life and social sciences prepares students to enter the environmental, life, health, mathematical and social science fields. Graduates of the program possess the quantitative, scientific and analytical skills that are critical for professionals working in these areas.

The need for scientists and professionals quantitatively trained in the life and social sciences is strong in Arizona and the nation. This degree's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals in industries including:

- astrophysics
- biostatistics
- chemical engineering
- communications
- computational biology
- computer animation
- data mining
- demography
- digital and medical imaging
- e-commerce
- education
- forensics
- genomics
- informatics and complex systems research
- materials science
- neuroscience
- pharmaceutical engineering
- political science
- public health
- risk management
- security and military
- social network analysis

### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
480-965-6215

## **Asia Studies (East Asia), BA (LAHSTEABA)**

**Campus:** Tempe

### **Program Description:**

The BA in Asia studies offers students the opportunity to study East Asia, South Asia or Southeast Asia in depth through a coherent concentration of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on East Asia includes coursework on:

- China
- Japan
- Korea
- Taiwan

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=LAHSTEABA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication
- diplomacy
- food security
- higher education
- humanitarian service
- intelligence
- international organizations
- journalism
- law
- law enforcement
- military
- philanthropy
- technology transfer
- tourism
- trade
- transportation

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/160>

COOR 3307

SHPRSadvising@asu.edu

480-965-8364

## Asia Studies (South Asia), BA (LAHSTSABA)

**Campus:** Tempe

**Program Description:**

The BA in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent curriculum of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and enables them to apply valuable knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on South Asia includes coursework covering:

- Bangladesh

- India
- Pakistan
- other South Asian states and societies

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=LAHSTSABA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication
- diplomacy
- food security
- higher education
- humanitarian service
- intelligence
- international organizations
- journalism
- law
- law enforcement
- military
- philanthropy
- technology transfer
- tourism
- trade
- transportation

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch

<https://shprs.asu.edu/node/158>

COOR 3307

SHPRSadvising@asu.edu

480-965-8364

**Asia Studies (Southeast Asia), BA (LAHSTSEABA)**

**Campus:** Tempe

**Program Description:**

The BA in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent curriculum of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on Southeast Asia includes coursework covering:

- Brunei
- Burma/Myanmar
- Cambodia
- East Timor
- Indonesia
- Laos
- Malaysia
- Singapore
- Thailand
- the Philippines
- Vietnam

**Additional Program Fee:** Y**Second Language Requirement:** Yes**First Required Math Course:** MAT 142 - College Mathematics**Program Math Intensity:** General**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)International (<https://students.asu.edu/international/future>)Readmission (<https://students.asu.edu/readmission>)**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHSTSEABA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication
- diplomacy
- food security
- higher education
- humanitarian service
- intelligence
- international organizations
- journalism
- law
- law enforcement
- military studies
- philanthropy

- technology transfer
- tourism
- trade
- transportation

**Contact Information:**

Liberal Arts & Sciences, The College of  
 Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/165>  
 COOR 3307  
 SHPRSadvising@asu.edu  
 480-965-8364

## Asian Languages (Chinese), BA (LACHIBA)

**Campus:** Tempe

**Program Description:**

The BA program in Asian languages with a concentration in Chinese emphasizes proficiency in reading, writing and speaking Mandarin and in reading classical Chinese. Students gain an in-depth understanding of the fundamentals of the rich Chinese cultural tradition, centered on primary Chinese texts (in Chinese and in English translation) from the literary, intellectual and religious cultures of Chinese-speaking societies. These texts include visual and written materials on a variety of topics, including:

- history
- linguistics
- literary theory
- media
- philosophy
- religion
- urban culture

Highly-motivated students interested in learning Chinese to professional-level proficiency are encouraged to inquire about the Chinese Language Flagship Program: <https://international.clas.asu.edu/chineseflagship> (<https://international.clas.asu.edu/chineseflagship>). All students with higher levels of linguistic competency may enroll in targeted courses (conducted in Chinese) offered as part of the Chinese flagship track.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHIBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.



**Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- nongovernmental organization professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields and occupations using multiple languages include:

- advertising, marketing and communications
- airline industry
- film, television or multimedia
- foreign correspondence and journalism
- hospitality industry
- hotel and resort management
- intelligence
- international education and study abroad administration
- international law
- military
- ministry
- public relations
- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures

<https://silc.asu.edu/degrees/undergrad>

LL 440

[silcadvising@asu.edu](mailto:silcadvising@asu.edu)

480-965-6281

## Asian Languages (Japanese), BA (LAJPNBA)

**Campus:** Tempe

**Program Description:**

Students in the BA program in Asian languages with a concentration in Japanese study the language, literature and culture of Japan and gain a respectable measure of competence in reading, writing, and oral and aural skills in the Japanese language. Students also gain linguistic and cultural competence through the required study of classical Japanese. Throughout the program, students take courses in either Chinese or Korean language or culture and related courses in Japanese and East Asian culture on topics such as:

- art
- government
- Japanese history
- linguistics
- literary and cultural theory
- religion

<https://mystudyabroad.asu.edu> (<https://mystudyabroad.asu.edu/>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJPNBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields and occupations using languages include:

- advertising, marketing or communications
- airline industry
- film, television or multimedia
- hospitality industry
- hotel and resort management
- intelligence
- international education and study abroad administration
- international law
- lifestyle management
- military
- ministry
- public relations

- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Asian Pacific American Studies, BA (LAAPABA)

**Campus:** Tempe

**Program Description:**

The BA program in Asian Pacific American studies provides an opportunity for students to study the long history and rich contemporary experiences, cultures and communities of Asian Pacific Americans in the Southwest.

Dedicated, inspiring faculty lead students through a liberal arts emphasis on critical thinking, complex reasoning and solid writing skills, preparing them to engage in research that informs meaningful dialogues between policymakers, educators and society at large about Asian American and Pacific Islander communities for years to come.

The Asian Pacific American studies program is housed in ASU's School of Social Transformation, the only school of its kind in the United States.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAPABA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students who complete the bachelor's degree program in Asian Pacific American studies may pursue a graduate degree in law, humanities or social sciences. Graduates also are prepared to work in positions involving:

- business
- community organizations

- creative arts
- education
- health
- immigration
- journalism
- law

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Social Transformation  
<https://sst.asu.edu/asian-pacific-american-studies>  
 WILSN 125  
 SSTadvising@asu.edu  
 480-965-7682

**Biochemistry, BA (LABCHBA)**

**Campus:** Tempe

**Program Description:**

The BA program in biochemistry provides students with a course of study in the chemical processes of living organisms. Among the endeavors that depend upon a thorough grounding in this area are discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations, and the production of new materials and solutions to problems such as food production and environmental remediation.

This program is a flexible option for students interested in a liberal arts degree with a strong grounding in physical science. It is ideal for students seeking to complete two degrees. Students wishing to pursue a scientific graduate degree should consider the BS in biochemistry.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 251 - Calculus for Life Sciences Students may complete MAT 270 Calculus with Analytic Geometry I (4) in lieu of MAT 251 Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Admission Requirements:**

- General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABCHBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A solid undergraduate education in biochemistry provides the necessary background for career paths in areas such as:

- chemical industries
- government
- health care
- research
- teaching

Students often study biochemistry with supporting work in biology and chemistry as the route for preprofessional training for careers in these fields:

- dentistry
- medicine
- pharmacy
- veterinary

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Molecular Sciences

<https://sms.asu.edu>

PSD 104

[SMSadvising@asu.edu](mailto:SMSadvising@asu.edu)

480-965-7667

## Biochemistry, BS (LABCHBS)

**Campus:** Tempe, Online

**Program Description:**

The BS program in biochemistry provides students with a course of study in the chemical processes of living organisms. Among the endeavors that depend upon a thorough grounding in the area are discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations, the production of new materials and solutions to problems such as food production and environmental remediation.

This program is appropriate preparation for further study of biochemistry or related sciences in graduate school as well as for medical, dental or pharmacy school.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biochemistry (Medicinal Chemistry), MS

Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-biochemistry/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABCHBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A solid undergraduate education in biochemistry provides the necessary background for career paths in chemical industries, government, health care, research, teaching and other areas.

This program is appropriate preparation for further study of biochemistry or related sciences in graduate school as well as for medical, dental or pharmacy school.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu>  
PSD 104  
SMSadvising@asu.edu  
480-965-7667

## Biochemistry (Medicinal Chemistry), BS (LABCHMBS)

**Campus:** Tempe

**Program Description:**

The science of biochemistry is about understanding the chemical processes of living organisms. Discoveries of new drugs, the recognition and control of pathogens, development of new catalysts for energy transformations, and the production of new materials and solutions to problems such as food production and environmental remediation depend upon a thorough grounding in this area.

The BS degree program in biochemistry with a concentration in medicinal chemistry features an emphasis on the application of chemistry to the design and function of medicines. This program is appropriate for further study of biochemistry or related sciences in graduate school as well as medical, dental or pharmacy school.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biochemistry (Medicinal Chemistry), MS

Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=LABCHMBS--null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A solid undergraduate education in biochemistry provides the necessary background for career paths in chemical industries and is useful for careers in governmental regulation, health care, research and other areas.

Students planning careers in medicine, dentistry, pharmacy or veterinary medicine often pursue the medicinal chemistry concentration, with supporting work in biology and chemistry as the route for preprofessional training.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu>  
PSD 104  
SMSadvising@asu.edu  
480-965-7667

## Biological Sciences, BS (LABSCBS)

**Campus:** Tempe, Online

**Program Description:**

The life sciences delve into the basic organization and processes of life (microbes, plants and animals) at scales ranging from molecules to ecosystems and in time from picoseconds to millennia. This includes investigations into how hereditary information is transferred and organisms evolve, the interplay of organisms and their environments, and how these factors interact in health and disease. Students interested in a degree in life sciences can opt for a BS in biological sciences or choose one of five concentrations:

- biology and society
- biomedical sciences
- conservation biology and ecology
- genetics, cell and developmental biology
- neurobiology, physiology and behavior

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Secondary Education, BAE

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biology (Biology and Society), MS
- Biology, MS

Microbiology, MS

Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/biological-sciences-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The biological sciences major with no concentration is designed for students who are committed to studying and training in multiple disciplines in biology and students who want to get more exposure to the life sciences before deciding whether they want to declare a concentration as an undergraduate. Therefore, students in this major take core courses from several concentrations. Students in this major have more flexibility to customize their program of study so they can focus on their own area of interest that may not have a concentration, such as plant biology or genomics.

The biological science major provides an excellent foundation for graduate study as well as preparation for professional schooling in:

- dentistry
- medicine
- pharmacy
- veterinary medicine

Graduates may enter positions in:

- biotechnology
- education
- government
- industry

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

**Biological Sciences (Biology and Society), BS (LABSCSBS)**

**Campus:** Tempe



**Program Description:**

The BS program in biological sciences with a concentration in biology and society focuses on training biology students to understand the social context of their science, to ask how and why a biological problem has been and should be studied. Students explore the ways in which policy decisions shape and are shaped by biological research and they investigate the meaning and significance of the life sciences in understanding our complex world.

The biology and society curriculum is highly individualized. This unique degree is home to world-class researchers and teachers in diverse fields, including bioscience ethics, history and philosophy of science, science communication, science education and science policy, all brought together under one program. Students have the opportunity to work with many renowned scholars in independent study and research projects.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

**Additional Program Fee:** Y**Second Language Requirement:** N**First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry I**Program Math Intensity:** Moderate**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biology (Biology and Society), MS

- Biology, MS

- Microbiology, MS

- Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Biology and society students gain the historical, philosophical, political and ethical perspectives needed to explore interactions between the life sciences and related, complex human issues. As a result, the program contributes to better informed and more effective teachers, writers, policymakers, clinicians and researchers in areas related to biology, medicine and society.

As a result of the individualized, skill-based curriculum, biology and society majors are eligible for a broad range of career options. Most graduates have chosen to pursue professional degrees in medicine, law, public health or public policy, or graduate study in biology, ethics, education or history and philosophy of science. Our graduates enter the workforce, whether in academia, industry, government or clinical practice, with a deep sensitivity to the complexity of biology in society and the skill to navigate that complexity throughout their careers.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/>  
LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
480-727-6277

## Biological Sciences (Biomedical Sciences), BS (LABSCMBS)

**Campus:** Tempe

### Program Description:

The biomedical sciences concentration serves students in the biological sciences BS degree program who wish to pursue careers in medicine, other health professions or biomedical research in academic, clinical or industry settings. The curriculum aligns with the broad scientific competencies recommended for premed students in a report of the American Medical Colleges and the Howard Hughes Medical Committee and reflected in the 2015 changes to the MCAT.

Coursework draws from the school's concentration in genetics, cell and developmental biology and the concentration in neurobiology, physiology and behavior, with the addition of courses in biology and in medicine and society. The concentration focuses on chemistry, biochemistry, math and physics coursework that is necessary to prepare students for the MCAT or medical school admissions. The concentration emphasizes core concepts, competencies and critical intellectual skills necessary to succeed in medical school or biomedical research.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biology, MS

Microbiology, MS

Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCMBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates are well-equipped to enter into careers as research scientists or as scientists in the health professions, having met the majority of

prerequisite requirements and mastered many of the competencies valued by graduate programs in medical, dental and optometry fields or programs which prepare students to be physician assistants or physical therapists. Additionally, graduates of this program have an understanding of the process of science, preparing them for a career in research. They have knowledge of foundational concepts in biological sciences, chemistry, physics and statistics and the ability to understand and apply core biomedical concepts. This prepares them for entry into biology research in a vast number of areas, some of which include genetics, genomics, evolution, physiology and immunology.

**Contact Information:**

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480-727-6277

## Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)

**Campus:** Tempe

**Program Description:**

Ecology is the study of the distribution and abundance of organisms, the interactions among organisms, and the interactions between organisms and the physical environment. Conservation biology is an applied science based on ecological principles that focuses on conserving biological diversity and on restoring degraded ecosystems. Arizona State University is committed to a more sustainable world, and sharing knowledge of conservation biology and ecology through the BS program in biological sciences with a concentration in conservation biology and ecology is one critical component to help meet this global challenge.

Conservation biologists at ASU investigate the impact of humans on Earth's biodiversity and develop practical approaches to prevent the extinction of species and promote the sustainable use of biological resources. Some investigate the causes of ecosystem degradation and use ecological principles to reestablish desired conditions in a variety of ecosystems, including rivers, wetlands, grasslands, urban landscapes and forests.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences  
or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biology (Biology and Society), MS

Biology, MS

Microbiology, MS

Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=LABSCCBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The curriculum prepares students with skills and concepts for employment and provides a solid platform for students who wish to attend graduate school. Graduates are prepared for careers with:

- governmental agencies such as the Environmental Protection Agency and state game and fish departments
- K-12 education, colleges and universities
- nongovernmental organizations such as The Nature Conservancy and Conservation International
- private companies focused on environmental resources, environmental law or environmental economics

The concentration can provide training in specific skills that might be needed in these areas:

- animal and plant physiology, identification and ecology
- behavioral ecology and population biology
- community, ecosystem and landscape ecology
- conservation of endangered species
- ecology of different habitats, including cities, lakes, rivers and grasslands
- restoration of degraded ecosystems

**Contact Information:**

Liberal Arts & Sciences, The College of  
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LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
480-727-6277

## Biological Sciences (Genetics, Cell and Developmental Biology), BS (LABSCGBS)

**Campus:** Tempe

**Program Description:**

The BS degree program in biological sciences with a concentration in genetics, cell and developmental biology integrates the study of three exciting, closely related areas of life science research. Genetics examines the blueprints of life, such as DNA sequence and gene expression, while cell biology studies the machinery of life enclosed within the boundaries of cells. Developmental biology uses both genetics and cell biology to understand how genes and the environment interact to produce a whole new individual from a single cell as well as the various developmental changes that organisms undergo throughout life. The combined study of genetics, cell biology and development has resulted in a better understanding of many diseases and promises to prove even more important in the future.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biology (Biology and Society), MS
- Biology, MS
- Microbiology, MS
- Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic advisor.

departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCGBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of this concentration have a variety of career options. This degree provides the fundamental coursework necessary for admission into medical, dental, veterinarian, pharmacy or graduate schools or any of the health professions. There also are many employment opportunities that can be pursued upon receipt of the Bachelor of Science with this concentration:

- animal breeder technician
- bioinformaticist
- biotechnologist
- cell culture specialist
- cloning technician
- crime lab technician
- cytotechnologist
- drug design technician
- food and drug inspector
- genetic counselor
- histologist
- in-vitro fertilization technician
- plant improvement specialist
- teacher
- technical writer
- vaccine development technician

Students in this concentration program learn critical-thinking skills that can be applied to many scientific problems and professions as well as to the challenges of daily life. Students are encouraged to engage in independent research projects or internship opportunities to develop a better sense of how science is done.

#### **Contact Information:**

Liberal Arts & Sciences, The College of

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480-727-6277

## **Biological Sciences (Neurobiology, Physiology and Behavior), BS (LABSCABS)**

**Campus:** Tempe

#### **Program Description:**

The neurobiology, physiology and behavior concentration serves students in the biological sciences BS degree program with a broad yet rigorous education. While it might seem that physiology and behavior are quite separate fields, the two interact extensively in living organisms to achieve common goals. By studying behavior and physiology from the perspectives of molecular and cellular biology, evolution, organ systems (neural, endocrine, cardiovascular, respiratory, immune, etc.) and the environment, the concentration in physiology and behavior provides insight into how these aspects work together in a variety of ways. Students in this concentration also learn to apply principles from mathematics, chemistry and physics. Discoveries are made at the laboratory bench and in the field, and students in the concentration are encouraged to participate in research projects in the labs of our faculty members.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biology (Biology and Society), MS

Biology, MS

Microbiology, MS

Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCABS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The broad education and critical-thinking skills students receive in this concentration are well suited for a variety of rewarding careers. Premedical, preveterinary and pre dental students get the background and courses needed for professional school application and beyond. Many students go on to graduate school for academic, teaching or research careers in areas such as:

- endocrinology
- environmental or behavioral physiology
- human physiology
- metabolism
- neurobiology
- social behavior

With a Bachelor of Science degree in this concentration, there are opportunities for technical positions in hospitals, research institutes and industry (food, dairy, chemical, pharmaceutical and biotechnology) as well as in government laboratories and agencies. The most important skills students

learn in the concentration are critical-thinking and problem-solving skills that can be applied to many scientific problems and professions as well as to the challenges of daily life.

**Contact Information:**

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480-727-6277

## Biophysics, BS (LABIPHBS)

**Campus:** Tempe

**Program Description:**

Biophysics uses the methods and theories of physics to study biological systems. The BS in biophysics is a transdisciplinary program, providing students with a working understanding of the important principles of physics, chemistry and biology that govern all scales of biological organization, from the molecular processes of life to organisms and ecosystems.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABIPHBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The broad range of applicability of the principles of biophysics gives great flexibility in a choice of career or further education including, but not limited to:

- chemical industries
- engineering
- government
- health care
- physics research
- teaching and other areas

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of Physics

<https://physics.asu.edu/degree/biophysics>

PSF 470

[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)

480-965-3561

## Chemistry, BA (LACHMBA)

**Campus:** Tempe

### Program Description:

Chemistry is concerned with the composition, properties and reactions of matter. The BA program in chemistry provides the fundamental knowledge and skills necessary to address scientific needs of society in transdisciplinary areas such as energy and sustainability, medicine and health, materials and nanoscience, geologic and biospheric science, frontiers of chemical measurement, and fundamental molecular science.

The Bachelor of Arts degree in chemistry is a flexible option for students interested in a liberal arts degree with a strong grounding in physical science. It is ideal for students seeking to complete two degrees. Students pursuing a bachelor's degree in chemistry have opportunities to explore interests in analytical, inorganic, organic and physical chemistry as well as biochemistry, geochemistry, solid-state and materials chemistry. Students wishing to pursue a scientific graduate degree should consider the BS in chemistry.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

### Concurrent Degrees:

This degree is also offered as concurrent degree program with Secondary Education, BAE

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHMBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

A solid undergraduate education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, with economics for sales and marketing careers, and with computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training.

### Contact Information:

Liberal Arts & Sciences, The College of

School of Molecular Sciences

<https://sms.asu.edu>

PSD 104

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480-965-7667



## Chemistry, BS (LACHMBS)

**Campus:** Tempe

### Program Description:

Chemistry is concerned with the composition, properties and reactions of matter. The BS program in chemistry provides students the knowledge and skills necessary to address contemporary scientific challenges in transdisciplinary areas such as energy and sustainability, medicine and health, materials and nanoscience, geologic and biospheric science, frontiers of chemical measurement, and fundamental molecular science.

Students complete coursework in the foundational chemistry disciplines of analytical, inorganic, organic and physical chemistry as well as biochemistry as part of a curriculum approved by the American Chemical Society. This degree is appropriate for further study of chemistry or other physical sciences in graduate school or for scientific careers.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biochemistry (Medicinal Chemistry), MS

Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHMBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training.

### Contact Information:

Liberal Arts & Sciences, The College of

School of Molecular Sciences

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480-965-7667

## Chemistry (Environmental Chemistry), BS (LACHMEBS)

**Campus:** Tempe

### Program Description:

The BS in chemistry with an environmental chemistry concentration is a transdisciplinary degree program that combines training in the traditional disciplines of chemistry with related environmental sciences courses from geology, mathematics and physics. Discoveries of new materials, processes and solutions to problems such as pollution control and climate change depend upon a thorough grounding in this area of science.

This program prepares students to become scientists and leaders in solving environmental problems and serves as excellent preparation for a career in environmental science or further study of physical sciences in graduate school.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHMEBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training. Students planning to work in areas related to the environment will find the environmental chemistry concentration especially appropriate.

### Contact Information:

Liberal Arts & Sciences, The College of

School of Molecular Sciences

<https://sms.asu.edu>

PSD 104

[SMSadvising@asu.edu](mailto:SMSadvising@asu.edu)

480-965-7667

## Civic and Economic Thought and Leadership, BA (LACELBA)

**Campus:** Tempe

### Program Description:

The BA program in civic and economic thought and leadership prepares students for citizenship, responsibility and the privilege of leadership.

Through the high-impact curriculum, students learn to read, analyze and debate the fundamental ideas in economics, politics and ethics that affect how civil society functions. They learn to ask the right questions when confronting complex problems, and they lead the charge toward workable solutions. Students learn how to become visionary, entrepreneurial leaders who make ethical decisions and unite stakeholders by identifying shared goals. They hone writing, speaking and presentation skills in classes that require them to challenge presumptions and lead constructive conversations about the real issues of the 21st century. Students enjoy access to scholars and professionals in a world-class public affairs and speakers program, and they are given opportunities to apply theory to practice through internships and service-leadership projects that introduce them to the demands of leadership in a liberal democracy

**Additional Program Fee:** Y

**Second Language Requirement:** Y

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACELBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This rigorous program inspires and prepares students to lead and serve in civil society, public affairs or government. Students refine their ability to read closely, think analytically, write carefully and speak effectively. Internships provide the practical professional experience that employers desire.

Some career paths students might pursue include business, campaign management, education, foreign service, journalism, law, political advising, national security affairs and public office.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Civic & Economic Thought and Leadership  
<https://scetl.asu.edu>  
SS 107  
[scetl@asu.edu](mailto:scetl@asu.edu)  
480-965-0155

## Civic and Economic Thought and Leadership, BS (LACETLBS)

**Campus:** Tempe

**Program Description:**

The BS program in civic and economic thought and leadership inspires and prepares future leaders through the transdisciplinary study of political philosophy, economic thought, intellectual history, and American political thought and constitutionalism combined with practical leadership experiences. The curriculum examines broad, fundamental concepts and questions across human civilization, and the challenges of leadership and statesmanship in the 21st-century world. Coursework is augmented by an internship experience, access to world-class scholars and intellectuals in the public affairs and speakers program, and contact with visiting Fellows.

compete for prestigious graduate scholarships, and for leadership roles in the public and private sectors. The result is a new breed of citizen who is uniquely positioned to address contemporary challenges through a traditional lens.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACETLBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This rigorous program inspires and prepares students to lead and serve in civil society, public affairs or government. Students refine their ability to read closely, think analytically write carefully, and speak effectively. Internships provide the practical professional experience that employers desire. Some career paths students might pursue include business, campaign management, education, foreign service, journalism, law, political advising, national security affairs and public office.

**Contact Information:**

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School of Civic & Economic Thought and Leadership  
<https://scetl.asu.edu/>  
SS 109  
[scetl@asu.edu](mailto:scetl@asu.edu)  
480-965-0155

## Communication, BA (LACOMBA)

**Campus:** Tempe

**Program Description:**

The BA in communication at ASU's Tempe campus focuses on how message processes create, maintain and transform identities, relationships, workplaces and communities. This program provides a culturally based liberal arts focus with a second language requirement. Such courses and activities will allow students to explore many fascinating questions, such as how messages can optimally advocate for a cause, sports team or organization; how people can communicate creatively in a variety of settings and styles; how valid messages differ from invalid messages; how and why cultural differences make communication difficult; and why some topics are difficult to discuss and consistently lead to conflict.

Through rigorous coursework and rewarding applied experiences, students gain effective communication skills that are highly sought by employers. Students learn to write and speak effectively and are able to convey complex ideas simply. They are prepared for employment in communication-intensive fields or for graduate study.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students who have attended ASU in the past and are returning to the university with transfer credit must have a minimum 2.00 ASU cumulative GPA in order to be admitted into the Hugh Downs School of Human Communication.

Transfer Admission Requirements:

Students who are transferring into ASU must meet current university admission requirements.

**Change of Major Requirements:**

Current ASU students who would like to change their major to Communication must have at least a 2.00 cumulative GPA.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACOMBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program often attend leading graduate schools in communication, law or business or find gainful employment in careers in the areas of:

- campaign management
- counseling
- entrepreneurship
- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
- public relations
- sales

**Contact Information:**

Liberal Arts & Sciences, The College of  
Hugh Downs School of Human Communication  
<https://humancommunication.asu.edu/>  
STAUF 412  
[communication@asu.edu](mailto:communication@asu.edu)  
480-965-5095

## Communication, BS (LACOMBS)

**Campus:** Tempe, Online

**Program Description:**

The BS in communication at ASU's Tempe campus focuses on how message processes create, maintain and transform identities, relationships, workplaces and communities. This degree program provides a liberal arts grounding and a social science focus. Such courses and activities allow

students to explore many fascinating questions, such as:

- In what ways can messages convince people to eliminate negative health behaviors?
- When, how and why do cultural differences make it difficult to communicate?
- Why are some topics difficult to discuss and consistently lead to conflict?
- Why do people differ in how committed they are to their work?
- Why do some relationships flourish while others fade away?

Through rigorous coursework and rewarding applied experiences, students gain effective communication skills that are highly sought by employers. Students learn to write and speak effectively and to convey complex ideas simply, preparing them for employment in a variety of career fields or for graduate study.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students who have attended ASU in the past and are returning to the university with transfer credit must have a minimum 2.00 ASU cumulative GPA in order to be admitted into the Hugh Downs School of Human Communication.

Transfer Admission Requirements:

Students who are transferring into ASU must meet current university admission requirements.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-communication/>)

**Change of Major Requirements:**

Current ASU students who would like to change their major to communication must have at least a 2.00 cumulative GPA.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACOMBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the program often attend leading graduate schools in communication, law or business schools, or find gainful employment in careers in the areas of:

- campaign management
- counseling
- entrepreneurship

- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
- public relations
- sales

**Contact Information:**

Liberal Arts & Sciences, The College of  
 Hugh Downs School of Human Communication  
<https://humancommunication.asu.edu/>  
 STAUF 412  
 communication@asu.edu  
 480-965-5095

## Computational Mathematical Sciences, BS (LACMSBS)

**Campus:** Tempe

**Program Description:**

This BS program in computational mathematical sciences is a fusion of mathematics, science and computing. Students in this program learn how to translate problems in science and engineering into mathematical problems and solve them using computing algorithms. They develop strong problem-solving, analytical and programming skills as they work across diverse areas of science and mathematics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Mathematics, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACMSBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

In a recent study, mathematics, computer science, applied mathematics and statistics all ranked among the top 15 most valuable college majors in

terms of salary and career prospects. The computational mathematical sciences program brings all these disciplines together.

A bachelor's degree in computational mathematical sciences is one of the most versatile math degrees, offering students many career options. The degree positions students for careers in computer technology, business, medical research, teaching and education, engineering and more. Some students pursue graduate opportunities in areas such as biophysics, economics, medicine, statistics and law. Diverse areas of study such as cancer modeling, weather forecasting and financial modeling all involve computational mathematical sciences.

**Contact Information:**

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<https://math.asu.edu/>  
WXHR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Earth and Environmental Studies, BA (LAEESBA)

**Campus:** Tempe

**Program Description:**

The BA in earth and environmental studies provides a foundational understanding of the evolution of the earth system with an emphasis on the planetary context for sustainable human societies. The degree program includes broad training in the physical sciences, especially process-oriented geosciences that focus on Earth's life-sustaining surface environment. Advanced courses focus on topics including:

- climate change
- earth's water, energy and material resources
- impact of land-use change on human civilization
- physical, chemical and biological process interactions that define Earth's evolution

This is designed as a liberal arts program with an emphasis on basic scientific literacy, not as a preparatory degree program for graduate study in the natural sciences. However, successful earth and environmental studies graduates are well prepared for green energy career opportunities such as:

- education
- environmental reporting
- natural resource management
- public planning
- sustainability

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAEESBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.



ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

With a breadth of knowledge and experience and the acquired skills to integrate various domains of knowledge, graduates of the earth and environmental studies program are prepared for a variety of careers that help find solutions to tomorrow's environmental and sustainability challenges. Chief among these are careers in the following settings:

- consultancy
- education
- governmental agencies
- industry
- museums
- nongovernmental organizations
- nonprofit organizations
- publishing
- regulatory agencies
- utilities

Recent environmental awareness in business and government has also resulted in new employment opportunities (e.g., environmental coordinators, directors and managers). Graduates are also well-prepared for admission to strong professional schools in fields outside the natural sciences.

**Contact Information:**

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## Earth and Space Exploration, BS (LASESBS)

**Campus:** Tempe

**Program Description:**

The BS program in earth and space exploration offers students an integrated education across earth sciences, planetary sciences, astrophysics and engineering. The degree program incorporates a learning community that includes science and engineering students, a yearlong collaborative capstone senior exploration project and strong quantitative preparation.

This strong foundation in geosciences, astrophysics and exploration engineering prepares students for key roles in:

- earth resources and exploration
- environmental and geologic engineering
- space research and industry
- water and environmental use policy

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I or MAT 270

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The earth and space exploration major addresses critical future shortfalls in the national and regional training of the next generation of geoscientists and aerospace engineers. Arizona has an expanding space industry with major new investments and is prepared to engage new technologies to monitor and understand environmental issues in Arizona, the Southwest and throughout the world. Students who major in earth and space exploration will have the tools, knowledge and understanding to address key problems of a global nature, whether they are working in the private or public sector.

**Contact Information:**

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## Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)

**Campus:** Tempe

**Program Description:**

Astrobiology studies the origins, evolution, distribution and future of life in the universe. Biogeoscience focuses on the interaction of biological and geological processes on Earth at present and in the geologic past. These topics are closely related because the concepts of biogeoscience inform the study of planetary habitability and the search for habitable worlds. Therefore, the astrobiology and biogeoscience concentration in the BS program in earth and space exploration is designed to offer students a strong foundation for exploring the interaction of geological and biological processes, how such interactions sustain life on Earth, and how they might operate on other planets. This scientific background is needed to contribute to the search for life on other planets as well as the exploration of extreme environments here on Earth. It also provides training in the interplay of forces that impact global change.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I or MAT 270

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESABBS~null + &college=CLA>) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the astrobiology and biogeosciences program are well-prepared for graduate studies in these fields. Because astrobiology is increasingly the motivation for NASA exploration missions, they are also well-suited for entry-level careers at NASA research centers. The degree program also provides broad training across a range of science fields, giving students a strong background for careers in biomedical, environmental or sustainability areas.

**Contact Information:**

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480-965-5081

## Earth and Space Exploration (Astrophysics), BS (LASESABS)

**Campus:** Tempe

**Program Description:**

The BS in earth and space exploration with a concentration in astrophysics is designed to offer students a fundamental grounding in astronomy and astrophysics, with exposure to the related fields of geology, planetary science and engineering. Students emerge from this program with the skills to pursue a career in astrophysics, physics or related fields.

The rigorous coursework includes a combination of physics courses taught in the School of Earth and Space Exploration and the Department of Physics. The tools of astronomical discovery are increasingly dependent on technological advances so students will be exposed to engineering principles. Through the capstone project in the senior year, students gain valuable experience in translating science drivers into engineering solutions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I  
or MAT 265 Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESABS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities include but are not limited to:

- aerospace engineer
- astrobiologist
- astronomer
- computer programmer
- data analyst
- instrumentation specialist
- planetary scientist
- science policy intern
- science writer
- teacher
- telescope operator

Career settings include:

- federal government
- K-12 schools
- manufacturing
- museums
- NASA facilities
- national laboratories
- NSF facilities
- observatories
- planetariums
- publishing
- space industries
- universities and colleges

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

**Contact Information:**

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School of Earth and Space Exploration  
<https://sese.asu.edu>  
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## Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)

**Campus:** Tempe

**Program Description:**

The BS program in earth and space exploration with a concentration in exploration systems design offers students a fundamental curriculum in geology, physics and astrophysics while providing tools that enable them to design and build hardware and software to achieve specified scientific goals.

At the heart of the program is a sound grounding in the fundamentals of physics, mathematics and chemistry. Upon that foundation, students explicitly tackle issues concerning hardware design and instrument assembly and, ultimately, how to knit these components together when conceiving the requirements needed for a mission or project destined for space or another planet.

As part of this degree program, each student has the opportunity to learn how projects and missions are designed and planned, starting with the scientific drivers and then defining engineering specifications. All students are expected to complete a senior project that takes a desired scientific measurement and realizes the technological solution to achieve the observation.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I or MAT 270

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESESDBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities include:

- astronomer
- geoscientist
- planetary scientist
- science policy intern
- science writer
- scientific instrumentation specialist
- space systems engineer
- systems engineer

Sample career settings include:

- aerospace industry
- federal government
- manufacturing
- NASA centers
- national laboratories
- observatories
- publishers
- space industries
- universities and colleges

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

**Contact Information:**

Liberal Arts & Sciences, The College of

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**Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)**

**Campus:** Tempe

**Program Description:**

Geological science is the study of the Earth and other planets with an emphasis on the processes that have shaped them since the origin of the solar system. Students explore topics such as the co-evolution of life, oceans, atmosphere and the Earth's climate system, and the record of that evolution encoded in rocks, soil, ice and isotopes.

The BS program in earth and space exploration with a concentration in geological sciences educates students in the fundamentals of geological sciences, providing a solid background in chemistry, mathematics and physics as well as transdisciplinary training in engineering, astronomy and planetary science.

Students gain a strong understanding of field methods as well as modern computing, remote sensing and instrumentation to effectively study the natural environment and Earth's resources. Graduates of the program can apply their knowledge for the benefit of Arizona, the nation and society in general.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I or MAT 170 Calculus with Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESGSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Sample careers include:

- environmental geologist
- geological engineer
- geologist
- mining geologist
- petroleum geologist
- science policy intern
- science writer

Sample career settings include:

- environmental industry
- geotechnical industry
- mining and petroleum industries
- museums
- publishers

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

**Contact Information:**

Liberal Arts & Sciences, The College of  
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480-965-5081

## Economics, BS (LAECNBS)

**Campus:** Tempe, Online

**Program Description:**

The mission of the Department of Economics at ASU is to provide the highest quality instruction to students, conduct cutting-edge research in economics, and provide leadership and service to our professional communities. The department's undergraduate program aims to provide students with the critical-thinking and communication skills needed to succeed in business, government or graduate school.

The BS in economics is built on a strong core of economic theory, supplemented by mathematics and data analysis. All students are encouraged to develop programs of study tailored to their individual needs and interests. Students choose from a variety of courses within the department as well as from The College of Liberal Arts and Sciences and the university to broaden their knowledge and skills and individualize their learning experience.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/economics-bs-college-liberal-arts-and-sciences/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAECNBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates have been very successful in business, consulting and government. Others have gone on to the best law schools in the country and top doctoral and MBA programs in the United States and abroad. Many graduates have won prestigious national awards, such as the Marshall Award, National Science Foundation fellowships, Fulbright fellowships and the Truman Award.

**Contact Information:**

Liberal Arts & Sciences, The College of

Economics Program in CLAS  
<https://wpcarey.asu.edu/economics-degrees/undergraduate>  
CPCOM 412  
wpcareyecn@asu.edu  
480-965-3531

## Economics (Politics and the Economy), BS (LAECNPECBS)

**Campus:** Tempe

### Program Description:

The concentration in politics and the economy serves undergraduate students in the BS program in economics who wish to pursue careers in business, economic and political consulting, political science, law and government.

In addition to coursework drawn from economics, the concentration also requires coursework that highlights the impact of government policies on the economy and the conditions under which government interventions may be warranted. Students take political science courses that provide a deep understanding of political processes and institutions as well as methodologies for understanding that behavior.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAECNPECBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates are well-prepared for successful careers in business, economic and political consulting, law and government, whether they seek employment immediately upon graduation or they choose to pursue advanced degrees in law, business, economics or political science.

### Contact Information:

Liberal Arts & Sciences, The College of  
Economics Program in CLAS  
<https://wpcarey.asu.edu/economics-degrees/undergraduate>  
CPCOM 412  
wpcareyecn@asu.edu  
480-965-3531

## English, BA (LAENGBA)

**Campus:** Online



**Program Description:**

The BA in English is offered completely online. This broad undergraduate program prepares students for an ever-expanding variety of careers or for continuing their studies in graduate and professional programs. Students supplement a core focused on critical reading and writing with courses chosen from literature, linguistics, creative and nonfiction writing, to develop a customized program of study.

**Additional Program Fee:** N**Second Language Requirement:** Yes**First Required Math Course:** MAT 142 - College Mathematics**Program Math Intensity:** General**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)International (<https://students.asu.edu/international/future>)Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-english/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Degree programs in English and film and media studies prepare students for a variety of careers in diverse fields. Employers seek workers with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- editing
- journalism
- law
- medicine
- nonprofit organizations
- professional and technical writing
- public relations
- publishing
- teaching
- Web content development

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English

<https://english.asu.edu/>  
RBHL 170  
englishadvising@asu.edu  
480-965-3168

## English (Creative Writing), BA (LAENGCBA)

**Campus:** Tempe

### Program Description:

Undergraduate students can pursue BA degrees in English with concentrations in creative writing; linguistics; literature; secondary education; and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

Students in the creative writing concentration study and practice the art of writing poetry and fiction. The distinguished faculty in the Department of English are actively engaged in creative writing and scholarly research. Students gain practical experience through research and internships that prepare them for an ever-expanding variety of careers. The undergraduate programs also prepare students to continue their studies in graduate and professional programs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGCBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Employers in all fields are always looking for individuals with strong writing and communication skills and the ability to think critically, skills that a BA in English with a concentration in creative writing provides. Some of the most common professions for English majors are in these fields:

- business
- editing
- journalism
- law
- medicine
- nonprofit community service
- professional writing

- public relations
- publishing
- teaching
- Web content development

**Contact Information:**

Liberal Arts & Sciences, The College of  
 Department of English  
<https://english.asu.edu/>  
 RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
 480-965-3168

**English (Linguistics), BA (LAENGNBA)**

**Campus:** Tempe

**Program Description:**

Undergraduate students can pursue BA degrees in English with concentrations in creative writing; linguistics; literature; secondary education; and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

Students in the linguistics concentration focus on study of the history and structure of language. Students have the opportunity to study with distinguished faculty actively engaged in scholarly research and gain practical experience through internships that prepare them for an ever-expanding variety of careers. The program also prepares students to continue their studies in graduate and professional programs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Linguistics and Applied Linguistics, MA
- Teaching English to Speakers of Other Languages, MTESOL

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

- General University Admission Requirements:  
 All students are required to meet general university admission requirements.
- Freshman (<https://students.asu.edu/freshman/requirements>)
- Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
- International (<https://students.asu.edu/international/future>)
- Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGNBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and

other communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- journalism
- law
- medicine
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- Web content development

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## English (Literature), BA (LAENGTBA)

**Campus:** Tempe

**Program Description:**

Undergraduate students can pursue BA degrees in English with concentrations in creative writing; linguistics; literature; secondary education; and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

Students in the literature concentration study British, American and global literatures in English, from the earliest writings to the present. The distinguished faculty in the Department of English are actively engaged in creative writing and scholarly research. Students gain practical experience through research and internships that prepare them for an ever-expanding variety of careers. The undergraduate programs also prepare students to continue their studies in graduate and professional programs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGTBA~null + &college=CLA>) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and other communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- journalism
- law
- medicine
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- Web content development

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## English (Secondary Education), BA (LAENGSEBA)

**Campus:** Tempe

**Program Description:**

Undergraduate students can pursue BA degrees in English with concentrations in creative writing; linguistics; literature; secondary education; and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

The BA in English with a concentration in secondary education focuses on rigorous content in literature, composition, linguistics and secondary teaching pedagogy. This program provides extensive preparation for meeting the needs of all student populations, including attention to levels of academic performance and cultural and linguistic diversity.

Students finish the program with Arizona Department of Education certification for middle and high school English language arts. Both a fingerprint clearance and a background check are required in the second year of the program.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGSEBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students graduating with a bachelor's degree in English with a concentration in secondary education have tremendous opportunities for employment. With more than one million students in a state ranked seventh in the nation in population growth, the need for certified teachers in Arizona is self-evident. Arizona State University provides more of those teachers than any other institution of higher education. In the last 15 years, ASU graduates have had their pick of teaching jobs around the valley and around the state. After student teaching in school districts in the greater Phoenix area or in one of the 22 Native American nations in the state, students are often hired to teach in the same school in which they completed their internship. New teachers continue to be in demand because the predicted rate of population growth in Arizona is still strong and the retirement rate of teachers is increasing.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## English (Writing, Rhetorics and Literacies), BA (LAENGWBA)

**Campus:** Tempe

**Program Description:**

Undergraduate students can pursue BA degrees in English with concentrations in creative writing; linguistics; literature; secondary education; and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

The concentration in writing, rhetorics and literacies teaches students strategies for inquiry. Students explore the ways in which communication has, does and will create knowledge and action, and they study how communication is constructed, circulated, reacted to and repurposed through time and place. Through differing tools of inquiry, students investigate the history, theories and methods of inquiry as well as pragmatic and social actions of rhetoric, writing and literacies.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGWBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are vast for this concentration: in business, private companies, government, nonprofit organizations --- anywhere where critical inquiry, innovative thinking, communication, decision-making, future studies and collaboration are valued and needed. This program also prepares students for further education in teaching, law and other professional programs.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## Family and Human Development, BS (LAFASBS)

**Campus:** Tempe, Online

**Program Description:**

The BS degree program in family and human development focuses on the well-being of children, youth and families. This program offers courses on the development of the individual and family throughout the lifespan. Students majoring in family and human development examine contemporary issues in society and how they impact families. Students also develop proficiency in written communication, computer skills, statistical analysis and research methodology.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-family-and-human-development/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAFASBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

As a liberal arts degree, the bachelor's degree in family and human development provides excellent preparation for future graduate work in:

- counseling
- family and developmental sciences
- law
- medicine
- social work

The program also prepares undergraduates for direct entry into positions in business, social service and government.

**Contact Information:**

Liberal Arts & Sciences, The College of  
 Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu>  
 SS 144  
[advisor@asu.edu](mailto:advisor@asu.edu)  
 480-965-6978

**Film (Film and Media Studies), BA (LAFMSBA)**

**Campus:** Tempe, Online

**Program Description:**

The BA in film with a concentration in film and media studies is an innovative program in the study of film, television and digital media. The program provides students with the analytical, creative and communication skills to interpret and produce media texts, empowering them to be critical scholars, consumers and practitioners of media culture.

Graduates are prepared for employment opportunities as executives, screenwriters, producers, reviewers, teachers, marketers, analysts and bloggers.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-film-and-media-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAFMSBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about



these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The film and media studies concentration provides undergraduates with skills that can be applied in a number of professional fields, including as leaders within these areas of the media and entertainment industries:

- creative management
- criticism
- development
- marketing
- regulation
- teaching

Some graduates of film and media studies have gone on to pursue graduate studies at prestigious universities while others elect to begin their careers.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Department of English  
<https://english.asu.edu/node/267>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## **French, BA (LAFREBA)**

**Campus:** Tempe

#### **Program Description:**

The BA program in French offers the opportunity to study the language, literature and culture of France and francophone countries. Students gain competence in reading, writing, and oral and aural skills in the French language and take a number of related courses on topics such as:

- art
- cinema
- colonization
- government and political science
- history and civilization
- international business
- linguistics
- literature and theater
- popular culture
- religion

Students are encouraged to join the French Club to help them gain proficiency in the language. In addition, the School of International Letters and Cultures offers faculty-directed summer study abroad programs in France and Quebec, Canada, and it endorses partnership and exchange programs in francophone Africa, Canada and Europe. More information on study abroad opportunities is available at <https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages> (<https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=LAFREBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Career fields using French include:

- advertising, marketing and communications
- airline industry
- cultural advising
- design
- diplomatic and foreign service
- domestic and international banking
- domestic and international business
- domestic and international law
- fashion
- film, television and multimedia
- foreign correspondence and journalism
- health professions
- hospitality industry
- hotel and resort management
- intelligence
- international education and study abroad
- interpreting and translation
- lifestyle management
- military
- ministry
- multilingual administration
- news and media
- nongovernmental organization administration
- public relations
- publishing
- social work
- teaching and research
- technology industries
- travel and tourism

Additional education or certification may be required for some career paths.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures

<https://silc.asu.edu/degrees/undergrad>

LL 440

[silcadvising@asu.edu](mailto:silcadvising@asu.edu)

480-965-6281

## **Geographic Information Science, BS (LAGISBS)**

**Campus:** Tempe, Online

#### **Program Description:**

Students in the geographic information science BS program begin their study by gaining strong foundational understanding of geographic

information systems, statistical analysis, and computer programming. Students expand on this foundation through upper-division major coursework that enables the pursuit of deeper and more focused understanding of the application of geographic information science technologies to complex environmental and societal issues.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/geographic-information-science-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGISBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates in geographic information science pursue career opportunities in both the private and public sectors. Some of the career opportunities for graduates of the geographic information science BS program include:

- Cartographers and photogrammetrists
- Geographic information system technicians
- Geospatial information scientists and technologists
- Location analysts
- Mapping technicians
- Remote sensing scientists and technologists

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/bsgis>  
COOR 5671  
SGSUP.advising@asu.edu  
480-965-7533

## Geography, BA (LAGCUBA)

**Campus:** Tempe, Online

**Program Description:**

The BA program in geography teaches students to see the world through the twin lenses of space and place.

Geographers have a unique spatial perspective in understanding the modern world, from global to local. The Bachelor of Arts program in geography

emphasizes humanistic and cultural traditions. Students pursuing undergraduate studies in geography typically concentrate knowledge-building in understanding various cultural phenomena or in studying regions such as:

- Africa
- Asia
- Australia and Oceania
- Europe
- Latin America
- North America

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Geography, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-geography/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Geographers obtain careers in:

- community development
- foreign service
- geodemographic analysis
- governmental organizations
- intelligence analysis
- international trade
- nongovernmental organizations
- public sector transportation planning
- teaching
- urban and regional planning

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/undergraduate-degrees/geography>  
COOR 5671  
SGSUP.advising@asu.edu  
480-965-7533

## Geography, BS (LAGCUBS)

**Campus:** Tempe, Online

**Program Description:**

Students in the BS program in geography learn to see the world through the twin lenses of space and place.

Geographers have a unique spatial perspective in understanding the modern world, from global to local. The Bachelor of Science program in geography emphasizes spatial patterns in natural science features such as:

- landforms
- plants
- water
- weather

The degree program also emphasizes social science or environmental science dynamics involving economic patterns, human populations and transportation.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Geography, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-geography/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about

these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

With a focus on geospatial techniques, geographers with a bachelor of science degree go on to careers such as:

- computer cartographers
- environmental impact assessment analysts
- geographic information science specialists and analysts
- geomorphologists
- hydrology and water resource specialists
- location analysts for businesses
- photogrammetry specialists
- remote sensing analysts

Graduates are presented with a host of other geospatial career options in the burgeoning fields of geographic information science, mapping and navigation systems.

### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/undergraduate-degrees/geography-0>  
COOR 5671  
SGSUP.advising@asu.edu  
480-965-7533

## **Geography (Meteorology-Climatology), BS (LAGCUMBS)**

**Campus:** Tempe

### **Program Description:**

The meteorology-climatology concentration under the BS in geography is designed to meet the requirements for certification as a meteorologist by the National Weather Service. It covers dynamic as well as synoptic meteorology.

Required courses include:

- atmospheric physics
- operational weather forecasting
- three semesters of calculus
- two semesters of calculus-based physics

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Substantial

### **Concurrent Degrees:**

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Geography, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUMBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students successfully completing the program have found employment with:

- airlines
- energy power companies
- government agencies
- military (meteorology and pilot training)
- National Weather Service

This program also provides suitable preparation for graduate study in either meteorology or climatology.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/undergraduate-degrees/geography-meteorology-climatology>  
COOR 5671  
SGSUP.advising@asu.edu  
480-965-7533

## Geography (Urban Studies), BS (LAGCUUBS)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

Geographers have a unique spatial perspective in understanding the modern world, from global to local, through the twin lenses of space and place.

The urban studies concentration under the BS program in geography applies the tools of geography to the study of urban areas. Students have an opportunity to focus in particular on the Phoenix metropolitan area and other rapidly urbanizing regions in arid climates. Tied with geographic information science, the urban studies major brings together both knowledge and skill sets in a powerful way.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUUBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students successfully completing the BS program in geography with a concentration in urban studies pursue employment with city planning agencies as well as other government entities at various levels (county, state, federal). The urban studies concentration, especially when combined with a focus on geographic information science, gives graduates an advantage in careers that combine urban planning with GIS and in other jobs dealing with urban issues, including:

- economic development planning
- GIS databases for city governments
- housing issues
- sustainable planning
- transportation

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Geographical Sciences and Urban Planning

<https://sgsup.asu.edu/>

COOR 5671

[SGSUP.advising@asu.edu](mailto:SGSUP.advising@asu.edu)

480-965-7533

## German, BA (LAGERBA)

**Campus:** Tempe

**Program Description:**

Students in the BA program in German study the language, literature and culture of German-speaking people and gain a respectable measure of competence in reading, writing, and oral and aural skills in the German language. Students broaden and deepen their studies with related courses on topics such as:

- art
- government
- history



- international business
- linguistics
- literature and culture
- religion

Students are encouraged to study abroad in Germany as participants in the School of International Letters and Cultures faculty-directed summer program in Regensburg or in one of the academic-year exchange programs available at several German universities. More information on study abroad opportunities is available at <https://mystudyabroad.asu.edu> (<https://mystudyabroad.asu.edu/>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGERBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields in which knowledge of multiple languages and cultures is valued include:

- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hospitality industry
- hotel and resort management

- international education and study abroad administration
- international law
- lifestyle management
- military
- ministry
- public relations
- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
 LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
 480-965-6281

**Global Health, BA (LASSHBA)**

**Campus:** Tempe, Online

**Program Description:**

The BA in global health is a transdisciplinary degree program designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved. Global health is understood in the anthropological sense, meaning ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time and that can integrate knowledge of health's social, historical, biological and ecological dimensions.

The curriculum emphasizes the development of core skills in critical thinking, problem-solving and the importance of direct experience (research, study abroad, service learning and advocacy). The program cultivates capacities to deal with any complex problem with social components: how to identify the critical issues, ask the right questions and create solutions that are meaningful and effective.

Students are required to participate in an approved global health study abroad program.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Health, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-global-health/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=LASSHBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations (such as migrants, minorities and those living in poverty), and many of these jobs are directly or indirectly related to health.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
480-965-6215

## **Global Studies, BA (LASGSBA)**

**Campus:** Tempe, Online

#### **Program Description:**

The BA program in global studies examines the causes and consequences of problems that cross national boundaries and the governance of these problems in social, cultural and economic contexts. The degree program aims to address real-world problems and their solutions. This mission is enabled by an internationally recognized faculty with extensive global experience from a wide variety of disciplines in the social sciences, humanities and law. The global studies program uses teaching, research and public policy activities to address some of the most challenging issues that include:

- built environments
- economic and social development
- global cities and urbanization
- global governance of health and climate change
- justice and human rights
- religious identities, rights and conflicts
- world culture

Global studies faculty members orient their work toward solving global problems by drawing on expertise in diverse disciplines, including:

- anthropology

- economics
- geography
- history
- law
- planning
- political science
- sociology

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Political Science, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-global-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASGSBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A global studies degree prepares students for professional and graduate training (including in law, business and public policy) while providing broad foundational knowledge for future decision-making in government, business and policy entities.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Politics and Global Studies

<https://spgs.asu.edu/>

COOR 6797

[spgs@asu.edu](mailto:spgs@asu.edu)

480-965-8563

**History, BA (LAHISBA)**

**Campus:** Tempe, Online

**Program Description:**

Students pursuing the BA in history study the growth and development of human society from political, social, economic and cultural perspectives. Students learn to craft stories from materials other people have left behind --- constitutions, land deeds, diaries, guns and bones. They learn to make decisions about what to investigate, about whom to believe, about what happened first, and about why things fell apart or came together.

History is a discipline that constantly adopts new techniques of analysis and new ways of gathering and presenting information. Students of history learn to use and create digital media, to perform quantitative as well as qualitative analysis, and to present their findings in compelling ways to all kinds of audiences.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

History, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-history/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHISBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

History majors are in demand. They know how to find and evaluate evidence, form arguments and present analysis --- skills essential to most careers including law, business, education, medicine and government.

Three out of four employers surveyed by the Association of American Colleges and Universities say they want colleges to place more emphasis on helping students develop five key learning outcomes: critical thinking, complex problem-solving, written communication, oral communication and applied knowledge in real-world settings. These learning outcomes are integral elements of an undergraduate degree in history.

History majors seek jobs in:

- business and industry
- communications
- education
- foreign service
- law enforcement
- museums

- public administration
- social services

History is an excellent foundation for graduate and professional studies in:

- business
- history
- justice studies
- law
- medicine
- public administration
- public history
- theology

**Contact Information:**

Liberal Arts & Sciences, The College of  
 Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/163>  
 COOR 3307  
 SHPRSadvising@asu.edu  
 480-965-8364

**History (Secondary Education), BA (LAHISSEBA)**

**Campus:** Tempe

**Program Description:**

The secondary education concentration within the BA in history offers a flexible degree for students who are considering a career in education. The concentration program fully prepares students for teaching and certification. At the same time, the concentration provides all the disciplinary knowledge of a traditional history degree and prepares students for a variety of noneducation careers. By developing strong critical reading, writing and research skills as well as skills in oral presentation, the program creates a solid foundation for graduate work in history, law or business.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHISSEBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The combination of courses within the secondary education concentration offers a broad education that prepares students for careers in a variety of fields, including:

- archival research
- business and industry
- education
- law enforcement
- public history
- publishing
- social work

**Contact Information:**

Liberal Arts & Sciences, The College of  
 Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/166>  
 COOR 3307  
 shprsadvising@asu.edu  
 480-965-8364

**Integrated Studies, BA (LAISTBA)**

**Campus:** Tempe

**Program Description:**

The integrated studies program is a unique and highly focused individualized plan of study for students whose academic interests are not served by more traditional disciplinary pursuits.

Developed for academically superior students whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students the opportunity to work one-on-one with faculty mentors to create a personalized and individually tailored degree plan.

Students who are approved to develop an integrated studies major pursue a focused and coherent course of study that draws its curriculum from more than one academic department or college.

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

Some courses of study require more intensive mathematics coursework to meet prerequisites for certain classes.

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Not available to freshmen. There is an additional application for this degree program. Admission consists of completion of 32 credit hours at ASU with a GPA of at least 3.25, and three letters of recommendation from ASU faculty members. For more information, students should contact the senior director for advising and retention, Office of Student and Academic Programs, Futures Center, Armstrong Hall, Suite 112.

**Change of Major Requirements:**

This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25, and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in the College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling (480) 965-6506.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAISTBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The professional and vocational opportunities provided by the integrated studies major depends on the area of concentration and the particular focus of study. The integrated studies major shares with all other liberal arts and sciences programs in the goal of developing students' analytical abilities and communication skills. The program combines breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry.

Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies at the completion of their undergraduate program.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
Dean, The College of Liberal Arts and Sciences  
<https://thecollege.asu.edu/content/integrated-studies>  
ARM 112  
clas@asu.edu  
480-965-6506

## **Integrated Studies, BS (LAISTBS)**

**Campus:** Tempe

#### **Program Description:**

The integrated studies program is a unique, highly-focused, individualized plan of study for students whose academic interests are not served by more traditional disciplinary pursuits.

Developed for academically superior students whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students the opportunity to work one-on-one with faculty mentors to create a personalized and individually tailored degree plan.

Students who elect and are approved to develop an integrated studies major pursue a focused and coherent course of study that draws its curriculum from more than one academic department or college.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

Some courses of study require more intensive mathematics coursework to meet prerequisites for certain classes.

**Program Math Intensity:** General

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Not available to freshmen. There is an additional application for this degree program. Admission consists of completion of 32 credit hours at ASU with a GPA of at least 3.25, and three letters of recommendation from ASU faculty members. For more information, students should contact the senior director for advising and retention, Office of Student and Academic Programs, Futures Center, Armstrong Hall, Suite 112.

#### **Change of Major Requirements:**

This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25,



and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet these qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in the College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling (480) 965-6506.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAISTBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The professional and vocational opportunities provided by the integrated studies major depend on the area of concentration and the particular focus of study. The integrated studies major shares with all other liberal arts and sciences programs the goal of developing students' analytical abilities and communication skills. The program combines breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry. Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies at the completion of their undergraduate program.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Dean, The College of Liberal Arts and Sciences  
<https://thecollege.asu.edu/content/integrated-studies-0>  
ARM 112  
clas@asu.edu  
480-965-6506

## International Letters and Cultures, BA (LASLCBA)

**Campus:** Tempe

**Program Description:**

The BA in international letters and cultures is a degree program grounded in the advanced study of at least one foreign language. It is more transcultural and transdisciplinary than a traditional languages and literatures degree program and is designed to encourage students to explore and challenge the traditional boundaries of cultures, texts and disciplines. Students work closely with faculty and advisors to choose a program that combines study and research in a minimum of two cultures or disciplines, or in both.

Students must meet with an advisor in the School of International Letters and Cultures to discuss this degree option. It is not recommended for first-year students.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent and media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator and interpreter
- travel professional

Career fields and occupations using languages include:

- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hospitality industry
- hotel and resort management
- international education and study abroad administration
- international law
- military
- ministry
- public relations
- publishing
- technology industries

Additional education and certification may be required for some career paths.

#### **Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
480-965-6281

## **International Letters and Cultures (Arabic Studies), BA (LASLCASBA)**

**Campus:** Tempe

#### **Program Description:**

The BA program in international letters and cultures with a concentration in Arabic studies provides critical and cultural diversity in advanced Arabic language and literature that enriches ASU students' undergraduate experience. The program provides a broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world and prepares students for a thriving job market. The Arabic studies concentration also benefits students interested in academic research and careers in public and diplomatic service as well as in national security. This concentration complements existing degree programs in the School of International Letters and Cultures and enhances studies in social science disciplines such as political science and global studies as well as many humanities fields, including anthropology, history, philosophy and religious studies.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCASBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree in international letters and cultures with a concentration in Arabic studies provides greater insight into the vast Arab world of 22 countries and can lead to career opportunities in areas such as journalism, translation, international consultations, government (e.g., the U.N. and CIA), social work, law and health.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of International Letters and Cultures

<https://silc.asu.edu/degrees/undergrad>

LL 440

[silcadvising@asu.edu](mailto:silcadvising@asu.edu)

480-965-6281

## International Letters and Cultures (Classical Civilization), BA (LASLCVBA)

**Campus:** Tempe

**Program Description:**

Classics is a transdisciplinary field that includes the study of the literature, art, history and philosophy of the ancient Greeks and Romans, subjects which fueled the Renaissance and have continued to provide an intellectual foundation for innovative and influential people ever since.

ASU's BA program in international letters and cultures with a concentration in classical civilization provides a thorough grounding in the culture and history of the ancient Greeks or Romans while allowing students to satisfy their language requirement. The program begins with two cores: an introduction to ancient Greek and Roman literature (read in English translation) and knowledge of ancient history. With that basis, students are allowed to build a program to meet their needs and interests. Among the variety of topics students pursue are:

- ancient history, war, politics and economics
- archaeology of the ancient Mediterranean world
- art and architecture of the ancient Egyptians, Greeks and Romans
- mythology and religious practices of the Greeks and Romans
- thought of figures such as Plato, Aristotle and Lucretius
- use of the classics in today's film, books and other media

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=LASLCVBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

College graduates with a degree in classical civilization have the valuable experience of studying a culture very different from yet lying at the root of the modern world. This gives them a perspective that serves them well in a variety of disciplines. Classical civilization graduates may consider careers in:

- business
- film, television or multimedia
- K-12 education
- law
- public service
- writing and editing (fiction, journalism, technical writing)

Additional education may be required for some career fields.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
480-965-6281

## International Letters and Cultures (Classics), BA (LASLCCBA)

**Campus:** Tempe

**Program Description:**

Classics is the study of the literature, art, history and philosophy of the ancient Greeks and Romans --- a transdisciplinary field that fueled the Renaissance and that has continued to provide an intellectual foundation for innovative and influential people ever since.

The BA program in international letters and cultures with a concentration in classics begins with two cores: language skills in ancient Greek or Latin (or, if the student chooses, both) and knowledge of ancient history. With that basis, students build a program to meet their needs and interests. Among the variety of topics students pursue are:

- ancient history, war, politics and economics
- literary classics such as Homer, Sophocles, Virgil and Ovid

- the archaeology of the ancient Mediterranean world
- the art and architecture of the ancient Egyptians, Greeks and Romans
- the mythology and religious practices of the Greeks and Romans
- the thought of figures such as Plato, Aristotle and Lucretius
- the use of the classics in today's film, books and other media

In addition to the concentration in classics, ASU also offers a classical civilization concentration with a similar focus but different language requirements. Students should consult their advisor and choose the concentration that best meets their needs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCCBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

College graduates with a degree in the classics have developed skills in research and the precise use and analysis of language that will serve them well in a wide range of fields. The transdisciplinary study of a culture very different from the modern world, yet lying at the root of it, also fosters a student's ability to view issues from many angles and think critically about them.

Classics graduates often find careers in:

- business
- Christian ministry
- film, television and multimedia
- law
- politics
- education
- writing and editing (fiction, journalism, technical writing)

As many employers are well aware, a classics graduate has the training to solve difficult puzzles, to see through obscure language and to conduct rigorous research on often ill-defined problems. These skills are prized in any field of endeavor.

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
 LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
 480-965-6281

## Italian, BA (LAITABA)

**Campus:** Tempe

### Program Description:

The BA program in Italian offers students an opportunity to study the literature and culture of Italy while gaining a respectable measure of competence in reading, writing, oral and aural skills in the Italian language. Students broaden their knowledge by completing a number of related courses on topics such as:

- art
- film
- government
- history
- literature and culture
- religion

Faculty-directed summer programs in Italy are available for students who wish to study the language and culture while living in the country. Study abroad programs in various cities in Italy are also available during the academic year.

More information on study abroad opportunities may be found at <https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages> (<https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAITABA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent and media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional

- professor of language, literature and culture
- social services professional
- translator and interpreter
- travel professional

Career fields and occupations in which knowledge of diverse languages and cultures is valuable include:

- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hospitality industry
- hotel and resort management
- intelligence
- international business
- international education and study abroad administration
- international law
- lifestyle management
- military
- ministry
- public relations
- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
 LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
 480-965-6281

## Jewish Studies, BA (LAJSTBA)

**Campus:** Tempe

**Program Description:**

The BA in Jewish studies offers a transdisciplinary, cross-cultural program of study focusing on the study of Judaism, defined as the civilization of the Jews. It considers Jewish history and modern life and facilitates enhanced cultural awareness and global perspective. As with other degree programs in the humanities, a bachelor's degree program in Jewish studies can provide a balance to studies in contemporary science and technology.

Students choose a thematic concentration from history and society, literature and culture, or religion and thought.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=LAJSTBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students who receive a bachelor's degree in Jewish studies and pursue a career with one of the hundreds of U.S. companies that do business in Israel have a competitive edge because of their familiarity with Jewish culture. Jewish studies graduates are also prepared to:

- attend rabbinical seminary in preparation for becoming a community rabbi or chaplain
- engage in world political and economic issues
- pursue advanced education in Jewish professional service fields

The degree also provides a firm foundation for students who wish to pursue advanced degrees related to their area of interest in fields that may include:

- archaeology
- creative writing
- ethics
- film and media
- history
- journalism
- justice studies
- law
- philosophy
- political science
- religious studies

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://jewishstudies.asu.edu/content/jewish-studies>  
COOR 3307  
SHPRSAdivising@asu.edu  
480-965-8364

## Justice Studies, BA (LAJUSBA)

**Campus:** Tempe

**Program Description:**

Justice studies is an innovative social science program examining current social justice issues such as human rights, domestic violence and immigration, against a backdrop of legal systems, law and culture. Students enrolled in the BA program in justice studies also have the opportunity to explore other languages and cultures, giving them the tools needed to communicate and work effectively with people both within and outside the U.S. As so many social justice issues occur across countries and cultures, this equips students with a dynamic knowledge of the world's justice systems and gives them the skills to create meaningful, real-world change.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Justice Studies, MS

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic



departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJUSBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Many graduates go on to law school, graduate school or other professional degree programs. Students emerge from this program with knowledge and skills designed to bring social justice concerns to their professional careers. Program graduates work in a variety of fields, including:

- administration
- business
- economics
- education
- human welfare and social work
- international relations
- law and law enforcement
- nongovernmental organizations
- politics
- public service fields

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Social Transformation

<https://sst.asu.edu/justice-and-social-inquiry>

WILSN 125

SSTadvising@asu.edu

480-965-7682

**Justice Studies, BS (LAJUSBS)**

**Campus:** Tempe, Online

**Program Description:**

Justice studies examines current social justice issues through analyzing the legal system, law and culture and how these impact society. In the BS degree program in justice studies, students use statistics and quantitative application skills to understand social justice issues in diverse settings and working with a variety of people and cultures. The skills gained allow students to create real-world change and think of innovative ways to combat issues, among other things, of human rights, domestic violence and immigration.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Justice Studies, MS

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-justice-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJUSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Many graduates go on to law school, graduate school or other professional degree programs. Students emerge from this program with the knowledge and skills designed to bring social justice concerns to their professional careers. Program graduates work in a variety of fields, including:

- advocacy
- business
- economics
- education
- human welfare and social work
- international relations
- law enforcement and the legal system

- nongovernmental organizations
- politics
- public service fields

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Social Transformation  
<https://sst.asu.edu/justice-and-social-inquiry>  
 WILSN 125  
 SSTadvising@asu.edu  
 480-965-7682

**Mathematics, BA (LAMATBA)**

**Campus:** Tempe

**Program Description:**

Math is the science of problem-solving. Students in the BA degree program in mathematics apply the critical thinking and problem-solving skills they learn to many endeavors, because math is a crucial component in engineering, life sciences, business, economics and social sciences. In the bachelor's degree program in mathematics, students acquire a strong general mathematics background, but retain the flexibility to pursue other areas of interest through a minor or even a second major. Combining a second area of study such as life science, physics, computer science or business creates a powerful combination for future career goals.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Arts program in mathematics includes a foreign language requirement, making this an ideal option for students interested in careers in global business. It is also a top option for international students looking for a general math background. A Bachelor of Arts degree in mathematics can be the springboard for many different careers in fields such as:

- business management
- computer engineering
- financial analysis
- health care

- law
- teaching

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXHR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Mathematics, BS (LAMATBS)

**Campus:** Tempe

**Program Description:**

The BS degree program in mathematics offers a grounding in both theoretical and applied mathematical concepts. Classes cover a broad spectrum of advanced mathematical topics, including differential equations, modeling, numerical analysis, number theory, cryptography and real analysis. Students with a bachelor's degree in mathematics can pursue careers in fields as diverse as computer science, finance, biotechnology, engineering, medical research and education.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Mathematics, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Mathematics is foundational and can be applied to many different types of careers. Math is a crucial part of engineering, life sciences, business, economics and social sciences. Many undergraduate math majors also pursue graduate studies in medicine or law. These are just a few of the top careers possible with a BS in mathematics:

- cryptographer
- engineer

- financial analyst
- mathematician
- operations research analyst
- statistician
- teacher

Students interested in a career in teaching or education may also consider the bachelor's degree in mathematics concentration in secondary education: <https://math.asu.edu/content/mathematics-secondary-education> (<https://math.asu.edu/content/mathematics-secondary-education>).

**Contact Information:**

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 School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
 WXHR A211  
[math@asu.edu](mailto:math@asu.edu)  
 480-965-7195

## Mathematics (Secondary Education), BS (LAMATSBS)

**Campus:** Tempe

**Program Description:**

ASU's BS program in mathematics with a concentration in secondary education provides a new pathway for students interested in teaching. Students acquire strong content knowledge in diverse areas of math and the skills to convey these concepts to others. This degree program offers a deeper mastery of mathematics coupled with the ability to handle the challenges of a high school classroom.

Students who wish to teach at the secondary level take courses preparing them to earn certification in the State of Arizona through this program. By providing a carefully designed curriculum of courses and instructional experiences, the program develops the deep understandings and connections needed to be a highly effective mathematics teacher. Graduates emerge equipped to provide mathematics instruction that is coherent, meaningful and challenging.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

- General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The secondary education concentration provides its graduates the flexibility to apply their knowledge in a variety of ways. It combines the options of a bachelor's degree in mathematics and a bachelor's degree in education with choices ranging from teaching high school mathematics to jobs in diverse fields, such as:

- business
- finance
- industry
- technology

Students can also choose to pursue graduate studies in mathematics or mathematics education.

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
 WXLR A211  
[math@asu.edu](mailto:math@asu.edu)  
 480-965-7195

## Mathematics (Statistics), BS (LAMATTBS)

**Campus:** Tempe

**Program Description:**

In the BS program in mathematics with a concentration in statistics, students learn innovative mathematical, computational and statistical methods to analyze data sets as well as how to use data in real-world applications. Using data analytics, students discover how to generate insights that inform fact-based decision-making. They use cutting-edge techniques to study and understand methods of statistical inference and explore strategies for dealing with uncertainty.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Statistics, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATTBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. Based on factors like pay, growth

and job satisfaction, statistics has been named in separate job reports as one of the best careers for millennials. Data and the analysis of data is big business, and the Department of Labor projects a 25 percent growth in the need for employees trained in data analytics. For students pursuing a bachelor's degree in mathematics with a concentration in statistics, that means an exciting future of career opportunities in fields as diverse as business, finance, engineering, technology, sports, marketing, government and other areas of the economy.

These are just a few of the top career paths you can pursue with a major in this bachelor's degree program:

- actuary
- data scientist
- financial analyst
- market research analyst
- software engineer
- sports statistician
- statistician
- teacher or professor

Students also can combine statistics with other disciplines, such as business or economics, to enhance preparation for their personal career goals.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXMLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Microbiology, BS (LAMICBS)

**Campus:** Tempe

**Program Description:**

The BS program in microbiology combines the study of the branch of biology involving the smallest of living things (bacteria, fungi, algae, protozoa and viruses) and immunology (the study of all aspects of the immune system). Despite their small size, microbes are fundamental to life on Earth and compose the majority of all Earth's life forms. In addition to their essential contributions to the natural world, microbes have been model experimental subjects due to their impact on human health and ease of manipulation in the laboratory. A significant portion of medical research employs microbiological and immunological methods in order to examine basic genetic and biological phenomena.

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biology, MS

Microbiology, MS

Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=LAMICBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The microbiology degree program places emphasis on understanding microorganisms and their interrelationships with other organisms in nature and on the influence of microorganisms in biomedicine and biotechnology. Students in the microbiology degree program will study not only the background and current findings in the field of microbiology but also acquire the critical-thinking skills and the hands-on laboratory and field skills required to succeed in science. The major provides excellent training for premedical, pre dental, preveterinary and prepharmacy students as well as advanced study in microbiology and immunology.

The discipline of microbiology is diverse and the job opportunities for microbiologists are enormous. Graduates with a degree in microbiology have opportunities for employment in:

- government
- hospitals
- industrial laboratories (food, dairy, chemical, pharmaceutical, environmental and biotechnology companies)
- public health laboratories
- research laboratories

Many students are also suitably prepared for admission into graduate school and advanced study in these fields:

- dentistry
- medicine
- pharmacy
- veterinary medicine

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Life Sciences

<https://sols.asu.edu/degree-programs/microbiology>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

## Microbiology (Medical Microbiology), BS (LAMICMBS)

**Campus:** Tempe

**Program Description:**

The medical microbiology concentration serves students in the microbiology BS degree program who aim to pursue careers in health professions, medical microbiology or biomedical research.

The curriculum aligns with the scientific competencies recommended for premed students in a report of the American Medical Colleges and the Howard Hughes Medical Institute Committee and are also reflected in the 2015 changes to the MCAT. Coursework includes many of the courses in the microbiology major, including chemistry, biochemistry, math and physics, with some microbiology courses replaced by cell biology, animal physiology and courses that relate to human biology and society to emphasize core concepts, competencies and critical intellectual skills necessary to succeed in medical school or biomedical research. The concentration includes coursework that students need to prepare for the MCAT or medical school admission.

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).



**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 270 Calculus with Analytical Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biology, MS

Microbiology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMICMBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Upon completing the bachelor's degree program in microbiology with a concentration in medical microbiology, students will have fulfilled the majority of prerequisite requirements and mastered many of the competencies valued by graduate programs in medical, dental and optometry fields and by programs which prepare students to be physician assistants or physical therapists. Additionally, graduates of this program will have a practical understanding of the process of science, preparing them for a career in research. Students will have knowledge of foundational concepts in biological sciences, chemistry, physics and statistics as well as the ability to understand and apply core microbiology concepts. This will prepare students to enter research in a number of areas including, but not limited to, cellular biology, immunology, bacteriology and virology.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

## Molecular Biosciences and Biotechnology, BS (LAMBBBS)

**Campus:** Tempe

**Program Description:**

The BS program in molecular biosciences and biotechnology encompasses many of the cutting-edge disciplines in life sciences research. Biotechnology is an exciting, rapidly growing field with major applications in agriculture (green biotechnology, leading to improved crops or production of vaccines in plants), health care (red biotechnology, leading to better therapeutics, diagnostics and personalized medicine) and industry (white biotechnology, leading to sustainable production of energy, enzymes and chemicals).

This molecular biosciences and biotechnology degree program focuses on the interface between molecular biology and biotechnology. The interface drives major advancements in knowledge and applied research and development, like the development of next-generation biomedical products or biofuels. Hands-on research and the capstone course with both science and business or entrepreneurial components round out this exciting program.

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biochemistry (Medicinal Chemistry), MS

Biology, MS

Microbiology, MS

Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMBBBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The molecular biosciences and biotechnology degree program provides an excellent background and training for a growing number of careers that incorporate this innovative area of the molecular life sciences. Independent research and courses with classroom plus lab components result in a solid base of knowledge and practical expertise in biotechnology and the molecular biosciences, providing many options for further education or for entering the workforce.

After graduation, many molecular biosciences and biotechnology students enter graduate programs in a molecular biosciences and biotechnology-related area. A number of students also enroll in medical school, other health-related professional programs or in other advanced programs. Students also have the knowledge and technical skills to enter the biotechnology workforce in an area matching their expertise and interest.

The molecular biosciences and biotechnology program has a faculty mentoring program which provides students with the opportunity to speak with faculty regarding career choices, selection and timeline of major courses and of independent research projects, and much more.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Life Sciences  
<https://sols.asu.edu/>  
LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
480-727-6277

## Neuroscience, BS (LABMENBS)

### Campus:

### Program Description:

Neuroscience is concerned with understanding the structure and function of the nervous system and its relation to behavior. The field of neuroscience spans all levels of biological analysis, with interfaces to many fields such as mathematics, law and engineering.

The BS degree program in neuroscience consists of rigorous, in-depth training in cellular, molecular and systems biology. With this broad depth of fundamental knowledge, students gravitate toward different areas of specialization in neuroscience. Students are prepared for collaborative and interdisciplinary research and teaching positions in neuroscience. The degree program also enables students to enter biomedical fields that prepare students for careers in medicine, nursing or veterinary medicine and to integrate innovative outcomes from the research community into their practices.

### Additional Program Fee: Y

### Second Language Requirement: N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 265 or MAT 270

### Program Math Intensity: Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Microbiology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Additional Requirements:

This program is currently available only as a concurrent degree to ASU students pursuing other majors.

### Change of Major Requirements:

This program is currently available only as a concurrent degree to ASU students pursuing other majors. For more information on how to add this major as a concurrent degree program, students should contact the department or their academic advisor.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABMENBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The bachelor's degree in neuroscience, especially when paired with complementary programs, prepares students for work in fields such as:

- academic research
- bioengineering

- biotechnology
- medical research
- medicine
- pharmaceutical research and development
- physical rehabilitation
- speech rehabilitation

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Life Sciences  
<https://sols.asu.edu>  
 LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
 480-727-6277

## Philosophy, BA (LAPHIBA)

**Campus:** Tempe, Online

**Program Description:**

The BA in philosophy teaches students how to think well which, in turn, lays the foundation for personal and professional success.

Philosophy students learn how to structure arguments, write precisely and clearly, and communicate their ideas in an orderly, persuasive and unambiguous way. Many philosophical texts are complicated, and philosophy courses teach students how to read, comprehend and summarize conceptually difficult material. In short, studying philosophy trains one to be a better, clearer thinker.

Coursework includes the major subfields of philosophy, such as metaphysics, epistemology and ethics, and electives that connect philosophy to other areas of inquiry, emphasizing the social relevance of philosophy.

Philosophy alumni are well-prepared for leadership roles in whatever path they take, whether it be in business, law, politics, medicine or education.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-philosophy/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHIBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The analytical, rhetorical and writing skills developed through the study of philosophy provide ideal preparation for careers in a wide range of fields, including:

- business
- education
- journalism
- law
- medicine
- public service

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/162>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)

**Campus:** Tempe, Online

**Program Description:**

The BA in philosophy with a concentration in morality, politics and law combines the basic analytical approaches of philosophy with an emphasis on the moral questions that arise in political theory and law. The foundations of our political and legal systems are moral values, such as individual liberty, equality and justice. These are contested values, open to different understandings of their nature and implications.

Students explore the nature of morality, political theory, legal theory and the interconnections between them. Students complete philosophy courses as well as courses from disciplines related to philosophy to enrich and enliven their understanding of the intersections of morality, politics and law. This degree program is of special interest to students planning to pursue postgraduate work in law, policy or politics.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/philosophy-morality-politics-and-law-ba/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHIMPBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for career opportunities in law, policymaking and analysis, politics and intelligence work. For example, graduates may find employment with the U.S. Department of State, the Central Intelligence Agency or the United States Department of Justice. The program is excellent preparation for law school.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/161>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Physics, BA (LAPHYBA)

**Campus:** Tempe

**Program Description:**

Physics is concerned with the nature, structure and interactions of matter and radiation. The BA program in physics provides a flexible and efficient option for students who are interested in a liberal arts degree with broad knowledge of physics. This degree program also is ideal for students seeking to complete two degrees, with physics as the second degree.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHYBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with a BA degree in physics may pursue such careers as:

- health physicist
- lawyer
- medical doctor\*
- patent attorney
- physical therapist
- radiation physicist
- research or lab assistant
- science policy analyst
- secondary science teacher

- technology support analyst

\*requires additional premedical coursework

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of Physics  
<https://physics.asu.edu/content/physics-0>  
PSF 470  
[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)  
480-965-3561

## Physics, BS (LAPHYBS)

**Campus:** Tempe

**Program Description:**

Physics is concerned with the nature, structure and interactions of matter and radiation. The BS degree program in physics provides students a solid foundation in physical science and mathematics, which is also appropriate for further graduate study in physics, other sciences or engineering programs.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHYBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The broad range of applicability of the principles of physics gives the physicist great flexibility in a choice of career or further education. About half of the graduates with a bachelor's degree in physics go on to graduate school in:

- astronomy
- engineering
- medicine

- physics

The other half go directly into employment in areas such as:

- business
- education
- engineering
- materials science

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of Physics  
<https://physics.asu.edu/content/physics>  
PSF 470  
[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)  
480-965-3561

## Physics (Secondary Education), BS (LAPHYSEBS)

**Campus:** Tempe

**Program Description:**

The BS program in physics with a concentration in secondary education provides rigorous training in physics and in education. Physics is the cornerstone of STEM disciplines --- science, technology, engineering and mathematics --- and the shortage of highly qualified physics teachers in every state is an ongoing problem. This concentration is designed to produce more and better qualified physics teachers to meet local and national needs. Students who graduate from this program are recommended by the Mary Lou Fulton Teachers College for certification by the State of Arizona.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHYSEBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the secondary education concentration have the flexibility to select from jobs in diverse fields. The combination of a bachelor's degree in physics and a bachelor's degree in education provides a range of career choices, such as:

- business
- finance
- industry



- secondary education
- technology

Students can also choose to pursue graduate studies in physics or education.

**Contact Information:**

Liberal Arts & Sciences, The College of  
 Department of Physics  
<https://physics.asu.edu/node/276>  
 PSF 470  
[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)  
 480-965-3561

**Political Science, BA (LAPOSBA)**

**Campus:** Tempe, Online

**Program Description:**

The BA program in political science offers a variety of courses and opportunities to study politics and policies at the local, national and global levels. The program aims to provide students with the tools and skills necessary to link theory with real-world problems and issues. By combining coursework in several areas of political science with broad exposure to ASU's liberal arts offerings, the Bachelor of Arts degree in political science seeks to produce well-rounded learners with the research and writing skills useful for success in political or governmental careers, law school, graduate study, business or the nonprofit sector.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Political Science, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-political-science/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPOSBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Many program graduates have found positions in the following:

- Arizona governor's office
- Federal Reserve
- foreign service
- judiciary branch of government
- local and national newspapers
- local, national and global nonprofit organizations
- local, state and national government
- multinational corporations

In addition, some graduates have gone on to other top-tier graduate and professional schools. These students have found a range of employment opportunities in the fields of:

- communication
- education
- foreign service
- journalism
- law
- political science
- public service

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
[spgs@asu.edu](mailto:spgs@asu.edu)  
480-965-8563

## Political Science, BS (LAPOSBS)

**Campus:** Tempe, Online

**Program Description:**

The BS in political science is useful for students who are looking for careers that require analytical thinking and quantitative skills. It offers a variety of courses and opportunities to study politics and public policy at the local, national and global levels. The program aims to provide students with the tools and skills necessary to link theory with real-world problems and issues. By providing experience with the analysis of political statistics, this degree program acquaints students with quantitative application skills. These skills are useful in graduate studies in political science, careers in public policy and other analytical positions in or related to government and politics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Political Science, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the Academic Catalog Archive 2019-2020

program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-political-science/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=LAPOSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Many graduates of this degree program have found positions in:

- Arizona governor's office
- Federal Reserve
- foreign service
- judiciary branches of government
- local and national newspapers
- local, national and global nonprofit organizations
- local, state and national government
- multinational corporations

In addition, some graduates have gone on to other top-tier graduate and professional schools. These students have found a range of employment opportunities in the fields of:

- communication
- education
- foreign service
- journalism
- law
- political science
- public service

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Politics and Global Studies

<https://spgs.asu.edu/>

COOR 6797

[spgs@asu.edu](mailto:spgs@asu.edu)

480-965-8563

## Politics and the Economy, BS (LAPECBS)

**Campus:** Tempe

**Program Description:**

The BS program in politics and the economy prepares students for careers that require a sophisticated understanding of the relationship between politics and the economy. This degree is a response to the growing recognition that many of the world's most pressing problems (e.g., growth and development, tax reforms, and climate change) are fundamentally political and economic problems. The program combines core courses in economics and political science. Utilizing the strengths of both the Department of Economics and the School of Politics and Global Studies, students graduate with strong quantitative and modeling skills and a rich understanding of political context.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All students are required to meet general university admission requirements.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPECBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

According to external forecasters of employment growth (U.S. Department of Labor and the U.S. News & World Report), job opportunities for graduates of the politics and the economy degree program are expected to grow as fast or faster than the average growth of the labor force. They note that the demand for graduates grounded in economics and political science is driven by the growing complexity of the global economy, the increased implementation of financial regulations in wealthier nations and the growing competitiveness of the business environment. In terms of specific sectors, undergraduates are well-prepared for entry positions in government at all levels (local, state and federal), business, economic and political consulting, and law. They are also prepared to pursue advanced degrees in law, business, economics or political science.

**Contact Information:**

Liberal Arts & Sciences, The College of

School of Politics and Global Studies

<https://wpcarey.asu.edu/economics-degrees/undergraduate>

CPCOM 412

wpcareyecn@asu.edu

480-965-3531

## Psychology, BA (LAPGSBA)

**Campus:** Tempe

**Program Description:**

In addition to coursework, the BA in psychology on ASU's Tempe campus offers students the opportunity to work alongside faculty researching exciting new questions. Students are also able to apply their knowledge in internships that help identify and prepare for interesting careers using psychology. The study of psychology prepares students with support and answers not only for the transition into their work lives, but also for other important life roles. The Department of Psychology expects to provide continued support and answers to its graduates to use that foundation of psychology in their own lives as they transition into jobs, careers, marriage and families.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

**Transfer Admission Requirements:**

Transfer applicants must meet university transfer admission requirements.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPGSBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Arts in psychology is designed to prepare students to work in a variety of settings that provide opportunities to apply concepts and principles of psychology. This degree program provides students the opportunity to develop a broad range of highly marketable skills, including analytical skills, writing and public speaking skills, as well as teamwork and leadership skills, which lead to many career opportunities or graduate degrees in academic or clinical psychology or in such fields as counseling, social work, family therapy and law.

**Contact Information:**

Liberal Arts & Sciences, The College of

Department of Psychology

<https://psychology.asu.edu/content/psychology-0>

PSY 202

[psych.advisor@asu.edu](mailto:psych.advisor@asu.edu)

480-965-7258

## Psychology, BS (LAPGSBS)

**Campus:** Tempe

**Program Description:**

In addition to coursework, the BS in psychology on ASU's Tempe campus offers students the opportunity to work alongside world-class faculty researching the brain and behavior. Students can prepare for interesting careers using psychology by working in functioning research laboratories studying the complexities of human and animal behavior. The Department of Psychology is known for providing continued support and answers to its graduates as a foundation for their personal transition into careers, marriage, families and other important life roles.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 270: Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

**Transfer Admission Requirements:**

Transfer applicants must meet university transfer admission requirements.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=LAPGSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students acquire basic knowledge of psychology theory and practice. They develop skills in research analysis, critical thinking and the ability to interact effectively with a range of diverse groups across scientific interests and disciplines. Students are well-positioned for advanced research and graduate study in psychology, the health sciences, law and other graduate level degrees and programs. The Bachelor of Science degree program also prepares students to directly enter into a wide field of career choices.

**Contact Information:**

Liberal Arts & Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/degrees/undergrad>  
PSY 202  
[psych.advisor@asu.edu](mailto:psych.advisor@asu.edu)  
480-965-7258

## Psychology (Psychological Science), BS (LAPGSPSBS)

**Campus:** Tempe

**Program Description:**

In addition to coursework, the BS program in psychology with a concentration in psychological science, on ASU's Tempe campus, offers students the opportunity to work alongside faculty researching exciting new questions. Students are also able to apply their knowledge in internships that help prepare them for interesting careers using psychology.

The Department of Psychology expects to provide its graduates with a foundation of psychology to apply in their own lives, not only for their transition into jobs and careers, but also in marriages, families and other important aspects of life.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences Or MAT 270 Calculus with Analytical Geometry I

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The BS in psychology with a concentration in psychological science is open to students who have:

- completed a BS in psychology critical courses (ENG 101, ENG 102, MAT 251 or MAT 270, PSY 101, PSY 230, PSY 290) with a "C" or better

- earned at least 45 credit hours
- earned at least an ASU 3.00 cumulative GPA

Students must maintain at least a 3.00 cumulative GPA from admittance through graduation.

**Change of Major Requirements:**

GPA Requirement: 3.00

Other Enrollment Requirements: Students must have completed all critical courses for the BS in psychology (ENG 101, ENG 102, MAT 251 or MAT 270, PSY 101, PSY 230, PSY 290) with a "C" (2.00 on a 4.00 scale) or better, and have earned at least 45 earned credit hours.

Students must maintain at least a 3.00 cumulative GPA from admittance through graduation.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrcreditguide/app/transfermap?major=LAPGSPSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in psychology with a concentration in psychological science prepares students who aspire to careers as researchers, teachers or clinicians, or who wish to pursue graduate study. The program is also ideal preparation for professional postgraduate programs in the fields of law and medicine.

**Contact Information:**

Liberal Arts & Sciences, The College of  
 Department of Psychology  
<https://psychology.asu.edu/content/psychology-psychological-science>  
 PSY 202  
[psych.advisor@asu.edu](mailto:psych.advisor@asu.edu)  
 480-965-7258

**Religious Studies, BA (LARELBA)**

**Campus:** Tempe, Online

ASU is not currently accepting applications for this program. Interested students should apply to the concentration in Religion, Culture and Public Life (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LARELCPBA/undergrad/false>) or the concentration in Religion, Politics and Global Affairs (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LARELPGBA/undergrad/false>).

**Program Description:**

Religion is an important part of human experience. Religious understanding informs and shapes politics, literature, philosophy, art and science as well as the daily life of millions around the globe. An understanding of religious traditions is critical to understanding our shared past and present and to navigating toward our shared future.

Students who pursue the BA in religious studies come from a wide diversity of faiths, cultural backgrounds and intellectual interests. What many find fascinating and exciting about religious studies is that it draws from a wide variety of disciplines --- history, philosophy, anthropology, literature, political science and theology, to name a few. Course offerings reflect a diversity of approaches (historical, anthropological, ethical and theological), regions (North America, South America, Europe, Middle East, Africa, South Asia and Southeast Asia) and traditions (Buddhism, Christianity, Hinduism, Islam, Judaism and Native American traditions).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. ([https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-religious-studies?utm\\_source=asu&utm\\_medium=degree-search&utm\\_campaign=asu](https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-religious-studies?utm_source=asu&utm_medium=degree-search&utm_campaign=asu))

#### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARELBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Students interested in careers in local, state, regional and national communities find transdisciplinary encouragement and support in the Bachelor of Arts degree program in religious studies. Students who are attracted to international study find the undergraduate program rich in multicultural coursework and study abroad opportunities. Religious studies students find many opportunities for practical experience leading to careers in the academic study of religion, in public service, in governmental and nongovernmental agencies, and in professional careers in a variety of organizations, including all of the helping professions.

Religious studies graduates have gone on to careers in such fields as diplomacy, development and teaching. Other students have pursued professional degrees in areas such as law, public policy and counseling.

#### Contact Information:

Liberal Arts & Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/node/159>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Religious Studies (Religion, Culture and Public Life), BA (LARELCPBA)

**Campus:** Tempe, Online

#### Program Description:

The BA in religious studies with a concentration in religion, culture and public life approaches religion as a mode of human culture, as constituted in intellect, language, emotion, practice, art and everyday life.

The program focuses on the role religions play in the formation of cultural identities, traditions, norms and memories, and it examines in particular the impact religions have on culturally specified ways people reason, communicate, socialize, work, entertain, dress, eat, live and die. Special consideration is given to the influence of religion on gender roles and sexual norms; the formation of images of the body and the moral assessment of medical practices; and the reflection and reproduction of religion in film, popular culture, and conventional, digital and social media.

The concentration addresses present-day interests and prepares students for jobs in a variety of professions, including education, journalism, media studies, gender studies, health care, politics, law, education, migration and international studies.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics



## **Program Math Intensity:** General

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/religious-studies-religion-culture-and-public-life-ba/>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARELCPBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Religious studies majors seek jobs in many professional areas, including:

- chaplaincy
- diversity management
- education
- foreign service
- health care
- journalism
- law
- mental health and counseling
- nonprofit organizations
- nongovernmental organizations
- public policy
- public service
- publishing

Religious studies is an excellent foundation for graduate and professional studies in:

- anthropology
- gender studies
- health care
- history
- law
- justice studies
- philosophy
- political science
- sociology
- theology

### **Contact Information:**

Liberal Arts & Sciences, The College of

Historical, Philosophical & Religious Studies, Sch

<https://shprs.asu.edu/content/religious-studies-religion-culture-and-public-life>

COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Religious Studies (Religion, Politics and Global Affairs), BA (LARELPGBA)

**Campus:** Tempe

### Program Description:

The BA program in religious studies with a concentration in religion, politics and global affairs considers how the study of religion expands the understanding of political culture, communal formation, governance, nationalism, statehood and citizenship in both domestic and global contexts. Students explore the role religion has in shaping political values, social movements, civic organizations and communal norms, with particular attention on how religion impacts issues of health, the environment, migration, peace, conflict, violence and various issues of social justice. Special consideration is given to the religious intersections of nationality, ethnicity, race, gender and other vital facets of human community and identity.

### Additional Program Fee:

 Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARELPGBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Religious studies majors seek jobs in many professional areas, including:

- chaplaincy
- diversity management
- education
- foreign service
- health care
- journalism
- law
- mental health and counseling
- non-profit organizations
- non-governmental organizations
- public policy
- public service
- publishing

Religious studies is an excellent foundation for graduate and professional studies in:

- anthropology
- gender studies

- health care
- history
- law
- justice studies
- philosophy
- political science
- sociology
- theology

**Contact Information:**

Liberal Arts & Sciences, The College of  
 Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/content/religious-studies-religion-politics-and-global-affairs>  
 COOR 3307  
 SHPRSadvising@asu.edu  
 480-965-8364

## Russian, BA (LARUSBA)

**Campus:** Tempe

**Program Description:**

The BA program in Russian offers students a unique opportunity to study the language, literature and culture of Russia. Students in the program gain intermediate to advanced reading, writing, and oral and aural Russian language skills.

The Russian language program also partners with the Melikian Center to offer a transdisciplinary baccalaureate certificate in Russian, Eurasian and East European Studies for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Students of Russian are encouraged to take advantage of an ASU exchange program in Russian language and translation by spending a semester or year in Moscow, St. Petersburg or Kazan. For more information, students should visit <https://mystudyabroad.asu.edu/> (<https://mystudyabroad.asu.edu/>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARUSBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Despite the fall of the Soviet Union, Russia has remained an active player in world affairs. Russia's continued presence on the current international

stage makes knowledge of Russian language and culture a valuable asset for students interested in government, diplomacy and international affairs and commerce. Knowledge of multiple languages and intercultural competencies enhance any occupation and offers graduates many career opportunities.

Career fields and occupations using languages include:

- administration of nongovernmental organizations
- advertising and marketing
- airlines
- cultural advisor
- diplomatic and foreign service
- domestic and international business
- film, television and multimedia
- foreign correspondent and journalist
- hotel and resort management
- intelligence
- international banking
- international education and study abroad administration
- international law
- interpreting and translation
- medicine and health professions
- military
- ministry
- public relations
- publishing
- social work
- teaching and research
- travel and tourism
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Sociology, BS (LASOCBS)

**Campus:** Tempe, Online

**Program Description:**

Sociology is the study of social life, social change and the social causes and consequences of human behavior. The BS program in sociology offers courses on contemporary social issues that range from crime to population trends. Sociology courses also explore social institutions such as family, education, religion and the workplace. Students develop proficiency in written communication, computer skills, statistical analysis and research methodology.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-sociology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASOCBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

An undergraduate degree in sociology provides excellent preparation for future graduate work in:

- law
- medicine and counseling
- social work
- sociological research

The degree also prepares undergraduates for direct entry into positions in:

- business
- government
- social service

**Contact Information:**

Liberal Arts & Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu/>  
SS 144  
advisor@asu.edu  
480-965-6978

## Spanish, BA (LASPABA)

**Campus:** Tempe, Online

**Program Description:**

Students pursuing a BA degree in Spanish have the opportunity to gain reading, speaking and writing proficiency in the language. The Tempe campus program offers two study options: the Spanish linguistics track and the Spanish literature and culture track.

The linguistics track provides an in-depth understanding of the Spanish language while the literature and culture track addresses issues throughout the Spanish-speaking world as seen through the lenses of Spanish language, culture and literature.

A Bachelor of Arts in Spanish is also available for ASU Online students; it combines courses from both the linguistics track and the literature and culture track.

Students are encouraged to contact a school advisor to discuss which option is best for them. Throughout the year, through study abroad and exchange programs, ASU offers opportunities to study in countries in which Spanish is spoken. More information regarding study abroad opportunities is available at <https://mystudyabroad.asu.edu/> (<https://mystudyabroad.asu.edu/>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Spanish, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-spanish/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASPABA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international business
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields in which knowledge of diverse languages and cultures is valuable include:

- advertising, marketing or communications
- airline industry
- film, television or multimedia
- hospitality industry
- hotel and resort management
- intelligence
- international education and study abroad administration
- international law
- military
- ministry

Additional education or certification may be required for some career paths.

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of International Letters and Cultures  
<https://thecollege.asu.edu/content/spanish>  
 LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
 480-965-6281

## Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)

**Campus:** Tempe

**Program Description:**

The BA program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latina/o populations in the United States and the U.S.-Mexico transborder region. Students explore the complexities of the Chicana/o and Latina/o experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the media and expressive culture concentration, students focus their study on the cultures of Latina/o communities. Students learn about the cultural diversity of Chicana/o, Mexican, Puerto Rican, Cuban, Dominican, Central American and other Latina/o populations in the United States and their contributions to the arts by analyzing:

- film and the media
- history
- literature (novels, short stories, poetry)
- performance
- visual art

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLMBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The media and expressive culture concentration equips students with analytical and communication skills vital to the pursuit of graduate work and various career paths including:

- education (administration and teaching)
- film and media
- law
- local, state and national government agencies
- nonprofit organizations
- public policy and administration
- social work
- the arts

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Transborder Studies

<https://sts.asu.edu>

INTDSB 165

[sts.undergrad@asu.edu](mailto:sts.undergrad@asu.edu)

480-965-5091

## Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)

**Campus:** Tempe

**Program Description:**

The BA degree program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latina/o populations in the United States and the U.S.-Mexico transborder region.



Students understand the complexities of the Chicana/o and Latina/o experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the transborder community development and health concentration, students focus their learning on the health inequalities and issues affecting Mexican-origin, Chicana/o and Latina/o communities. Students also develop an understanding of the relationship between the places where people live, play, work and heal and the impact they have on people's health and well-being. Overall, students are able to design, implement and evaluate community-based health programs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLTBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The transborder community development and health concentration equips students with theoretical and practical knowledge necessary for graduate

work in professional fields such as law and medicine, as well as entry-level positions in:

- education (administration and teaching)
- local, state and national public and private health services
- nonprofit organizations
- public affairs
- public health
- public policy and administration
- social work

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Transborder Studies

<https://sts.asu.edu/>

INTDSB 165

[sts.undergrad@asu.edu](mailto:sts.undergrad@asu.edu)

480-965-5091

## Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)

**Campus:** Tempe

**Program Description:**

The BA degree program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latina/o populations in the United States and the U.S.-Mexico transborder region. Students explore the complexities of the Chicana/o and Latina/o experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the U.S. and Mexican regional immigration policy and economy concentration, students focus their studies on policies and social practices contributing to the growing political and economic influence of Latinos in the U.S. and the U.S.-Mexico region. Students will develop an understanding of the role of:

- border enforcement
- demographic change
- economic integration
- globalization
- immigration policy
- international migration
- regional development

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLUBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The U.S. and Mexican regional immigration policy and economy concentration equips students with skills and knowledge necessary for graduate work in fields such as law, as well as career opportunities in:

- education (administration and teaching)
- local, state and national government agencies
- public affairs
- public policy and administration
- social work and nonprofit organizations

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Transborder Studies  
<https://sts.asu.edu/>  
INTDSB 165  
[sts.undergrad@asu.edu](mailto:sts.undergrad@asu.edu)  
480-965-5091

## Urban Planning, BSP (ARPUPBSP)

**Campus:** Tempe, Online

**Program Description:**

The urban planning program introduces students to issues faced by urban areas and the tools necessary to address them. Urban planners guide communities in making wise decisions about their use of land and resources. The BSP program in urban planning provides students with expertise in both the analysis and the synthesis of the physical, social, political and economic issues that shape urban and regional development. Planning includes:

- computer and research methods
- environmental impact assessment
- geographic information systems
- housing

- landscape architecture and urban design
- planning and zoning law
- public policy formulation and administration
- transportation
- urban and development economics
- utilities

Students take courses that include:

- comprehensive planning
- computer and analytical methods
- planning law
- public policy formulation and administration
- site planning
- socioeconomic and environmental analyses
- urban design

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-urban-planning/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARPUPBSP~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of urban planning pursue career opportunities with private planning firms and governmental planning agencies, mainly at the city level, but also with county, state and federal entities. Some planners elect to pursue graduate degrees to develop specialty skills and to enhance their opportunities for career advancement. The urban planning degree, especially when combined with a focus on geographic information science, gives graduates an advantage in careers that combine urban planning with GIS and in other jobs dealing with urban issues, including:

- comprehensive and long-range planning

- economic development planning
- housing issues
- planning law
- public participation in the planning process
- socioeconomic and environmental analyses
- sustainable planning
- transportation

**Contact Information:**

Liberal Arts & Sciences, The College of  
 School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/undergraduate-degrees/urban-planning>  
 COOR 5671  
 SGSUP.advising@asu.edu  
 480-965-7533

## Women and Gender Studies, BA (LAWSTBA)

**Campus:** Tempe, Online

**Program Description:**

Through coursework and scholarly research, students in the BA program in women and gender studies gain critical knowledge and a deep understanding of feminist theory and practice. Students are offered the opportunity to challenge conventional wisdom about gender and explore new ways of viewing the world through the study of:

- culture
- economics
- film
- history
- literature
- politics
- science

Internship and leadership opportunities allow students to pursue career goals in business, government or nonprofit organizations.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-women-and-gender-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAWSTBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The women and gender studies degree program prepares students for many different career opportunities upon graduation. Graduates of the program are also well prepared for graduate and law school and have been admitted to prestigious programs.

Graduates have:

- become consultants and counselors
- become lawyers
- become teachers
- created businesses
- secured careers in public relations
- worked in nonprofit organizations and agencies serving women and girls
- worked in policy and government

**Contact Information:**

Liberal Arts & Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/women-and-gender-studies>  
WILSN 125  
SSTadvising@asu.edu  
480-965-7682

## Nursing and Health Innovation, Edson College of

### Applied Science (Health Entrepreneurship and Innovation), BAS (NUHCIBAS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The BAS with a concentration in health entrepreneurship and innovation is designed for students with an AAS degree who want to lead transformative change in health through the creation of new products, processes and systems.

Students have the opportunity to examine current evidence-based practice and health care policy through a lens of innovation using an integrated systems perspective, and they hone the skills necessary to be a leader of innovation in a health care context.

Students with health-related backgrounds who would like to learn more about innovation and leadership within health care organizations may be interested in the health entrepreneurship and innovation concentration. Students with an Associate of Applied Science degree in business or a related field may also have interest if they have employment experience in the health industry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:**

Any math course with the MA general studies designation will satisfy the math requirement.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students must have an Associate of Applied Science from a regionally accredited institution to be eligible for admission to BAS in applied science programs at Arizona State University.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/health-innovation-bas/>)

**Change of Major Requirements:**

Students with an Associate of Applied Science degree in health, business or a related field are eligible to change their ASU major to this applied science program (health entrepreneurship and innovation).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCIBAS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Primary career opportunities include health care administrators and health care managers as well as:

- entrepreneurs
- health architects
- health care administrator
- health care strategists, advisors, project managers and administrators
- health innovation consultant
- health product and service managers
- health system designers
- intrapreneurs --- managers responsible for promoting innovative product development and marketing
- public relations experts in health

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/bas/applied-science-health-entrepreneurship-and-innovation>

HLTHN 113

[asu.hci@asu.edu](mailto:asu.hci@asu.edu)

602-496-0937

## Community Health, BS (NUCHLTBS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The BS program in community health develops leaders who are dedicated to addressing health challenges at their source while also creating partnerships to leverage resources. This program is designed for students who want to create healthy, sustainable communities.

Community health professionals work in partnership to address health needs of diverse populations. Students learn to advocate for diverse

individuals, families and communities; provide health education, health promotion and service coordination; and understand the components of a healthy, sustainable community.

Graduates of this program provide health education, health promotion, care coordination, disease management, health care navigation and advocacy services for individuals, families and communities.

This degree program has the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-community-health/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUCHLTBS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates may obtain employment as:

- community health managers
- community health outreach specialists
- health care coordinators
- health care navigators
- health educators
- health promotion evaluators
- health services administrators

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/community-health>  
HLTHN 113  
asu.ch@asu.edu  
602-496-0937

## Health Care Compliance and Regulations, BS (NUHCCRBS)

**Campus:** Downtown Phoenix, West, Online



**Program Description:**

The BS program in health care compliance and regulations is the first undergraduate degree program in the U.S. dedicated to the education and training of compliance specialists in the health care environment. This program offers students the opportunity to learn best practices from business, regulatory, ethics and the medical industry to channel into a career in health care compliance.

This program is ideal for anyone interested the ethical, regulatory and business sides of the health care industry. Program areas of emphasis:

- accreditation standards, auditing and policies
- current billing and coding procedures
- understanding compliance policies, laws and regulations

**Additional Program Fee:** Y**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/health-care-compliance-and-regulations-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCCRBS-null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates may be employed as:

- compliance analysts
- ethics and compliance officer
- health care or hospital compliance officer
- health care or hospital compliance specialist
- health care or hospital regulatory affairs specialists
- health privacy officers
- HIPAA compliance specialists
- integrity officers
- internal auditor
- medicare compliance analyst
- medicare compliance specialists
- privacy analyst
- regulatory compliance specialists

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/health-care-compliance-and-regulations>  
HLTHN 113  
asu.hccr@asu.edu  
602-496-0937

## Health Care Coordination, BS (NUHCCOBS)

**Campus:** Downtown Phoenix, West, Online

### Program Description:

The BS program in health care coordination prepares students to effectively coordinate resources to optimize individual health outcomes.

Through coursework, students build a thorough understanding of health care systems, community and public health, community resources, health education and health advocacy.

Key program areas of emphasis:

- patient advocacy and education
- resources available from community and public health services
- role of health policy and financing in modern health care

Graduates of the program are prepared to work with an interdisciplinary team to utilize resources, provide health education and advocate for the patient when it is needed the most.

This degree program uses the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-care-coordination/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCCOBS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of this program provide health care coordination, health advocacy and health education services to individuals and families. Program graduates may obtain employment as:

- care coordinatorscommunity health specialists
- health advocates
- health care coordinators
- health care navigators
- health educators
- health resource managers

**Contact Information:**

Nursing and Health Innovation, Edson College of  
 Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/health-care-coordination>  
 HLTHN 113  
 asu.hcc@asu.edu  
 602-496-0937

**Health Entrepreneurship and Innovation, BS (NUHCIBS)**

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The BS program in health entrepreneurship and innovation provides students with a broad background in the principles of innovation, leadership, complexity science, change theory, collaboration and evidence-based decision-making to prepare graduates to manage implementation of innovation in the health care arena.

Through the use of evidence-based decision-making and leadership skills in interprofessional teams, graduates are ready to tackle health care challenges using modern technology, public policy and communication. This unique program situates students at the intersection of innovation and entrepreneurship, enabling them to develop their own solutions to health challenges.

Program areas of emphasis:

- develop competence in the design, application and testing of innovative processes and products
- incorporate current trends with interprofessional teams
- lead processes of innovation and transformation

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://students.asu.edu/freshman/requirements>)  
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
 International (<https://students.asu.edu/international/future>)  
 Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/health-innovation-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCIBS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates may be employed as:

- entrepreneurs
- health architects
- health care administrator
- health care strategists, advisors, project managers and administrators
- health innovation consultant
- health product and service managers
- health system designers
- intrapreneurs --- managers responsible for promoting innovative product development and marketing
- public relations experts in health

#### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/bs/health-entrepreneurship-innovation>  
HLTHN 113  
[asu.hci@asu.edu](mailto:asu.hci@asu.edu)  
602-496-0937

## **Integrative Health, BS (NUIHLTBS)**

**Campus:** Downtown Phoenix, West, Online

#### **Program Description:**

The BS program in integrative health provides a foundation in integrative health, a holistic approach to wellness that focuses on the mind, body and spirit. The program provides students with a foundation of innovative and interprofessional approaches to serving and supporting diverse populations.

Students learn to differentiate the ethics, legalities and standards of practice of integrative health and to think critically about different therapies, modalities and practitioners. Coursework and experiences include an emphasis on research and evidence-based practices and gaining an understanding of the historical and cultural foundations of the integrative health field.

Students learn to understand the ethics, legalities and standards of practice of integrative health; think critically about different therapies, modalities and practitioners; and develop a holistic approach to wellness that focuses on the mind, body and spirit.

This degree program has the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the Academic Catalog Archive 2019-2020

program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-integrative-health/>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=NUIHLTBS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates are qualified for a career as a patient representative for integrative health, which involves assisting patients in obtaining services and in understanding policies, and in making health care decisions regarding integrative health.

Graduates may be employed in hospitals, doctor offices, wellness and fitness centers, as well as holistic centers. Program graduates may obtain employment as:

- health educators
- health services administrators
- health specialists
- office managers
- program managers
- project directors

#### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/integrative-health>  
HLTHN 113  
asu.ih@asu.edu  
602-496-0937

## **Nursing, BSN (NUNURDBSN)**

**Campus:** Downtown Phoenix, ASU@The Gila Valley, Online

#### **Program Description:**

Through a curriculum centered upon evidence-based practice, clinical reasoning, innovation, interprofessional communication and information technology, the BSN degree program prepares students to provide high-quality professional nursing care. The Bachelor of Science in Nursing may be earned through several unique pathways.

##### **Traditional Prelicensure Nursing Program**

The traditional prelicensure clinical nursing program is a full-time, upper-division nursing program designed for students who wish to become a registered nurse by completing a Bachelor of Science in nursing. The program has three start dates per year --- spring, summer and fall and may be completed in a 16-month year-round schedule or a 24-month academic year schedule. Graduates are eligible to sit for the National Council Licensure Examination to gain licensure as a registered nurse.

Students advance into the program in one of two ways: direct admission or the competitive advancement process. Direct admission is offered to incoming first-time freshman who meet specific admission criteria. Students admitted directly must meet continuing eligibility criteria while attending ASU to advance into the upper-division nursing program. Directly admitted nursing students who do not meet continuing eligibility criteria, transfer students or ASU students who are changing majors may apply for advancement to the upper-division nursing program by competing for any remaining spaces. More information can be found at: <https://nursingandhealth.asu.edu/programs/bsn/traditional> (<https://nursingandhealth.asu.edu/programs/bsn/traditional>).

##### **Postbaccalaureate Clinical Nursing Program**

The postbaccalaureate clinical nursing program is a full-time, 12-month upper-division clinical nursing program designed for students with a bachelor's degree in another discipline who wish to become a registered nurse by completing a BSN. Selection is competitive and students start the

program in the spring semester.

Students pursuing advancement to the postbaccalaureate clinical nursing program complete prerequisite coursework and apply for advancement to the program. Graduates are eligible to sit for the National Council Licensure Examination to gain licensure as a registered nurse. More information can be found at: <https://nursingandhealth.asu.edu/programs/bsn/postbaccalaureate> (<https://nursingandhealth.asu.edu/programs/bsn/postbaccalaureate>).

#### Online RN to BSN Program

The online RN to BSN program is available online to students who have earned an associate degree in nursing and have a current RN license in good standing with the state board of nursing. The RN to BSN program courses are offered online in 7.5-week sessions and can be completed in 14 to 24 months. There are five starts per year: two in the fall, two in the spring and one in the summer. Assignments may include readings, discussions, papers, presentations and practical application activities completed wherever the student resides.

Transfer pathway agreements are in place with all community colleges in Arizona, which provide additional benefits to students. The RN to BSN program does not have approval from the Boards of Nursing in Tennessee, Rhode Island or Washington to be offered to RNs licensed in those states. More information can be found at [https://asuonline.asu.edu/rnbsn?utm\\_source=nursing-journal&utm\\_medium=print&utm\\_campaign=Now2](https://asuonline.asu.edu/rnbsn?utm_source=nursing-journal&utm_medium=print&utm_campaign=Now2) ([https://asuonline.asu.edu/rnbsn?utm\\_source=nursing-journal&utm\\_medium=print&utm\\_campaign=Now2](https://asuonline.asu.edu/rnbsn?utm_source=nursing-journal&utm_medium=print&utm_campaign=Now2)).

#### Concurrent Enrollment Program

The concurrent enrollment program pathway is offered through participating community colleges. This program is designed for qualified nursing students who are interested in earning their Bachelor of Science in nursing while simultaneously pursuing their associate degree in nursing. Selected students enroll in the community college program and the ASU RN to BSN courses at the same time (concurrently). RN to BSN courses taken at ASU are delivered in an online format. More information can be found at <https://nursingandhealth.asu.edu/programs/bsn/cep> (<https://nursingandhealth.asu.edu/programs/bsn/cep>).

#### Eastern Arizona College Partnership

The ASU and Eastern Arizona College partnership has two options: the concurrent enrollment program and the RN to BSN. The concurrent enrollment program is designed for qualified students pursuing an Associate of Applied Science in nursing from EAC while simultaneously earning a Bachelor of Science in Nursing from ASU. Another option allows students with an associate degree or diploma in nursing to pursue the ASU BSN at Eastern Arizona College on the Thatcher campus. Courses in this program are delivered in a hybrid format on the Thatcher campus. More information can be found at <https://nursingandhealth.asu.edu/admissions/eastern-arizona-college> (<https://nursingandhealth.asu.edu/admissions/eastern-arizona-college>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Additional Requirements:

The admission standards for majors in the Edson College of Nursing and Health Innovation are higher than minimum university standards.

Freshmen admission requirements: top 25 percent of high school graduating class OR 3.30 GPA in ASU competency courses (based on 4.00 grading scale) AND either a 24 ACT combined score OR 1170 SAT combined evidence-based reading and writing plus math score.

Freshmen should select an additional major when applying for admission.

English language proficiency for applicants whose native language is not English:

- minimum score of 540 (paper-based), 207 (computer-based), or 76 (internet-based) on the Test of English as a Foreign Language (TOEFL)
- minimum overall band of 6.5 with no band below 5.5 on the International English Language Testing System (IELTS).

Students not admissible directly to the BSN Nursing program will be placed into the BS program in community health.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nursing-rn-bsn/>)

**Change of Major Requirements:**

Current ASU students interested in changing to this program would need to apply for the upper division clinical nursing program through an advancement application process. Space is limited, and selection is based upon GPA and score earned on the TEAS. Students should speak with an advisor in the College of Nursing and Health Innovation for more information on how to change a major to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=NUNURDBSN-null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates deliver nursing care to individuals, families and communities. Completion of this degree program also prepares individuals for entrance into graduate study in nursing at the master's or doctoral degree levels, which is essential for teaching, administration, clinical specialization and research.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/bs/nursing>  
HLTHN 113  
[conhi\\_undergrad@asu.edu](mailto:conhi_undergrad@asu.edu)  
602-496-0937

## Public Service and Community Solutions, Watts College of

### Applied Science (Emergency Management), BAS (PPEMGBAS)

**Campus:** Downtown Phoenix

**Program Description:**

The BAS program with a concentration in emergency management is a flexible, 60 credit hour degree program.

The curriculum is designed specifically for students who have earned an AAS; students applying to this program must have completed an Associate of Applied Science from a regionally accredited institution.

The required capstone class provides experience to students through coordinated internships.

This program is not available to freshmen.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

**Change of Major Requirements:**

A current ASU student must have completed an Associate of Applied Science from a regionally accredited institution to change to this major.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPEMGBAS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The degree in emergency management opens the door to a challenging career as a professional emergency manager. The advancement of technology has created the potential for more devastating disasters than ever before. As a result, there is an increasing demand for emergency managers who have a solid foundation in scientific and technical disciplines as well as management skills.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://spa.asu.edu/emergencymanagement>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Community Advocacy and Social Policy, BA (PPCASPBA)

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The BA program in community advocacy and social policy focuses on advocacy strategies through an in-depth exploration, analysis and comparison of social service systems and policies from an empowerment perspective. Examining the needs of individuals, families and communities that have been historically under-served is the program emphasis. Policy analysis and social change are critical themes in developing an advocacy knowledge base as are the equally important themes of prevention and social well-being. Students complete courses in two core areas: diversity and oppressed populations and social issues and interventions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)



**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-community-advocacy-and-social-policy/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCASPBA~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates will be prepared for employment in the social services arena, such as performing basic case management (benefit processing or certification); staffing hotlines or warmlines; referral, recruitment and volunteer coordinator positions; and prevention and education. In addition, advocate positions are part of many organizations such as hospitals and the behavioral health system. This degree program also prepares students to pursue graduate education.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work

<https://socialwork.asu.edu>

UCENT 800

[social.work@asu.edu](mailto:social.work@asu.edu)

602-496-0800

## Community Sports Management, BS (PPCSMBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in community sports management focuses on preparing individuals with an interest in managing sport programs and activities for children, youth, adults and seniors in nonprofit, municipal and for-profit organizations. The program emphasizes the many roles community sport plays within the community including as a mechanism to improve overall quality of life, youth development, sport tourism and community development. Both program delivery and managerial functions are targeted. Specific areas of opportunity include work with youth sports, adaptive sports, sports tourism, sport events and adult recreational sports.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCSMBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Numerous career opportunities exist within community sports. Sport programs for youth and adults are offered by city parks and recreation departments, nonprofit organizations such as the Boys & Girls Club or the YMCA and local nonprofit and for profit sport clubs. In addition, many communities have sport tourism organizations and sport programs offered through adaptive or therapeutic sports programs such as Special Olympics, Wounded Warriors Project, and Ability 360.

Possible positions for graduates of this major include sport supervisors, programmers, and managers in local park and recreation departments, not for profit organizations (e.g., YMCA, Boys & Girls Club) as well as community relations and programming positions with professional and local sport organizations.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Community Sports Management (Events), BS (PPCSMEBS)

**Campus:** Downtown Phoenix

**Program Description:**

The goal of the events concentration within the BS in community sports management degree is to expand students' expertise in the events field and create experts in event planning at the community sports sector. This concentration allows community sports management majors to focus their electives in a cohesive way, thus providing a solid foundation from which to develop and produce events that contribute to the economic development and social capital stemming from sports, a driving force in Arizona and the metro Phoenix area.

**Additional Program Fee:** N

**Second Language Requirement:** N

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCSMEBS-null + &college=CPP>) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students with a background in managing community sports events can find employment with parks and recreation departments, nonprofit organizations, morale welfare and recreation departments in the armed forces, campus recreation departments, private sports organizations, and health and fitness clubs.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/degree-programs>  
UCENT 550  
scrd@asu.edu  
602-496-0550

## Criminology and Criminal Justice, BS (PPCRIMJBS)

**Campus:** Downtown Phoenix, West, ASU@Lake Havasu, ASU@Yuma, Online

**Program Description:**

The BS program in criminology and criminal justice is for students who want to understand the causes of crime, the role of criminal justice agencies in the control of crime and the consequences of crime.

Students learn sociological, psychological, biological and economic explanations for individual crime as well as differences in crime across neighborhoods, states, countries and over time. They also learn about the history, legal issues and current practices of crime control via police agencies, the court system, prisons, probation and parole.

These topics are delivered by top-ranking research faculty who offer students hands-on research opportunities and by experienced criminal justice professionals with intimate knowledge of the daily realities of crime and criminals. Students are encouraged to take advantage of internship opportunities in more than 200 agencies, study abroad programs and flexible course scheduling offered in-person, online and across multiple campuses.

Students interested in completing the Bachelor of Science program in Yuma are encouraged to complete a TAG program. Admission requirements are below.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Criminal Justice, MA

Criminology and Criminal Justice, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Transfer Admission Requirements:

Yuma Students: ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in criminology and criminal justice, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Science in criminal justice and criminology. Upon completion of the TAG, students will complete the remaining requirements for ASU's bachelor's degree program. Visit <https://transfer.asu.edu> (<https://transfer.asu.edu/>) for more information about ASU degrees offered at local community colleges.

This program may also accept transfer credit in lieu of a TAG agreement. Please contact the department for details.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-criminology-and-criminal-justice/>)

#### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCRIMJBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Graduates of the criminology and criminal justice program find a strong job market in the public and private sectors. Employment opportunities exist in:

- bank fraud
- corrections
- courts
- domestic terrorism
- federal agencies
- homeland security
- law enforcement
- legal offices
- parole offices
- private security
- probation offices
- victim advocate agencies

Graduates also may pursue advanced degrees in law, criminology and criminal justice, and other social science disciplines.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu/>  
UCENT 600  
SCCJAdvising@asu.edu  
602-496-2356

## Nonprofit Leadership and Management, BS (PPNLMBS)

**Campus:** Downtown Phoenix

#### Program Description:

Through the BS program in nonprofit leadership and management, students are empowered to become successful professionals who work to advance the quality of life in communities. The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public, business and commerce sectors. With more than 1.6 million organizations in the U.S., the

sector employs more people than the finance, insurance and real estate industries combined.

Philanthropy (voluntary action for the public good) is a hallmark of the nonprofit sector as individuals give their time, money and know-how to causes about which they care. Students in the nonprofit leadership and management program learn about the nonprofit sector through curriculum instruction and field experience. The required internship component of the program leads students to professional opportunities within the nonprofit sector. Within the undergraduate degree requirements, students also may choose to pursue the National Certified Nonprofit Professional credential through ASU's affiliation with the Nonprofit Leadership Alliance: <https://www.nonprofitleadershipalliance.org/credential/> (<https://www.nonprofitleadershipalliance.org/credential/>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Community Resources and Development (Nonprofits and NGOs), MS

Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPNLMBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Depending on their interests, graduates seek work in diverse settings that include a wide range of missions, including arts and culture, environmental, health, youth development, etc. Some graduates find employment with local, grassroots, direct-service nonprofits while others find work with grant-making foundations. Many work in affiliates of well-known national organizations such as:

- American Red Cross
- America's Second Harvest
- Humane Society of the United States
- March of Dimes
- National Urban League
- United Way
- youth-serving entities such as Big Brothers Big Sisters, Boys and Girls Clubs, Boy Scouts of America, Girl Scouts of the USA, Camp Fire USA

and the YMCA of the USA

Increasing opportunities in the nonprofit sector include careers across the spectrum of community issues such as the arts, environment, health care and others. Typical positions include roles as:

- field executives
- fund development directors
- program directors
- program officers for grant-making organizations
- volunteer program managers

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
602-496-0550

## Nonprofit Leadership and Management (American Indian Studies), BS (PPNLMAIBS)

**Campus:** Downtown Phoenix

**Program Description:**

Through the BS program in nonprofit leadership and management, students are empowered to become successful professionals who work to advance the quality of life in communities. The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public, business and commerce sectors.

Students in the nonprofit leadership and management program learn about the nonprofit sector through curriculum instruction and field experience. Many students in the nonprofit sector work with American Indian populations. The concentration in American Indian studies familiarizes students with American Indian worldviews, current issues and tribal governance.

The required internship component of the program leads students to professional opportunities within the nonprofit sector. Students also may choose to pursue the National Certified Nonprofit Professional credential through ASU's affiliation with the Nonprofit Leadership Alliance: <https://www.nonprofitleadershipalliance.org/credential> (<https://www.nonprofitleadershipalliance.org/credential>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPNLMAIBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Most of the major nonprofit organizations in Arizona work with American Indian populations providing services and expertise. Thus, career options are extensive and include many of the nonprofit organization in the state and beyond. Careers fields may include youth programming, fundraising, volunteer management and social services provision.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
602-496-0550

## Parks and Recreation Management, BS (PPPRMBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in parks and recreation management provides a transdisciplinary education in the management of parks, protected areas, community-based recreation services and special-event management. The parks and recreation field emerged from the youth development, recreation and park movements of the late 19th-century. Students learn to integrate the managerial, natural and social sciences to make informed decisions for recreation service delivery.

The curriculum of classroom instruction and field experiences covers:

- communication
- history
- inclusive services
- management
- parks and recreation policy
- planning
- programming

The required internship component of the program allows students to gain practical experience in the parks and recreation professions. The bachelor's degree program in parks and recreation management prepares students for professional positions in a variety of public, private and nonprofit organizations.

The National Recreation and Park Association accredits this degree program.

Students interested in the Bachelor of Science in parks and recreation management also may be interested in the school's therapeutic recreation program: <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/PPPRMTRBS/undergrad/false> (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/PPPRMTRBS/undergrad/false>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Resources and Development (Parks and Recreation Management), MS
- Community Resources and Development (Sustainable Communities), MS
- Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPRMBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program prepares students for professional positions in a variety of public, private and nonprofit organizations. Graduates are employed in a variety of settings in Arizona, nationally and abroad. Graduates find employment in such diverse settings as:

- armed forces recreation
- city park and recreation departments
- county and state park agencies
- federal natural resource agencies
- hospitals and care facilities
- nonprofit recreation programs
- private and commercial recreation facilities
- special event management
- sport venues
- youth agencies

In such settings, graduates design, develop and manage services that address the recreational needs of a particular clientele.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Parks and Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in parks and recreation management with a concentration in therapeutic recreation prepares students to apply for eligibility to take the national professional certification in through the National Council for Therapeutic Recreation Certification: <http://www.nctrc.org> (<http://www.nctrc.org>).

The degree program prepares competent, entry-level recreational therapists with the requisite knowledge, skills and abilities to improve functional outcomes and increase participation in life activities with individuals experiencing health conditions. It is designed for students who want to learn to conduct assessments, develop service plans, implement therapeutic interventions, evaluate and document outcomes of care. They gain skills to effectively provide comprehensive therapeutic recreation services that include program design and evaluation, individual and group service provision, and advocacy. The required fieldwork component of the program facilitates the development of competencies needed to provide quality recreational therapy services.



Students who choose this degree program are truly committed to improving people's lives and contributing to their communities. This degree program is one of two such programs in Arizona, both offered by the School of Community Resources and Development. This program prepares students to provide recreational therapy services in community settings such as youth programs, adaptive sports, or parks and recreation while the Bachelor of Science in recreational therapy has a heavier emphasis on healthcare settings such as hospitals and human service agencies.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Community Resources and Development (Parks and Recreation Management), MS

Community Resources and Development (Sustainable Communities), MS

Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPRMTRBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a wide range of job opportunities for therapeutic recreation professionals including in clinical settings, such as hospitals and nursing homes, adventure programming for youth-at-risk and people with disabilities, and community programs offered through parks and recreation departments.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Public Service and Public Policy, BS (PPPAFBS)

**Campus:** Downtown Phoenix, Online

### Program Description:

The BS program in public service and public policy prepares students for work in government at all levels and in nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Students discover the challenges of management and learn how to lead a public organization and understand the process of policy development. This program examines the public sector and addresses, in a practical way, the challenges facing the public. The program is unique because it enables students to study public service, policy and administration with a professional focus.

Students select one of the following concentrations or focus areas to supplement their core courses:

- American Indian studies
- business
- criminology
- emergency management
- health policy
- law and policy
- nonprofit leadership and management
- parks and recreation management
- public leadership and management (focus area)
- public policy (focus area)
- science and technology
- social services delivery
- sustainability
- urban studies (focus area)

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Administration (Emergency Management), MPA
- Public Administration (NonProfit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-public-service-and-public-policy/>)

**Change of Major Requirements:**

A minimum 2.00 cumulative GPA is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=PPPAFBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program provides students with the knowledge and skills to transform government and policy at all levels. The public service sector offers sustainable, exciting and fulfilling career options. Upon graduation, students are empowered to use knowledge of the public sector as a catalyst to change the world. By understanding the challenges facing government and being well-versed in the development of multiple, useful and realistic solutions, students will contribute to the development of local, national and global communities.

The bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)

**Campus:** Downtown Phoenix

**Program Description:**

The American Indian studies concentration provides students with specialized knowledge about the policy implication of American Indian-related decisions and actions.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Administration (Emergency Management), MPA
- Public Administration (NonProfit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFAISBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The program is primarily focused on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though students would function successfully in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://spa.asu.edu/pspp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## **Public Service and Public Policy (Business), BS (PPPAFBUBS)**

**Campus:** Downtown Phoenix

#### **Program Description:**

The School of Public Affairs offers a concentration in business as part of the BS in public service and public policy. This concentration establishes a core business curriculum while allowing students the flexibility to pursue their passion, from entrepreneurial opportunities to working for a Fortune 500 company. Coursework teaches lasting business concepts.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Administration (Emergency Management), MPA

Public Administration (NonProfit Administration), MPA

Public Administration (Public Finance), MPA

Public Administration (Urban Management), MPA

Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic

departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A minimum 2.00 cumulative GPA is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFBUBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on individuals working in or interested in working in the public sector. The skills and knowledge the students acquire in the program will allow them to successfully function in many other types of organizations as well; however, the primary focus is on public organizations. This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The business concentration prepares students with an interest in policy to focus on business issues and their policy implications.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://spa.asu.edu/pspp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Public Service and Public Policy (Criminology), BS (PPPAFCBS)

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a concentration in criminology as part of the BS in public service and public policy. Criminology continues to be a highly sought-after area and it presents broad policy implications for future public sector professionals. The concentration program introduces students to the fundamental foundations in criminal justice and criminology by preparing them to think critically, contribute to society and enhance public safety.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Administration (Emergency Management), MPA
- Public Administration (NonProfit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFCBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire will allow them to successfully function in many types of organizations, though the primary focus is on public organizations. A bachelor's degree in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The criminology concentration provides students with more specialized knowledge about the policy implications of criminology-related decisions and actions.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The School of Public Affairs offers a concentration in emergency management and homeland security as part of the BS in public service and public policy. This concentration program provides students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management and homeland security. Concepts of public policy and management are blended together with emergency management principles to enhance and foster critical thinking within the general field of study. More specifically, the program's focus provides the student with a comprehensive perspective which is critically important for today's and tomorrow's disaster managers.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Emergency Management and Homeland Security (Biosecurity and Threat Management), MA
- Emergency Management and Homeland Security (Community Resilience), MA
- Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA
- Emergency Management and Homeland Security (Emergency Management), MA
- Emergency Management and Homeland Security (Homeland Security), MA
- Emergency Management and Homeland Security, MA
- Public Administration (Emergency Management), MPA
- Public Administration (NonProfit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-public-service-and-public-policy-emergency/>)

**Change of Major Requirements:**

A minimum 2.00 cumulative GPA is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFEHBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration.

Retiring baby boomers, along with increasing demand for public services, has resulted in an increase in job opportunities for graduates in the public sector. The federal government is the nation's largest employer with nearly two million people employed across the country, and nearly 85 percent of those jobs exist outside the Washington, D.C. area. The federal government is anticipated to hire tens of thousands of new employees for

mission-critical positions in the next few years. Students with preparation in academic areas related to public service will have an advantage in that market.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a concentration in health policy as part of the BS in public service and public policy. This program allows students to build a course of study that emphasizes their own areas of interest. The health care industry is continuing to be a major part of the U.S. and world economy.

The concentration in health policy provides students who have an interest in policy to focus on health-related issues and their policy implications. The courses in the concentration are offered by the School of Nutrition and Health Promotion and the School of Human Evolution and Social Change. All the courses are part of the college's regular degree offerings. Thus, students emerge from the program prepared to address policy issues in this substantive area with an understanding of the range of public service careers (including government, nonprofit and for-profit options), the economics of public affairs, the challenge of leadership in the public context and the dynamics of administering public programs.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Administration (Emergency Management), MPA
- Public Administration (NonProfit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A minimum 2.00 cumulative GPA is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**



ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=PPPAFHPBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The program is primarily focused on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would function successfully in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion.

The health policy concentration provides students with more specialized knowledge about the policy implication of health-related decisions and actions.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## **Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS)**

**Campus:** Downtown Phoenix

#### **Program Description:**

The School of Public Affairs offers a concentration in law and policy as part of the BS in public service and public policy. Through this concentration, students who have an interest in public policy focus on legal issues and the policy implications, broadening their educational experience while concentrating in an area that is in high demand.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Administration (Emergency Management), MPA

Public Administration (NonProfit Administration), MPA

Public Administration (Public Finance), MPA

Public Administration (Urban Management), MPA

Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=PPPAFLPBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily designed for individuals who work in the public sector or are interested in doing so. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however the primary focus is on public organizations.

This program prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a BS in public service and public policy with a concentration in nonprofit leadership and management. The role of nonprofit organizations continues to grow and presents broad policy implications for future public sector professionals. This concentration program empowers students to understand the unique aspect of the social, political, economic and philanthropic factors related to the nonprofit sector.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Administration (Emergency Management), MPA

Public Administration (Public Finance), MPA

Public Administration (Urban Management), MPA

Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPANLMBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The nonprofit leadership and management concentration provides students with more specialized knowledge about the policy implications of the nonprofit sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://spa.asu.edu/pspp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a BS in public service and public policy with a concentration in parks and recreation management. Leisure and quality of life are an essential part of U.S. society. This concentration program provides students a transdisciplinary education in the management of parks, protected areas and community-based recreation services.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Administration (Emergency Management), MPA  
Public Administration (NonProfit Administration), MPA  
Public Administration (Public Finance), MPA  
Public Administration (Urban Management), MPA  
Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAPRMBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the emphasis is on public organizations. A bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The parks and recreation management concentration provides students with more specialized knowledge about the policy implication of the development and management of leisure in modern life.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

**Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)**

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a concentration in science and technology policy as part of the BS in public service and public policy. The program prepares students to tackle many of today's most important challenges: climate change, energy, information privacy, public health and global development.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Administration (Emergency Management), MPA

Public Administration (NonProfit Administration), MPA

Public Administration (Public Finance), MPA

Public Administration (Urban Management), MPA

Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFSTBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is focused primarily on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion.

The science and technology policy concentration provides students with more specialized knowledge about the policy implication of science and technology-related decisions and actions.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://spa.asu.edu/pspp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS)

**Campus:** Downtown Phoenix

**Program Description:**

Social service delivery is a fundamental building block of government affairs. Through this concentration, students explore the foundation and practices of social services and how it can be designed, delivered and evaluated at local, state and federal levels.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Administration (Emergency Management), MPA

- Public Administration (NonProfit Administration), MPA

- Public Administration (Public Finance), MPA

- Public Administration (Urban Management), MPA

- Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required for current ASU students to change into this major.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFSSBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The BS program in public service and public policy is focused primarily on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration.

Retiring baby boomers and an increasing demand for public services have resulted in an increase in job opportunities for graduates in the public sector. The federal government is the nation's largest employer with nearly two million people employed across the country and nearly 85 percent of those jobs exist outside the Washington, D.C., area. The federal government is anticipated to hire tens of thousands of new employees for mission-critical positions in the next few years. Students with preparation in academic areas related to public service and social services delivery will have an advantage in that market.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/pspp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

## Public Service and Public Policy (Sustainability), BS (PPPAFSBS)

**Campus:** Downtown Phoenix

### Program Description:

The BS program in public service and public policy prepares students for work in government at all levels and nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Sustainability continues to be a highly sought-after area and it presents broad policy implications. Through this concentration, students explore the challenges of sustainability and how it may be used to develop solutions to pressing issues at local and global levels.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Administration (Emergency Management), MPA

Public Administration (NonProfit Administration), MPA

Public Administration (Public Finance), MPA

Public Administration (Urban Management), MPA

Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A minimum cumulative GPA of 2.00 is required for current ASU students to change into this major.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFSBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The program is primarily focused on individuals working or seeking work in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations, though the primary focus is on public organizations. This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The sustainability concentration provides students with more specialized knowledge about the policy implication of sustainability-related decisions and action.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Recreation Therapy, BS (PPRECTBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in recreational therapy prepares students to apply for eligibility to take the national professional certification through the National Council for Therapeutic Recreation Certification: <https://nctrc.org/about-certification/ctrs-the-qualified-provider> (<https://nctrc.org/about-certification/ctrs-the-qualified-provider/>).

The program prepares competent, entry-level recreational therapists with the requisite knowledge, skills and abilities needed to improve functional outcomes and increase participation in life activities for individuals experiencing health conditions. It is designed for students who want to learn to conduct assessments, develop service plans, implement therapeutic interventions, and evaluate and document outcomes of care. They gain skills to effectively provide comprehensive therapeutic recreation services that include program design and evaluation, individual and group service provision, and advocacy. The required fieldwork component of the program facilitates the development of competencies to provide quality recreational therapy services.

Students who choose this degree program are committed to improving people's lives and contributing to their communities. This degree program is one of two such programs in Arizona, both offered by the School of Community Resources and Development. This program has a heavier emphasis on healthcare settings such as hospitals and human service agencies while the Bachelor of Science in parks and recreation (therapeutic recreation) prepares students to provide recreational therapy services in community settings such as youth programs, adaptive sports, or parks and recreation.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPRECTBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.



include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Recreation therapy is a rapidly growing field, given the rising number of returning veterans and an aging population. Graduates are prepared for work in a wide variety of clinical settings, including hospitals, rehabilitation centers and extended care facilities. Graduates also are qualified to work in community settings such as parks and recreation departments.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
602-496-0550

## Social Work, BSW (PPSWUSWU)

**Campus:** Downtown Phoenix, West, Tucson

The Tucson location option is only available to transfer students.

**Program Description:**

Social work practitioners are committed to the enhancement of individual, family and group problem-solving capacities and the creation of a more nurturing, just and humane social environment.

The undergraduate curriculum leads to a BSW. Juniors and seniors majoring in social work focus on social work courses in social policy and services, human behavior in the social environment, social work practice, research and field instruction in community agencies. In addition, majors take elective courses in related areas.

Students interested in completing the Bachelor of Social Work program in Tucson are encouraged to complete a Transfer Admission Guarantee program. The Tucson location option is only available to transfer students. For admission requirements, students should see <https://socialwork.asu.edu/programs/bsw/social-work> (<https://socialwork.asu.edu/programs/bsw/social-work>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Admission Requirements:

Tucson Students: ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in social work, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Social Work. The Tucson program option is only available to transfer students. Upon completion of the TAG, students will complete the remaining requirements for ASU's bachelor's program. Students should see <https://transfer.asu.edu/> (<https://transfer.asu.edu/>) for more information about ASU degrees offered at local community colleges.

This program may also accept transfer credit in lieu of a TAG agreement. Students should contact the School of Social Work for details.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPSWUSWU~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program prepares students to be generalist social work practitioners, focusing on advocacy, referrals, case management and problem-solving functions with individuals, groups, families, organizations and the community.

Employment in social work is expected to increase commensurately with the needs of a growing and diverse population.

Social workers are employed in public and private agencies dealing with a wide variety of social issues, including:

- adoption
- aging
- AIDS
- child abuse
- corrections
- delinquency
- disability
- discrimination
- domestic violence
- family dysfunction
- foster care
- health
- homelessness
- mental health
- poverty
- school-related problems
- substance abuse
- teen pregnancy

Social work skills such as problem-solving, resource utilization, counseling, group work and community organization are also useful for positions with industry in employee relations and mediation.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
[social.work@asu.edu](mailto:social.work@asu.edu)  
602-496-0800

## Tourism Development and Management, BS (PPTDMBS)

**Campus:** Downtown Phoenix

**Program Description:**

Through the BS program in tourism development and management, students acquire the planning and management skills related to the growth and development of tourism throughout the world. The curriculum prepares students for employment across a wide variety of occupations in the rapidly expanding travel and tourism industry while taking full advantage of its strong connections with the professional tourism community in Phoenix.

The required internship component of the program allows students to gain practical experiences leading to professional positions in various travel, tourism and related fields. Exposure to the practices of heritage tourism, sustainable tourism, resort management, and meeting and convention planning prepares students for successful careers in the travel and tourism industry. While pursuing the bachelor's degree in tourism development and management, a student may also choose to complete a certificate in convention sales and meeting planning. Additionally, students have the opportunity to participate in a study abroad program.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Resources and Development (Sustainable Communities), MS
- Community Resources and Development (Tourism), MS
- Community Resources and Development, MS
- Sustainable Tourism, MAS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Academic Catalog Archive 2019-2020

Map search (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=PPTDMBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The travel and tourism industry is the largest employer in the world and the second largest in Arizona. Based upon interests, graduates can seek work in the public, nonprofit or private and commercial sectors. Graduates find employment in such diverse settings as resorts, meeting planning, convention and visitor bureaus, tour operations and commercial recreation businesses. In such settings, graduates design, develop and manage services that address the needs of a particular clientele. The metropolitan Phoenix area is a major hub of tourism in the southwestern U.S. and has experienced rapid growth in:

- air transportation
- business and corporate travel
- gaming and casinos
- meetings and conventions
- resorts and hotels
- sports tourism
- state and national parks

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
602-496-0550

## **Tourism Development and Management (Meetings and Events), BS (PPTDMMEBS)**

**Campus:** Downtown Phoenix

#### **Program Description:**

The concentration in meetings and events allows students enrolled in the BS program in tourism development and management to focus their electives on courses that cover meetings and events planning topics. The concentration draws from both the special events program and the meeting management program, and prepares students to be competitive in the events sector.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMMEBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Tourism-related meetings and events are a significant contributor to the Arizona economy, as well as other states. Graduates are prepared to enter meeting and event-related careers in resorts and hotels, convention and visitor bureaus, private event companies, destination management companies, parks and recreation departments, public relations, and nonprofit fundraising.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/degree-programs>  
UCENT 550  
scrd@asu.edu  
602-496-0550

## Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS in tourism development and management with a concentration in resort and hotel leadership attracts students and professionals who have interests in the diverse areas of knowledge needed within the accommodations sector, knowledge such as:

- ecological, social and economic sustainability practices in the industry
- hospitality management and leadership
- meeting the expectations of hotel and resort guests
- the interrelated functions within departments of the lodging, food and beverage industries

The concentration program in resort and accommodations leadership provides students an academic option to study in-depth the resort and accommodations system and gain knowledge of the importance of the business relationships between suppliers, intermediaries and vendors, guests, and the public and private sectors. It also prepares students to serve their communities by developing the skills, knowledge, techniques and capabilities needed for addressing major issues related to resorts and other tourism accommodations.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Community Resources and Development (Sustainable Communities), MS

Community Resources and Development (Tourism), MS

Community Resources and Development, MS

Sustainable Tourism, MAS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMRBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

There are a variety of job opportunities for resort or hotel professionals, ranging from entry-level as a management trainee to an assistant manager or manager in various departments, such as:

- catering and banquet
- convention sales
- front desk
- guest services
- rooms division
- sales and marketing

#### Contact Information:

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrd@asu.edu](mailto:scrd@asu.edu)

602-496-0550

## Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)

**Campus:** Downtown Phoenix

#### Program Description:

The BS program in tourism development and management provides students with the theoretical understanding necessary to maneuver the complexities of one of the world's largest industries. A concentration in sustainable tourism allows students to hone their understanding of the key concepts of sustainability and of how these concepts can be applied to tourism destinations and development.

Students learn the dominant theories and language that make up sustainability science and the skills necessary to measure, create and implement sustainability policies in tourism destinations, from the planning to management stages of development.

Students take courses offered by the School of Sustainability in addition to courses in the School of Community Resources and Development, guaranteeing a strong foundation in the basic theories of the growing field of sustainability while applying these newfound skills to tourism development and management.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Community Resources and Development (Sustainable Communities), MS

Community Resources and Development (Tourism), MS

Community Resources and Development, MS

Sustainable Tourism, MAS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMSBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Sustainable tourism is becoming increasingly important, and many tourism businesses are hiring sustainability coordinators. These businesses include hotels, airlines, convention and visitor bureaus, and large attractions. Tour companies, such as those that implement ecotourism and volunteer tourism experiences, are especially interested in employees with a strong sustainable tourism background. Numerous sustainable tourism nonprofit organizations have emerged in recent years, and many government-related tourism organizations also hire those with a strong sustainability focus. Consulting opportunities are available to assist tourism businesses in developing sustainable practices as well.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Tourism and Recreation Management, BS (PPTRMBS)

**Campus:** ASU@Lake Havasu, Online

**Program Description:**

Through the BS program in tourism and recreation management, students acquire the planning and management skills needed to work in the growing tourism and recreation industries throughout the world. Selecting one of four emphasis areas: tourism, recreation, events or sports, the curriculum prepares students for employment across a wide variety of occupations. These areas of emphasis allow graduates to contribute to community economic and social development and to positively influence quality of life both domestically and abroad. Students are able to gain professional positions in various travel, tourism, recreation, sports and related fields.

**Additional Program Fee:** Y

**Second Language Requirement:** Y

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/tourism-and-recreation-management-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTRMBS--null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Based upon interests, graduates can seek work in the public, nonprofit, or private and commercial sectors. Graduates find employment in such diverse organizations as resorts and hotels, convention and visitor bureaus, and in areas such as business and corporate travel, transportation, tour operations, event and meeting planning and management, and attractions management. Opportunities are also found with city and state parks and recreation departments; youth, recreation and sports-oriented nonprofits; sports and recreation program planning and management; sports events and tourism; and many others. In such settings, graduates plan, design, develop and manage services that address the needs of a particular clientele.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Urban and Metropolitan Studies, BA (PPURBBA)

**Campus:** Downtown Phoenix

**Program Description:**

Located in the heart of downtown Phoenix, the BA program in urban and metropolitan studies is for students who have a yearning to study and understand urban theory in order to effectively address the challenges of rapid growth along with other contemporary urban issues.

Students discover what makes the city tick --- and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory, and they use that knowledge to get involved in their communities. This gives them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. The students are invested in their neighborhoods. Many of them live and work downtown and they learn how to improve urban health and well-being, often training themselves to be the future leaders of urban environments. Others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, revitalization and community-building in the life of the region.



This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPURBBA-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The urban and metropolitan studies program prepares students for work in a wide range of fields. The transdisciplinary approach of the program allows graduates to successfully enter fields as diverse as urban management, revitalization, community development, urban sustainability and urban planning.

There are many careers and advanced degrees that may be pursued with a bachelor's degree in urban and metropolitan studies. Some of these careers require additional graduate-level studies and professional experience. Students in the program are advised to explore their options with academic and career advisors to prepare an appropriate program of study and plan to participate in an internship that complements their long-term professional goals.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://spa.asu.edu/ums>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Urban and Metropolitan Studies, BS (PPURBBS)

**Campus:** Downtown Phoenix

**Program Description:**

Located in the heart of downtown Phoenix, the BS program in urban and metropolitan studies is for students who have a yearning to study and understand urban theory in order to effectively address the challenges of rapid growth along with other contemporary urban issues.

Students in this program discover what makes the city tick --- and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory, and they use that knowledge to get involved in their communities. This gives them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan

regions. The students are invested in their neighborhoods. Many of them live and work downtown, and they learn how to improve urban health and well-being, often training themselves to be the future leaders of urban environments. Others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, and revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPURBBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The urban and metropolitan studies program prepares students for work in a wide range of fields. The transdisciplinary approach of the program allows graduates to successfully enter fields as diverse as urban management, revitalization, community development, urban sustainability and urban planning.

There are many careers and advanced degrees that may be pursued with a bachelor's degree in urban and metropolitan studies. Some of these careers require additional graduate-level studies and professional experience. Students in the program are advised to explore their options with academic and career advisors to prepare an appropriate program of study and a plan to participate in an internship that complements their long-term professional goals.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://spa.asu.edu/ums>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Sustainability, School of

### Sustainability, BA (SUSUSTBA)

**Campus:** Polytechnic, Tempe, Online

**Program Description:**

Students in ASU's School of Sustainability are rethinking and reinventing the future of a world at risk. The school's programs encourage experiential learning, study abroad (<https://schoolofsustainability.asu.edu/student-life/study-abroad>), research with faculty (<https://schoolofsustainability.asu.edu/undergraduate-research>), community engagement and leadership development (<https://schoolofsustainability.asu.edu/student-life/campus-experience/student-sustainability-clubs-organizations/>). The knowledge and solutions that are created today will shape the social and environmental quality of life for future generations.

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world problems and focus on developing practical solutions to some of the most pressing environmental, economic and social challenges of sustainability. The curriculum trains students to approach challenges with consideration of complex adaptive systems and resilience; interconnections and cascading effects between scales; management of trade-offs; stakeholder engagement; future visioning and scenario typologies for transitioning social-ecological systems; and other cutting-edge frameworks.

The Bachelor of Arts is geared toward students interested in the social and human aspects of sustainability in global, regional and local contexts such as international environmental law, urban policy, etc. Students select from one of four Bachelor of Arts track options:

- international development and sustainability
- policy and governance in sustainable systems
- society and sustainability
- sustainable urban dynamics

Disciplinary perspectives included in the core courses of the degree tracks include anthropology, urban planning and design, environmental economics, ethics, geography, philosophy of science, political science, sociology and other disciplines relevant to the sustainability of environmental resources and social institutions.

Students in the School of Sustainability gain not only an understanding of the field of sustainability and strong problem-solving, systems-thinking, stakeholder engagement and future scenario-building skills, they also develop strength in a more traditional discipline of their choice (in addition to their track). Students apply the skills from their core Bachelor of Arts classes and knowledge from their track and related discipline courses in two required capstone experiences in the senior year.

Capstone requirements consist of an internship (<https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities>) with a sustainability-focused organization and a workshop course in which students work together as a team to develop solutions to real sustainability problems. These workshops are great resume builders as they usually include real work for actual organizations such as city governments, sports organizations, nonprofits, local and global companies, local schools, and ASU facilities management and sustainability practices. Students also are offered workshops on making documentary films, redesigning buildings and downtown areas, and other engaging projects.

Students graduate with a portfolio of accomplishments and skills. They also have the opportunity to participate in study abroad programs, student organizations, professional development workshops and hands-on initiatives such as ProMod (<https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/promod>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** SOS 101 - Intro Appl Math Life & Soc Sci

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with Supply Chain Management, BS

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Sustainability Solutions, MSUS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The School of Sustainability has higher admission requirements. Applicants must select a second choice for their major on the application. Students who are not admitted to the School of Sustainability and who did not select a second major or are not admissible to the second major choice are admitted to the exploratory social and behavioral sciences program within the College of Integrative Sciences and Arts. Students with more than 45 transfer hours who are not admissible to the College of Integrative Sciences and Arts are contacted to select an appropriate major.

Freshman applicants must meet the following standards:

- Minimum cumulative high school GPA of 3.00 (4.00 = "A") in competency courses (<https://students.asu.edu/admission/competencies>) AND
- rank in the top 25 percent of their high school graduating class OR
- an SAT combined score of 1120 or higher OR
- an ACT combined score of 22 or higher.

Transfer Admission Requirements:

Transfer students (those with 12 or more transfer credit hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability reviews transfer applications that fall below this GPA level on an individual basis.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-sustainability/>)

**Change of Major Requirements:**

ASU students who would like to change their major to sustainability are required to have a cumulative ASU GPA of 3.00 or higher (based on at least 12 credit hours of ASU coursework).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=SUSUSTBA~null + &college=CSS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

In addition to going on to graduate school, graduates of the program are qualified for well-paying positions in:

- consultancy
- government
- intergovernmental organizations
- international development
- management

- municipalities
- nongovernmental organizations
- nonprofits
- policy-making enterprises
- regulatory agencies
- utilities

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Of undergraduate alumni who have shared their experiences with the school (<https://schoolofsustainability.asu.edu/careers/employment-data> (<https://schoolofsustainability.asu.edu/careers/employment-data/>)), 96 percent are either employed in sectors such as those listed above or have gone on to a graduate program. Of those employed, 69 percent have jobs directly related to sustainability.

Those with a BA in sustainability offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of systems, have engaged in a range of knowledge and experience from different disciplinary perspectives, and understand the importance of planning for the future and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

**Contact Information:**

Sustainability, School of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/undergraduate-degree-programs/bachelor-arts/>

WGHL 108

[schoolofsustainability@asu.edu](mailto:schoolofsustainability@asu.edu)

480-727-6963

## Sustainability, BS (SUSUSTBS)

**Campus:** Polytechnic, Tempe, Online

**Program Description:**

Students in ASU's School of Sustainability are rethinking and reinventing the future of a world at risk. The school's programs encourage experiential learning, study abroad (<https://schoolofsustainability.asu.edu/student-life/study-abroad> (<https://schoolofsustainability.asu.edu/student-life/study-abroad/>)), research with faculty (<https://schoolofsustainability.asu.edu/undergraduate-research> (<https://schoolofsustainability.asu.edu/undergraduate-research/>)), community engagement and leadership development (<https://schoolofsustainability.asu.edu/student-life/campus-experience/student-sustainability-clubs-organizations/> (<https://schoolofsustainability.asu.edu/student-life/campus-experience/student-sustainability-clubs-organizations/>)). The knowledge and solutions that are created today will shape the social and environmental quality of life for future generations.

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world problems and focus on developing practical solutions to some of the most pressing environmental, economic and social challenges of sustainability. The curriculum trains students to approach challenges with consideration of complex adaptive systems and resilience; interconnections and cascading effects between scales; management of trade-offs; stakeholder engagement; future visioning and scenario typologies for transitioning social-ecological systems; and other cutting-edge frameworks.

The Bachelor of Science is geared toward students interested in the more quantitative aspects of sustainability, such as energy, economics and ecology. Students select from one of three Bachelor of Science track options:

- economics of sustainability
- sustainable ecosystems
- sustainable energy, materials and technology

Disciplinary perspectives included in the core courses of the degree tracks include ecology, engineering, environmental economics, environmental science, conservation biology, hydrology, physical geography, earth-systems management and other disciplines relevant to the sustainability of

environmental resources and social institutions.

Students in the School of Sustainability not only gain an understanding of the field of sustainability and strong problem-solving, systems-thinking, stakeholder engagement and future scenario-building skills, they also develop strength in a more traditional discipline of their choice, in addition to their track. Students apply the skills from their core Bachelor of Science classes and knowledge from their track and related discipline courses in two required capstone experiences in the senior year.

Capstone requirements consist of an internship (<https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities/> (<https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities/>)) with a sustainability-focused organization and a workshop course in which students work together as a team to develop solutions to real sustainability problems. These workshops are great resume builders as they usually include real work for actual organizations such as city governments, sports organizations, nonprofits, local and global companies, local schools, and ASU facilities management and ASU sustainability practices. Students also are offered workshops on making documentary films, redesigning buildings and downtown areas, and other engaging projects.

Students graduate with a portfolio of accomplishments and skills. They also have the opportunity to participate in study abroad programs, student organizations, professional development workshops, and hands-on initiatives such as ProMod (<https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/promod> (<https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/promod/>)).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** SOS 101 - Intro Appl Math Life & Soc Sci

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Sustainability Solutions, MSUS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The School of Sustainability has higher admission requirements. Applicants must select a second choice for their major on the application. Students who are not admitted to the School of Sustainability and who did not select a second major or are not admissible to the second major choice will be admitted to the exploratory social and behavioral sciences program within the College of Integrative Sciences and Arts. Students with more than 45 transfer hours who are not admissible to the College of Integrative Sciences and Arts will be contacted to select an appropriate major.

Freshman applicants must meet the following standards:

- Minimum cumulative high school GPA of 3.00 (4.00 = "A") in competency courses (<https://students.asu.edu/admission/competencies>) AND
- rank in the top 25 percent of their high school graduating class OR
- an SAT combined score of 1120 or higher OR
- an ACT combined score of 22 or higher.

Transfer Admission Requirements:

Transfer students (those with 12 or more transfer credit hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability will review transfer applications that fall below this GPA level on an individual basis.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-sustainability/>)

**Change of Major Requirements:**

ASU students who would like to change their major to sustainability are required to have a cumulative ASU GPA of 3.00 or higher (based on at least 12 credit hours of ASU coursework).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=SUSUSTBS~null + &college=CSS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

In addition to going on to graduate school, graduates of the program are qualified for well-paying positions in:

- consultancy
- energy management
- government
- intergovernmental organizations
- international development
- management
- municipalities
- natural resource management
- nongovernmental organizations
- nonprofits
- policy-making enterprises
- regulatory agencies
- utilities
- waste management
- water management

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Of undergraduate alumni who have shared their experiences with the school (<https://schoolofsustainability.asu.edu/careers/employment-data> (<https://schoolofsustainability.asu.edu/careers/employment-data/>)), 96 percent are either employed in sectors such as those listed above or have gone on to a graduate program. Of those employed, 69 percent have jobs directly related to sustainability.

Those with a Bachelor of Science in sustainability offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of systems, have engaged in a range of knowledge and experience from different disciplinary perspectives, and understand the importance of planning for the future and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

**Contact Information:**

Sustainability, School of  
School of Sustainability  
<https://schoolofsustainability.asu.edu/degrees-and-programs/undergraduate-degree-programs/bachelor-science/WGHL-108>  
schoolofsustainability@asu.edu  
480-727-6963

## Sustainable Food Systems, BS (SUSFOSYSBS)

**Campus:** Downtown Phoenix, Polytechnic, Tempe

### Program Description:

The BS program in sustainable food systems trains students to understand food-related challenges using a food systems lens which encompasses the many aspects of food and agriculture within an integrated social and environmental context. This lens empowers students to grapple with real-life complexities and become effective agents of change. Coursework covers a wide range of topics from nutrition science to agricultural production, economics, social justice and more.

Housed in the School of Sustainability, students are engaged in an active community collectively working to achieve the 2030 United Nations Sustainable Development Goals. Beyond the core subject matter and skills courses, degree requirements include an internship, a chosen focus area and a culminating research project, all of which provide students in-depth knowledge of a food-related subfield and ample preparation for exciting careers.

**Additional Program Fee:** N

**Second Language Requirement:** Y

**First Required Math Course:** SOS 101 - Intro Appl Math Life & Soc Sci

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The School of Sustainability has higher admission requirements than the general university requirements. Applicants must select a second choice for their major on the application. Students who are not admitted to the School of Sustainability and who did not select a second major or are not admissible to the second major choice will be admitted to the exploratory social and behavioral sciences program within the College of Integrative Sciences and Arts.

Freshman applicants must meet the following standards:

- minimum cumulative high school GPA of 3.00 (scale is 4.00 = "A") in competency courses (<https://admission.asu.edu/freshman/competency-requirements>) AND
- rank in the top 25 percent of their high school graduating class OR
- an SAT combined score of 1120 or higher OR
- an ACT combined score of 22 or higher

Transfer Admission Requirements:

Transfer students (those with 12 or more transfer credit hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability will review transfer applications that fall below this GPA level on an individual basis.

Students with more than 45 transfer credit hours who are not admissible to the School of Sustainability or the second major choice will be contacted to select an appropriate major.

**Change of Major Requirements:**



ASU students who would like to change their major to sustainability are required to have a cumulative ASU GPA of 3.00 or higher (based on at least 12 credit hours of ASU coursework).

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=SUSFOSYSBS~null + &college=CSS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates will have gained a broad understanding of sustainable food systems and are trained to pursue multiple career pathways related to food. Students are encouraged to select electives that build upon core sustainable food systems coursework and ready them for career opportunities such as managing natural resources for food production; public policy, governance, and grassroots organizing; food literacy; sustainable food procurement; agricultural development, poverty alleviation and emerging markets; improved public health through food; or food entrepreneurship and innovation, marketing and agribusiness.

#### **Contact Information:**

Sustainability, School of  
School of Sustainability  
<https://schoolofsustainability.asu.edu/>  
WGHL 108  
[schoolofsustainability@asu.edu](mailto:schoolofsustainability@asu.edu)  
480-727-6963

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

### **Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)**

**Campus:** Tempe

#### **Program Description:**

The BAE program for early childhood and early childhood special education prepares students for certification in both early childhood education (birth to age 8 or grade 3) and early childhood special education (birth to age 8 or grade 3).

This is a premier program taught by nationally renowned faculty who emphasize community connectedness, technology infusion, policy and advocacy related to young children with and without disabilities or developmental delays.

The program teaches child development, research-based instructional and assessment practices in early childhood education and the skills to assess, monitor and report the progress of children with and without disabilities. It provides techniques and approaches to collaborate and partner with family members in the growth and development of young children.

This program is designed to prepare highly competitive graduates. The teacher certification program in early childhood and early childhood special education is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice with infants, toddlers, preschoolers and children in preK-3 classrooms. Students complete internships during their junior year that require a minimum of two days per week in a classroom. In their senior year, students complete a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and experienced mentor teachers from partner schools coach interns and student teachers during required clinical experiences. The clinical experiences provided by the program is unmatched in Arizona. It provides students an opportunity to work directly with children and make an immediate impact on classroom achievement.

This program also prepares graduates to qualify for the structured English Immersion endorsement.

Graduates earn an institutional recommendation for their teaching certificate. Those desiring to teach in a public school must pass the appropriate Arizona educator exam, National Evaluation Series or Arizona Educator Proficiency Assessments, to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEECSEBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a strong demand for early childhood special education teachers in Arizona. A high percentage of students from this program receive job offers during their senior year residency. Many graduates with a degree in early childhood special education hold leadership positions in Head Start, private nonprofit and private for-profit center-based programs and public school early childhood environments.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 118

[ASUeducation@asu.edu](mailto:ASUeducation@asu.edu)

480-965-5555

## Education Exploratory, (TEEDUEXPL)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

Students in the education exploratory track have the unique opportunity to explore different certification areas prior to selecting one of many majors within the Mary Lou Fulton Teachers College. During the program's course, TEL 101: The Teachers College Experience, and through specific events scheduled throughout freshman year, students on this track are exposed to all programs and certification areas. Students make a more informed decision about the grade level or subject they want to teach while the exploratory track keeps them on track to graduate from any of the BAE programs. This track does not lead to a degree, and students need to declare a major after completion of 30 credit hours.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Additional Requirements:**

Admission is restricted to first-time freshmen only. Please contact [educationadvising@asu.edu](mailto:educationadvising@asu.edu) (mailto:educationadvising@asu.edu) for questions regarding admission and program eligibility.

**Change of Major Requirements:**

A student of freshmen standing with fewer than 24 credits is eligible for a change of major.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=TEEDUEXPL~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

All students in the education exploratory program are poised to graduate from one of the majors within Mary Lou Fulton Teachers College. Information for those career opportunities can be found under each major.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 118

[ASUeducation@asu.edu](mailto:ASUeducation@asu.edu)

480-965-5555

## Educational Studies, BAE (EDSLSTBAE)

**Campus:** Polytechnic, Tempe, West, Online

**Program Description:**

Learning happens everywhere and at all ages. The BAE program in educational studies prepares students to work with children, youth and adults in formal or informal learning environments within nonprofit settings, community institutions, civic organizations and businesses. The degree program provides a foundation for students to shape society by supporting educational endeavors. It also helps them develop skills for effective communication, collaboration, leadership, advocacy and innovation, all of which are essential to education professionals.

Graduates of the program are prepared to teach others and change the face of learning throughout society.

The BAE in educational studies is intended for students seeking a career in formal or informal learning contexts. This degree does not lead to teacher certification.

Veterans may be interested in this program as credit may be offered for military service.

An educational studies minor is also available to ASU students in other degree programs.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose either a 2.5- or a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Educational Policy, MA  
Learning Sciences, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-education-educational-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDSLSTBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates have a versatile degree that qualifies them for a variety of career paths as innovators, advocates and leaders with organizations that support the development of children, youth and adults, whether with nonprofit or government organizations or in private educational or recreational settings.

This degree also prepares undergraduate students for graduate degrees in education or education-related fields, or trajectories based on the context of their work (e.g., organizational development).

Students may explore career tracks for this degree at <https://www.education.asu.edu/sites/default/files/Ed-studies-career-tracks.pdf> (<https://www.education.asu.edu/sites/default/files/Ed-studies-career-tracks.pdf>).

**Contact Information:**

Teachers College, Mary Lou Fulton  
Educational Leadership & Innovation, Division  
<https://education.asu.edu/>  
ED 118  
ASUeducation@asu.edu  
480-965-5555

## Educational Studies (Early Childhood Education), BAE (TEESECEBAE)

**Campus:** Online

**Program Description:**

The BAE program in educational studies with a concentration in early childhood education prepares graduates to lead change and innovation in early childhood education. It provides students with experience in collaborative and reflective practice, develops leadership and critical thinking, and builds the skills needed for working with and advocating for children from birth to age five.

This program is delivered online and tailored for individuals working in early childhood settings such as Head Start; child development centers; preschools; and private, public or home-based child care. Students must work or volunteer in an early-childhood setting in the last two years of the program to successfully complete the coursework.

The curriculum allows educators to apply coursework to their professional practice. It focuses on early childhood development, instructional strategies, delivering highly individualized instruction, classroom management, intentional teaching and reflective practice, and advocating for and leading early childhood and family resources.

This program does not lead to teacher certification. Students seeking teacher certification should enroll in one of the other Mary Lou Fulton Teachers College undergraduate programs.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/educational-studies-early-childhood-education-bae/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEESECEBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Many students are already teaching in Head Start preschools and this program supports a recent Head Start mandate which requires that preschool teachers hold a bachelor's degree in early childhood education. The BAE in educational studies with a concentration in early childhood education will meet these requirements. In addition, a BAE in educational studies provides graduates with other opportunities for careers involving work with children and youths.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 120

[educationadvising@asu.edu](mailto:educationadvising@asu.edu)

480-965-5555

## Elementary Education, BAE (TEEDBAE)

**Campus:** Polytechnic, Tempe, West, ASU@Lake Havasu

**Program Description:**

The elementary education BAE program leads to elementary education certification in the state of Arizona for grades K-8.

This program offers students a firm grounding in academic content with current research and best practices, accompanied by real-world classroom experiences. Faculty are nationally recognized in their fields of expertise. This program also provides meaningful experiences in integrating technology into teaching.

The teacher certification program for elementary education is clinically embedded during the junior and senior years. Coursework is designed to help teacher candidates develop their instructional competencies, professional skills and content knowledge. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in K-12 classrooms. Mary Lou Fulton Teachers College students complete internships during their junior year in grades K-8 classrooms and student teaching, which is a full-time, year-long apprenticeship known as their senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers. The clinical experience is unmatched in Arizona. It provides students an opportunity to work directly with children and make an immediate impact on student achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates and is unmatched in Arizona.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams, National Evaluation Series or Arizona Educator Proficiency Assessments, to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Admission Requirements:

ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in elementary education, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Arts in Education in elementary education. Upon completion of the TAG, students will complete the remaining requirements for ASU's elementary education BAE at a local community college. Students can visit <https://transfer.asu.edu/> (<https://transfer.asu.edu/>) for more information about ASU degrees offered at local community colleges. Applicants must have completed the TAG agreement and earned an associate degree for acceptance to the bachelor's degree program.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEEEDBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a demand for highly qualified elementary teachers in Arizona. A high percentage of students from this program receive job offers during their student teaching. Many graduates with a degree in elementary education work in:

- charter schools
- nontraditional settings
- private school settings
- public elementary schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

## Elementary Education (Bilingual Education and English as a Second Language), BAE (TEDLLBAE)

**Campus:** Tempe

### Program Description:

The BAE program for elementary education with a concentration in bilingual education and English as a second language offers students a firm grounding in current research about and best practices for English language learners, accompanied by real-world classroom experiences.

Undergraduates majoring in bilingual education and English as a second language for elementary education (grades K-8) are prepared to nurture and develop languages other than English in dual-language settings and to value the rich linguistic resources that are present in any classroom to support student learning. Students in this program take several courses that focus on developing teachers for linguistically and culturally diverse settings. These courses include topics such as language diversity, dialectal variation in the classroom and funds of knowledge.

Understanding the challenges that emerging bilinguals face instructionally, coupled with understanding the implications of language policy in various learning contexts is imperative to student experiences and coursework. Students learn processes for identifying English language learners as well as developing and supporting the needs of students with individual language learning plans. Students also learn principles of first- and second-language acquisition, foundations of various program models, global awareness and diversity in families and communities in multicultural settings, as well as academic content areas including math, language arts, computer literacy and science with a specific focus on meeting the academic and linguistic needs of English language learners.

The program requires six credit hours of a foreign language or its equivalent and enables students to work with second-language learners.

The elementary education, BLE/ESL teacher certification program is clinically embedded during the junior and senior years. During this time, students are intentionally and directly implementing course learning and theory to practices in the classroom. Strategies within the BLE/ESL program focus on foundations of second language acquisition, biliteracy, culturally relevant pedagogy, effective language instruction and prepares pre-service teachers to develop critical perspectives that allows them to advocate for bilingual children and families.

Field experiences are diverse and involve meeting the needs of emerging bilinguals in structured English immersion, English language development and dual language settings. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades K-8 classrooms and student teaching, which is a full-time, year-long apprenticeship known as their senior year residency.

Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences with high concentrations of English language learners. The clinical experience provided by the program is unmatched in Arizona and provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona. In addition, students must complete six credit hours of a foreign language or equivalent and pass an appropriate language proficiency test to be eligible for the BLE endorsement. All graduates who meet the foreign language requirement receive an ESL endorsement.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=TEDLLBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a great demand for teachers in Arizona with a bilingual education ESL endorsement. A high percentage of students from this program receive job offers during their student teaching. Many graduates with a degree in elementary education and BLE or ESL endorsements work in:

- charter schools
- nontraditional settings
- private school settings
- public elementary schools

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu/>  
ED 118  
ASUeducation@asu.edu  
480-965-5555

## Elementary Education (Science, Technology, Engineering and Mathematics), BAE (TEESTEMBAE)

**Campus:** Polytechnic

**Program Description:**

The BAE program in elementary education with an emphasis on science, technology, engineering and mathematics has coursework designed for teachers looking to advance their skills in STEM disciplines and learn techniques to effectively engage K-12 learners in the 21st-century. The coursework addresses essentials for educators to equip the learners with the specialized knowledge needed in STEM topics to solve challenging problems and apply critical thinking skills. The STEM program offers students a firm grounding in science, using the tools of technology, the processes of engineering and the language of math, with current research and best practices accompanied by real-world experiences.

The elementary education teacher certification program is clinically embedded during the junior and senior years. Coursework is designed to help teacher candidates develop their instructional competencies, professional skills and content knowledge. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades K-8 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers in math or science settings. The clinical experience provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates and is unmatched in Arizona.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N



**Second Language Requirement: N**

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEESTEMBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a demand for highly qualified elementary teachers in math or science in Arizona, according to recent research on teacher supply and demand. The job opportunities in a fast-growing state such as Arizona are numerous, and demand for math and science teachers will continue to grow.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

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ASUeducation@asu.edu

480-965-5555

## Secondary Education, BAE (TESEDBAE)

**Campus:** Polytechnic, Tempe, West, ASU@The Gila Valley, ASU@Yuma

**Program Description:**

This degree is offered on-site at ASU@The Gila Valley (in partnership with Eastern Arizona College) and ASU@Yuma (in partnership with Arizona Western College) through the Transfer Admission Guarantee program: <https://admission.asu.edu/transfer/pathway-programs> (<https://admission.asu.edu/transfer/pathway-programs>).

Current ASU students at the Downtown Phoenix, Tempe, Polytechnic and West campuses may add this degree as a concurrent degree along with their original major in any secondary education content area. For more information on how to add this program as a concurrent degree, students should contact the Mary Lou Fulton Teachers College Advising Office: <https://education.asu.edu/student-life/student-services-undergraduate> (<https://education.asu.edu/student-life/student-services-undergraduate>).

New ASU applicants also may apply directly to this degree as a concurrent program along with the BS in biological sciences or the BA in chemistry at the Tempe, Polytechnic or West campuses.

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

Specializations are typically available in the following content areas, depending on campus location: biology, business, chemistry, earth and space sciences, economics, English, general science, geography, history, math, physics, political science, some foreign languages.

The program's clinical experience component provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. The primary goal of all clinical experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom. Mary Lou Fulton Teachers College students complete internships during the junior and senior years, one day a week, while enrolled in upper-division education courses.

The culminating experience is a student teaching practicum, which requires working alongside a highly qualified mentor teacher, full-time, for the entire semester. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

This degree is also offered as concurrent degree program with:

Biological Sciences, BS

Chemistry, BA

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Transfer Admission Requirements:**

ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in secondary education, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Arts in Education in secondary education. Upon completion of the TAG, students will complete the remaining requirements for ASU's secondary education BAE at a local community college. Visit <https://transfer.asu.edu/> (<https://transfer.asu.edu/>) for more information about ASU degrees offered at local community colleges. Applicants must have completed the TAG agreement and earned an associate degree for acceptance to the bachelor's degree program.

**Change of Major Requirements:**

This program is only available as a concurrent degree at ASU's Downtown Phoenix, Tempe, Polytechnic and West campuses. Students should contact the advising office to add this program as a concurrent degree.

A current ASU student at ASU@The Gila Valley or ASU@Yuma must have completed all lower-division requirements and hold a 2.50 GPA in order to change majors to this program.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESEDBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings

- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu>  
ED 118  
ASUeducation@asu.edu  
480-965-5555

## Secondary Education (Biological Sciences), BAE (TEBIOBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in 6-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require an observation of one day per week in a 6-12 grade classroom. During senior year, students complete a full-time, single semester student teaching placement known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams, National Evaluation Series or Arizona Educator Proficiency Assessments, to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEBIOBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous.

Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu>  
ED 118  
ASUeducation@asu.edu  
480-965-5555

## Secondary Education (Chemistry), BAE (TECHMBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full structured English immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in 6-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms. During senior year, students complete a full-time, single semester student teaching placement known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TECHMBAE-null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

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## Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms. During senior year, students complete a full-time, single semester student teaching placement known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or the Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDESSBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton  
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480-965-5555

## Secondary Education (English), BAE (TEENGBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The teacher certification program for secondary education is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in 6-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms. During senior year, students complete a single semester student teaching placement known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEENGBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu>  
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480-965-5555

## Secondary Education (German), BAE (EDGERBAE)

**Campus:** Polytechnic, Tempe, West

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: biological sciences, chemistry, earth and space sciences, English, history, mathematics, physical education, physics, political science and Spanish.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) in both content area and professional knowledge to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)  
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)  
International (<https://students.asu.edu/international/future>)  
Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDGERBAE-null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu>  
ED 118  
ASUeducation@asu.edu  
480-965-5555

## Secondary Education (History), BAE (TEHISBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The teacher certification program for secondary education is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in 6-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms. During senior year, students complete a single semester student teaching placement known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**



#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

#### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEHISBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Graduates from the secondary education program are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

#### Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

ED 118

[ASUeducation@asu.edu](mailto:ASUeducation@asu.edu)

480-965-5555

## Secondary Education (Japanese), BAE (EDJPNBAE)

**Campus:** Polytechnic, Tempe, West

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

#### Program Description:

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: biological sciences, chemistry, earth and space sciences, English, history, mathematics, physical education, physics, political science and Spanish.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) in both content area and professional knowledge to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDJPNBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

ED 118

ASUeducation@asu.edu

480-965-5555

## Secondary Education (Mathematics), BAE (TEMATBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in 6-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms. During senior year, students complete a single semester student teaching placement known as senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program provides students an opportunity to work

directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEMATBAE~null+&college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from the secondary education program are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

ED 118

[ASUeducation@asu.edu](mailto:ASUeducation@asu.edu)

480-965-5555

## Secondary Education (Physical Education), BAE (ECPPEBAE)

**Campus:** Polytechnic

**Program Description:**

The BAE program in secondary education with a physical education concentration leads to a K-12 teaching certificate. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach elementary, middle or high school students. The curriculum directly aligns with Arizona's standards for teachers and the National Association for Sport and Physical Education's beginning teacher standards. This program also provides extensive experiences in integrating technology into teaching.

experiences is to provide interns and student teachers with multiple opportunities to directly apply knowledge learned in coursework in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms. The student teaching experience in physical education includes one half-time student teaching experience in the elementary school level in Term 7 and a secondary school setting during Term 8. The student teaching experience occurs in the morning hours and is followed by further coursework in the afternoons and evenings. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experiences and student teaching provide students an opportunity to work directly with children and make an immediate impact on student achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the physical education program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified in the state of Arizona. The physical education program also requires its graduates to pass the National Evaluation Series' Physical Education Content Knowledge test for graduation.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students will be admitted to the preprofessional status and must complete additional requirements for entrance to the professional status. See department web site for more information.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECPPEBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education with a physical education concentration are recommended for certification for grades K-12. The demand for well-prepared secondary teachers is strong, with placement rates at approximately 98 percent during the last 10 years. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

SANCA 331

[ASUeducation@asu.edu](mailto:ASUeducation@asu.edu)

480-727-1103

## Secondary Education (Physics), BAE (EDPHYBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms. During senior year, students complete a full-time, single semester student teaching placement known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDPHYBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 118

ASUeducation@asu.edu

## Secondary Education (Political Science), BAE (TEPOLBAE)

**Campus:** Polytechnic, Tempe, West

### Program Description:

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in 6-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require an observation of one day per week in a 6-12 grade classroom. During senior year, students complete a full-time, single semester student teaching placement known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEPOLBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

### Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation  
https://education.asu.edu  
ED 118  
ASUeducation@asu.edu  
480-965-5555

## Secondary Education (Spanish), BAE (TESPABAE)

**Campus:** Polytechnic, Tempe, West

### Program Description:

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in 6-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms. During senior year, students complete a single semester student teaching placement known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPABAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu/>  
ED 118  
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480-965-5555

## Special Education (Visual Impairment), BAE (TESPEVIBAE)

**Campus:** Tempe, West

**Program Description:**

The BAE program in special education with a concentration in visual impairment leads to the state certification: Mild Moderate Disabilities Special Education, K-12. The certification program prepares students to work with children with mild to moderate disabilities in inclusive settings. This program also offers a full structured English immersion endorsement (Structured English Immersion, PreK-12) to work with English language learners and provides extensive experiences in integrating technology into teaching. The degree and certification programs are aligned with Arizona standards and ethical practices for the national professional organization, Council for Exceptional Children. The certification program allows graduates to work with students who have varying degrees of visual impairments (blind and partially sighted) in public, private and inclusive settings.

The program develops in students the knowledge and skills required to meet the educational needs of students with visual impairments. The curriculum focuses on diagnostic assessment, orientation and mobility skills and specific teaching methodologies for students with visual impairments. The program also has a strong focus on assistive technology to advance educational learning for the classroom and for daily living.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPEVIBAE-null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are certified to teach in a variety of special education settings such as resource rooms, self-contained classrooms and co-teaching with general educators. This degree and accompanying concentrations carries with it reciprocity with all other states to allow the certification candidates to teach in other states. Additional opportunities in the field of education also exist in terms of state agencies, curriculum design and private school opportunities.

**Contact Information:**

Teachers College, Mary Lou Fulton



Division of Teacher Preparation  
<https://education.asu.edu/>  
ED 118  
ASUeducation@asu.edu  
480-965-5555

## Special Education and Elementary Education, BAE (TESPEBAE)

**Campus:** Polytechnic, Tempe, West, ASU@The Gila Valley, ASU@Yuma

### Program Description:

Special educators make a difference in the lives of children and families. They are curious about how people learn and develop throughout their lifespan. A special education degree prepares students to understand human diversity, communicate effectively and develop problem-solving skills that support their success and that of others.

The BAE program in special education and elementary education prepares teachers to work with all students in inclusive settings. Since the general education classroom is a viable placement option for many students with mild and moderate learning and behavioral disabilities, teacher candidates learn to use evidence-based practices that promote students' success with general education content, including high leverage practices in literacy, math, sciences and social studies. They develop adaptive techniques for students with disabilities and learn to use instructional and assistive technologies to facilitate success in the general education curriculum. Since special educators work within collaborative partnerships that promote inclusive practices, these skills are emphasized throughout the professional preparation sequence, with additional training in interpersonal communication and problem-solving skills.

The special education and elementary education program is clinically embedded during the junior and senior years. This certification program provides teacher candidates with multiple opportunities to work directly with children and youth to practice what is learned during coursework in authentic settings. During the junior year, teacher candidates intern in classrooms serving students with special needs. The senior year residency is a full-time, two-semester student teaching apprenticeship. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during these clinical experiences. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Program graduates are eligible for the Standard Professional Mild/Moderate Disabilities Special Education Certificate - Grades K-12 and the Standard Professional Elementary, K-8 Certificate from the Arizona Department of Education. Those desiring to teach in a public school in Arizona must also pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/request> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPEBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

National and state studies report the projected need in the next five to 10 years will be high for special education teachers. Graduates of the

program are eligible to teach in elementary education grades K-8 and K-12 for the following high-incidence disabilities:

- emotional disorders
- intellectual disabilities (mild or moderate)
- orthopedic impairments
- other health impairments
- specific learning disabilities

Graduates can teach in a variety of inclusive educational settings, including public, charter and private schools, as well as nontraditional settings (juvenile system, children's hospital, etc.).

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu/>  
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ASUeducation@asu.edu  
480-965-5555

## 2019 - 2020 Major Map

### Accountancy, BS










School/College: [W. P. Carey School of Business](#)

Location: [Tempe campus](#), [West campus](#)

BAACCBS

**FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 101: Accountancy LEAP Program	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ACC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <a href="#">club or organization</a></li> <li>• Create your first college <a href="#">resume</a></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB)	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• COM 230 is the recommended course.</li> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• Explore student <a href="#">leadership opportunities</a> in <a href="#">W. P. Carey</a></li> <li>• Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 course with a grade of "C" or better.			
 Complete MAT 210 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 232: Financial Accounting I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• Explore <a href="#">career resources</a>.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	

Natural Science - Quantitative (SQ)	4
Elective	3
❗ Complete MAT 211 with a grade of "C" or better.	
❗ Complete ECN 211 OR ECN 212 with a grade of "C" or better.	
❗ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16.25

- Meet with your **W. P. Carey Career Coach**

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
ACC 242: Managerial Accounting I	3	C	
COM 225: Public Speaking (L) OR COM 259: Communication in Business and the Professions	3		
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	1		
❗ Complete ACC 232 with a grade of "C" or better.			
❗ Complete ECN 221 with a grade of "C" or better.			
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

- COM 225 is the recommended course.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ACC 340: External Reporting I	3	C	
★ FIN 300: Fundamentals of Finance	3	C	
ACC 350: Internal Reporting	3	C	
ENG 302: Business Writing (L)	3		
MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
★ Complete ACC 242 with a grade of "C" or better.			
Term hours subtotal:	15.25		

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ACC 440: External Reporting II	3	C	
CIS 360: Business Database Concepts	3	C	
ECN 306: Survey of International Economics (SB & G)	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ACC 444: Enterprise Process Analysis and Design	3	C	

★ LES 305: Business Law and Ethics for Managers	3	C
ACC 360: Ethics for Professional Accountants	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
Humanities, Arts and Design (HU)	3	
Term hours subtotal:	15	

- Accounting Internship Track students will replace Term 7 courses with courses listed in "Accounting Internship Track Term 7 Courses"
- All Upper Division Business Core Classes, including ECN 306 (international business course), must be completed before enrolling in WPC 480
- Attend **W. P. Carey** and **ASU Career Fairs**
- Gather **professional references**
- Update your **resume**
- Apply for **full-time career opportunities**

Term 8 106.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	<ul style="list-style-type: none"> <li>• Accounting Internship Track students will replace Term 8 courses with courses listed in "Accounting Internship Track Term 8 Courses"</li> <li>• Apply for <b>full-time career opportunities</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
ACC 430: Taxes and Business Decisions	3	C	
ACC 450: Principles of Auditing	3	C	
WPC Career Preparation Course	0.25	C	
Elective OR WPC 484: Internship	3		
Elective	1		
Term hours subtotal:	13.25		

### • Accounting Internship Track

To be eligible, students must be W. P. Carey Accountancy majors who have completed a minimum of 72 credit hours of coursework and earned a minimum cumulative GPA of 3.50 and a minimum major (ACC) GPA of 3.50. The following courses must be completed with a "C" or better prior to starting the internship: ACC 340, ACC 350, ACC 430, ACC 440, ACC 450.

Students in the Accounting Internship Track (<https://wpcarey.asu.edu/accounting-degrees/masters-internships>) complete the following courses in terms 7 and 8.

- Term 7 Note: Courses are 3 credit hours each, with the exception of Elective - 2 credit hours.
- Term 8 Note: Courses are 3 credit hours each, with the exception of ACC 484: Internship - 6 credit hours.
- Term 8 Note: ACC 484: Internship is offered Session A only. Interns are required to work full-time, 40 hours/week.

### Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Accounting Internship Track- Term 7 Courses (14 credit hrs)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	ACC 430: Taxes and Business Decisions
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ACC 450: Principles of Auditing
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	CIS 360: Business Database Concepts
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		WPC 480: W. P. Carey Capstone Course (L)
		Elective

Accounting Internship Track- Term 8 Courses  
(15 credit hrs)

ACC 360: Ethics for Professional Accountants

ACC 444: Enterprise Process Analysis and Design

ACC 484: Internship

Elective

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business, BA


School/College: [W. P. Carey School of Business](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

BABUSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Complete the <a href="#">me3</a> career interest tool</li> <li>• Join a student <a href="#">club or organization</a></li> <li>• Create your first college <a href="#">resume</a></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• Explore student leadership opportunities in <a href="#">W. P. Carey</a></li> <li>• Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• Explore <a href="#">career resources</a>.</li> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Must declare concentration by end of term 3.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		

- ❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

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  - ❖ Complete MAT 211 with a grade of "C" or better.

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  - ❖ Milestone: Selection of a concentration

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  - ❖ Minimum 2.00 GPA ASU Cumulative.

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  - Complete Mathematics (MA) requirement.

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- Term hours subtotal: 16.25

- - Not selectable as an ASU admission option.
  - Change of major into this program is not allowed.
  - Must declare concentration by the end of Term 3.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	

**Total Hours:** 47.50  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

- General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
  - Global Awareness (G)
  - Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map






### Business (Business Administration), BA


School/College: W. P. Carey School of Business

Location: Polytechnic campus, West campus, ASU@Lake Havasu

BABUSBABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time freshman</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete MAT 210 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	

Natural Science - Quantitative (SQ)	4
Elective	3
❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.	
❖ Complete MAT 211 with a grade of "C" or better.	
❖ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16.25

Term 4 47.50 - 60.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Attend <b>W. P. Carey</b> and <b>ASU</b> career fairs</li> <li>Apply for <b>internships</b> or <b>create one</b></li> <li>Develop your <b>professional online presence</b></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 60.50 - 75.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Meet with your <b>W. P. Carey Career Coach</b></li> <li>Update your <b>resume</b></li> </ul>
★ SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
General Studies Elective	3		
WPC Career Preparation Course	0.25	C	
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

Term 6 75.75 - 90.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	<ul style="list-style-type: none"> <li>Complete <b>informational interviews</b></li> <li>Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division Business Administration Elective Concentration Course	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
General Studies Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90.75 - 105.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BUS 384: Business Operations and Planning	3	C	<ul style="list-style-type: none"> <li>All Upper Division Business Core classes (including International Business course)</li> </ul>
FIN 300: Fundamentals of Finance	3	C	

LES 305: Business Law and Ethics for Managers	3	C
Upper Division Humanities, Arts and Design (HU)	3	
Elective	3	
Term hours subtotal:	15	

must be completed before enrolling in WPC 470

- Attend **W. P. Carey** and **ASU Career Fairs**
- Gather **professional references**
- Update your **resume**

Term 8 105.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ WPC 470: Business Administration Capstone	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
Complete 2 courses:			
Upper Division Business Administration Elective Concentration Course	6	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	2		
Term hours subtotal:	14.25		

- Procurement Track Courses are only available at the West campus.
- W. P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, ECN, FIN, LES, MGT, MKT, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- **ASU Language Placement:** Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Business Administration Track Courses - select 3 courses (9 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 414: Food and Agribusiness Policy Issues (L)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	AGB 420: Food Advertising and Promotion
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or	AGB 425: Food Supply Networks
WPC 448: Intensive Career Preparation or	WPC 449: Campus to Career	AGB 435: Commodity Futures and Options Markets
WPC 449: Campus to Career		AGB 445: Food Retailing
		AGB 452: Global Food and Agricultural Trade
		AGB 456: Food Product Innovation and Development
		AGB 481: Strategic Pricing in Food Markets
		BUS 424: Sales and Negotiations
		BUS 434: Business Risk Management

		COM 353: Professional Communication
		MGT 400: Cross-Cultural Management (C & G)
		MGT 420: Human Resource Management
		MGT 430: Negotiations
		PHI 360: Business and Professional Ethics (HU)
		PSY 304: Effective Thinking (L)
		SCM 354: Procurement of Services
		SCM 385: Business and Sustainability I
		TMC 320: Funding the Enterprise
		TWC 422: Social Media in the Workplace
Procurement Track Courses (offered at the West campus only) - 3 courses (9 credit hours)	Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives
SCM 354: Procurement of Services	AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology
SCM 494: Advanced Procurement	ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy
SCM 494: Public & Non-Profit Procurement	MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry
	MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions
	SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities
		COM 310: Relational Communication
		COM 312: Communication, Conflict, and Negotiation
		COM 317: Nonverbal Communication
		COM 341: Social Contexts for Performance
		COM 414: Crisis Communication
		COM 430: Leadership in Group Communication
		COM 453: Communication Training and Development
		COM 465: Intercultural Communication Workshop
		ENG 210: Introduction to Creative Writing
		ENG 213: Introduction to the Study of Language
		ENG 310: Intermediate Creative Writing
		ENG 314: Modern Grammar
		ENG 345: Selected Authors or Issues
		FAS 301: Introduction to Parenting

GCU 433: Geography of Southeast Asia

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Studies Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential  
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and  
Conversation

ROM 314: Romanian Composition and  
Conversation

RUS 101: Elementary Russian I

RUS 102: Elementary Russian II

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

SPA 111: Fundamentals of Spanish

SPA 486: Chicano/a Novel: *Áltima*, *Rafa* y  
*Lala*

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Business (Business Administration), BA



School/College: [W. P. Carey School of Business](#)




Location: [Online](#)



BABUSBABA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and ASU Career Fairs</li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• <a href="#">Research study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		

Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		





Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> </ul>
WPC Career Preparation Course	0.25	C	



Elective

3



- Meet with your **W. P. Carey Career Coach**



Term hours subtotal: 6.25

Term 3 - B 37.50 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
General Studies Elective	3		
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		




Term 4 - A 46.50 - 53.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**



Term 4 - B 53.50 - 59.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 5 - A 59.50 - 68.50 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 300: Global Supply Operations	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
General Studies Elective	3		
Term hours subtotal:	9		

- Meet with your **W. P. Carey Career Coach**

Term 5 - B 68.50 - 74.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BUS 384: Business Operations and Planning	3	C	
 MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	6.25		

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 74.75 - 81.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MKT 300: Marketing and Business Performance	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

- Complete **informational interviews**

Term 6 - B 81.75 - 90.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ FIN 300: Fundamentals of Finance	3	C
★ LES 305: Business Law and Ethics for Managers	3	C
★ Upper Division International Business Elective AND Global Awareness (G)	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		9

Term 7 - A 90.75 - 99.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Business Administration Elective (Choose Business Administration or Procurement Track)	3	C	<ul style="list-style-type: none"> <li>• All Upper Division Business Core classes (including International Business course) must be completed before enrolling in WPC 470</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> </ul>
ENG 302: Business Writing (L)	3		
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:		9	

Term 7 - B 99.75 - 105.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	
★ Upper Division Business Administration Elective (Choose Business Administration or Procurement Track)	3	C	
Term hours subtotal:		6	

Term 8 - A 105.75 - 114.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Business Administration Elective (Choose Business Administration or Procurement Track)	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> </ul>
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	2		
Term hours subtotal:		8.25	

Term 8 - B 114.00 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ WPC 470: Business Administration Capstone	3	C	
Elective	3		
Term hours subtotal:		6	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Business Administration Track Courses - select 3 courses (9 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 420: Food Advertising and Promotion

WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	AGB 425: Food Supply Networks
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	AGB 435: Commodity Futures and Options Markets
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		AGB 445: Food Retailing
		AGB 456: Food Product Innovation and Development
		AGB 481: Strategic Pricing in Food Markets
		MGT 400: Cross-Cultural Management (C & G)
		MGT 420: Human Resource Management
		MGT 430: Negotiations
		PHI 360: Business and Professional Ethics (HU)
		SCM 354: Procurement of Services
		SCM 385: Business and Sustainability I
		TMC 320: Funding the Enterprise
		TWC 422: Social Media in the Workplace
Procurement Track Courses - 3 courses (9 credit hours)	Upper Division International Business Course- select one course (3 credit hours)	General Studies Electives
SCM 354: Procurement of Services	AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology
SCM 494: Advanced Procurement	ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry
SCM 494: Public & Non-Profit Procurement	MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions
	MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation
	SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication
		COM 430: Leadership in Group Communication
		COM 453: Communication Training and Development
		ENG 210: Introduction to Creative Writing
		ENG 310: Intermediate Creative Writing
		ENG 345: Selected Authors or Issues
		FAS 301: Introduction to Parenting
		MAT 242: Elementary Linear Algebra
		MAT 243: Discrete Mathematical Structures
		POR 101: Elementary Portuguese
		ROM 101: Elementary Romanian
		SPA 101: Elementary Spanish I

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map


### Business (Communication), BA

School/College: [W. P. Carey School of Business](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#), [ASU@Lake Havasu](#)  
BABUSCBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
Elective	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete MAT 210 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB)	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		

❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"><li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li><li>• Attend <b>W. P. Carey</b> and ASU career fairs</li><li>• Apply for <b>internships</b> or <b>create one</b></li><li>• Develop your <b>professional online presence</b></li></ul>
COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		



Term 5 62.50 - 78.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 259: Communication in Business and the Professions	3	C	<ul style="list-style-type: none"><li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program</li><li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li><li>• Meet with your <b>W. P. Carey Career Coach</b></li><li>• Update your <b>resume</b></li></ul>
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	16.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 312: Communication, Conflict, and Negotiation	3	C	<ul style="list-style-type: none"><li>• Complete <b>informational interviews</b></li><li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li></ul>
★ COM 400: Communication in Professions (HU & C) OR COM 451: Communication and Work Relationships	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93.75 - 107.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 430: Leadership in Group Communication	3	C	<ul style="list-style-type: none"><li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li><li>• Gather <b>professional references</b></li><li>• Update your <b>resume</b></li></ul>
FIN 300: Fundamentals of Finance	3	C	

Upper Division Humanities, Arts and Design (HU)	3
Upper Division Elective OR WPC 484: Internship	3
Upper Division Elective	2
Term hours subtotal:	14

- Meet with your academic advisor to discuss your internship course options

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 COM 453: Communication Training and Development	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	12.25		

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Business (Communication), BA




School/College: [W. P. Carey School of Business](#)




Location: [Online](#)



BABUSCBA




**FT** Fast Track Options: 2.5 Year | 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a></li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and ASU Career Fairs</li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		

Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6.25		

Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore career resources.</li> <li>• Meet with your W. P. Carey Career Coach</li> </ul>
❖ COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB)	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	6.25		

Term 3 - B 37.50 - 46.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Elective	3		
❖ Complete ECN 211 AND ECN 212.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 46.50 - 52.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend W. P. Carey and ASU career fairs</li> <li>• Apply for internships or create one</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB)	3	C	
Term hours subtotal:	6		

Term 4 - B 52.50 - 59.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 59.50 - 68.50 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 259: Communication in Business and the Professions	3	C	<ul style="list-style-type: none"> <li>• Meet with your W. P. Carey Career Coach</li> </ul>
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
Term hours subtotal:	9		

Term 5 - B 68.50 - 75.75 Credit Hours	Hours	Minimum Grade	Notes
MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
WPC Career Preparation Course	0.25	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7.25		

Term 6 - A 75.75 - 84.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 312: Communication, Conflict, and Negotiation	3	C	<ul style="list-style-type: none"> <li>• Complete informational interviews</li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	



Upper Division Humanities, Arts and Design (HU) 3

Term hours subtotal: 9

<b>Term 6 - B 84.75 - 93.75 Credit Hours Necessary course signified by</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ COM 400: Communication in Professions (HU & C)	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

<b>Term 7 - A 93.75 - 102.75 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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FIN 300: Fundamentals of Finance	3	C	• Attend W. P. Carey and ASU Career Fairs
SCM 300: Global Supply Operations	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	9		

<b>Term 7 - B 102.75 - 108.75 Credit Hours Necessary course signified by</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ COM 430: Leadership in Group Communication	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	6		

<b>Term 8 - A 108.75 - 114.00 Credit Hours Necessary course signified by</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ COM 453: Communication Training and Development	3	C	• Apply for full-time career opportunities
WPC Career Preparation Course	0.25	C	
Upper Division Elective	2		
Term hours subtotal:	5.25		

<b>Term 8 - B 114.00 - 120.00 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		

MKT 425: Global Marketing Management (G)

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SCM 463: Global Supply Chain Management  
(G)

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**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Business (Corporate Accounting), BA



School/College: [W. P. Carey School of Business](#)




Location: [Online](#)



BABUSCABA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ACC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a student <a href="#">club or organization</a></li> </ul>
Humanities, Arts and Design (HU)	3		
Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		




Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Join the W. P. Carey <a href="#">mentorship programs</a></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	9		

Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB)	3		
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		

Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> <li>• Meet with your W. P. Carey Career Coach</li> </ul>
WPC Career Preparation Course	0.25	C	
Historical Awareness (H)	3		

Term hours subtotal: 6.25

Term 3 - B 37.50 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			


Term hours subtotal: 9


Term 4 - A 46.50 - 55.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 ECN 221: Business Statistics (CS)	3	C	
COM 225: Public Speaking (L) OR COM 259: Communication in Business and the Professions	3		
Humanities, Arts and Design (HU)	3		

Term hours subtotal: 9


- Apply for internships or create one

Term 4 - B 55.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ)	4		
Elective OR Literacy and Critical Inquiry (L)	3		
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 7

- If COM 259 was completed instead of COM 225 in Term 4-A, students will need to take a Literacy and Critical Inquiry (L) course to satisfy the General Studies university requirement.

Term 5 - A 62.50 - 71.50 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 ACC 310: Intermediate Accounting for Corporate Accountants	3	C	
SCM 300: Global Supply Operations	3	C	
SOC OR PSY course (SB)	3		

Term hours subtotal: 9


- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Meet with your W. P. Carey Career Coach

Term 5 - B 71.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 ACC 320: Management Accounting for Corporate Accountants I	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
WPC Career Preparation Course	0.25	C	

Term hours subtotal: 6.25

Term 6 - A 77.75 - 86.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 ACC 354: Governance, Risk, Compliance Internal Controls and Ethics	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	

Term hours subtotal: 9

- Complete informational interviews

<b>Term 6 - B 86.75 - 92.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ ACC 410: Financial Statement Analysis	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

<b>Term 7 - A 92.75 - 98.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ ACC 420: Management Accounting for Corporate Accountants II	3	C	• Apply for full-time career opportunities
FIN 300: Fundamentals of Finance	3	C	
Term hours subtotal:	6		

<b>Term 7 - B 98.75 - 105.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ ACC 454: Taxes for Corporate Accountants	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

<b>Term 8 - A 105.75 - 112.00 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ WPC Career Preparation Course	0.25	C	• Apply for full-time career opportunities
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	6.25		

<b>Term 8 - B 112.00 - 120.00 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
MGT 300: Organization and Management Leadership	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	2		
Term hours subtotal:	8		

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course - select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management  
(G)

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business (Food Industry Management), BA


School/College: [W. P. Carey School of Business](#)

Location: [Polytechnic campus](#)

BABUSFIMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a <a href="#">student club or organization</a></li> <li>• Create your first college <a href="#">resume</a></li> </ul>
AGB 100: Introduction to Agribusiness	3	C	
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• Explore student <a href="#">leadership opportunities</a> in <a href="#">W. P. Carey</a></li> <li>• Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• Explore <a href="#">career resources</a>.</li> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		

❗ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❗ Complete MAT 211 with a grade of "C" or better.

❗ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 60.50 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"><li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li><li>• Attend <b>W. P. Carey</b> and <b>ASU</b> career fairs</li><li>• Apply for <b>internships</b> or <b>create</b> one</li><li>• Develop your <b>professional online presence</b></li></ul>
AGB 250: Economics of Resource Allocation: Food and Agriculture	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❗ Complete ACC 231 with a grade of "C" or better.			
❗ Complete ECN 221 with a grade of "C" or better.			
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 60.50 - 75.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"><li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li><li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li><li>• Meet with your <b>W. P. Carey Career Coach</b></li><li>• Update your <b>resume</b></li><li>• Meet with your <b>academic advisor</b> to discuss your internship course options</li></ul>
★ MKT 300: Marketing and Business Performance	3	C	
ENG 302: Business Writing (L)	3		
SCM 300: Global Supply Operations	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

Term 6 75.75 - 90.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AGB 420: Food Advertising and Promotion	3	C	<ul style="list-style-type: none"><li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li></ul>
★ AGB 425: Food Supply Networks	3	C	
AGB 302: International Management and Agribusiness (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C	
MGT 300: Organization and Management Leadership	3	C	
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90.75 - 105.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AGB 435: Commodity Futures and Options Markets	3	C	<ul style="list-style-type: none"><li>• Attend <b>W. P. Carey</b> and <b>ASU</b> Career Fairs</li><li>• Gather <b>professional references</b></li></ul>
★ AGB 456: Food Product Innovation and Development	3	C	



LES 305: Business Law and Ethics for Managers	3	C	• Update your resume
Upper Division General Studies Elective	3		
Elective OR AGB 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:	15		

★ Term 8 105.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 445: Food Retailing	3	C	• Apply for full-time career opportunities
★ AGB 481: Strategic Pricing in Food Markets	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC Career Preparation Course	0.25	C	
General Studies Elective	3		
Upper Division Elective	2		
Term hours subtotal:	14.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)
General Studies Electives	General Studies Electives Continued	
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin	
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin	
COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra	
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures	
COM 281: Communication Activities	MAT 310: Introduction to Geometry	
COM 310: Relational Communication	MAT 342: Linear Algebra	
COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus	
	MAT 371: Advanced Calculus I	
	MAT 372: Advanced Calculus II	

COM 317: Nonverbal Communication	MAT 410: Introduction to General Topology
COM 341: Social Contexts for Performance	MAT 415: Introduction to Combinatorics
COM 414: Crisis Communication	MAT 416: Introduction to Graph Theory
COM 430: Leadership in Group Communication	MAT 442: Advanced Linear Algebra
COM 453: Communication Training and Development	MAT 443: Introduction to Abstract Algebra
COM 465: Intercultural Communication Workshop	MAT 444: Intermediate Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 445: Theory of Numbers
ENG 213: Introduction to the Study of Language	MAT 460: Vector Calculus
ENG 310: Intermediate Creative Writing	MAT 461: Applied Complex Analysis
ENG 314: Modern Grammar	MAT 462: Applied Partial Differential Equations
ENG 345: Selected Authors or Issues	MAT 472: Intermediate Real Analysis I
FAS 301: Introduction to Parenting	MAT 475: Differential Equations
GCU 433: Geography of Southeast Asia	MAT 485: History of Mathematics
GRK 101: Elementary Ancient Greek	POR 101: Elementary Portuguese
GRK 201: Intermediate Ancient Greek	ROM 101: Elementary Romanian
HST 389: Japan Society and Values/Premod	ROM 201: Intermediate Romanian
IDN 101: Elementary Indonesian I	ROM 313: Romanian Composition and Conversation
IDN 102: Elementary Indonesian II	ROM 314: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	RUS 101: Elementary Russian I
JPN 414: Introduction to Classical Japanese	RUS 102: Elementary Russian II
KOR 101: First-Year Korean I	SHS 101: American Sign Language I
KOR 102: First-Year Korean II	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: Áltima, Rafa y Lala

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Business (Food Industry Management), BA



School/College: [W. P. Carey School of Business](#)




Location: [Online](#)



BABUSFIMBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific First Year Seminar is required for all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		




Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and ASU Career Fairs</li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• <a href="#">Research study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	9		



Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		

Term 3 - A 31.25 - 40.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		


Elective	3
Term hours subtotal:	9




- Meet with your **W. P. Carey Career Coach**

Term 3 - B 40.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Complete ECN 211 AND ECN 212 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7.25		



Term 4 - A 47.50 - 53.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
AGB 250: Economics of Resource Allocation: Food and Agriculture	3	C	
Term hours subtotal:	6		

- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**

Term 4 - B 53.50 - 59.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
General Education Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 5 - A 59.50 - 68.50 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MKT 300: Marketing and Business Performance	3	C	
 SCM 300: Global Supply Operations	3	C	
General Education Elective	3		
Term hours subtotal:	9		

- Meet with your **W. P. Carey Career Coach**

Term 5 - B 68.50 - 75.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7.25		

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 75.75 - 81.75 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		

- Complete an in person or virtual **practice interview**

Term 6 - B 81.75 - 90.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ AGB 420: Food Advertising and Promotion	3	C
★ FIN 300: Fundamentals of Finance	3	C
Upper Division International Business Course AND Global Awareness (G)	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		9

★ Term 7 - A 90.75 - 99.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ AGB 456: Food Product Innovation and Development	3	C	• Attend W. P. Carey and ASU Career Fairs
Upper Division Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:		9	

★ Term 7 - B 99.75 - 105.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ AGB 435: Commodity Futures and Options Markets	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Term hours subtotal:		6	

★ Term 8 - A 105.75 - 114.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ AGB 445: Food Retailing	3	C	• Apply for full-time career opportunities
★ AGB 481: Strategic Pricing in Food Markets	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective	2		
Term hours subtotal:		8.25	

★ Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ AGB 425: Food Supply Networks	3	C	
Upper Division Elective OR AGB 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:		6	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

ECN 306: Survey of International Economics  
(SB & G)

MGT 302: Principles of International Business  
(G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management  
(G)

#### General Education Electives

BIO 320: Fundamentals of Ecology

COM 207: Introduction to Communication  
Inquiry

COM 259: Communication in Business and  
the Professions

COM 312: Communication, Conflict, and  
Negotiation

COM 414: Crisis Communication

COM 430: Leadership in Group  
Communication

COM 453: Communication Training and  
Development

ENG 210: Introduction to Creative Writing

ENG 310: Intermediate Creative Writing

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map






### Business (Global Agribusiness), BA


School/College: [W. P. Carey School of Business](#)

Location: [Polytechnic campus](#)

BABUSGAGBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
AGB 100: Introduction to Agribusiness	3	C	
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete MAT 210 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		

❗ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❗ Complete MAT 211 with a grade of "C" or better.

❗ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"><li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li><li>• Attend <b>W. P. Carey</b> and <b>ASU</b> career fairs</li><li>• Apply for <b>internships</b> or <b>create one</b></li><li>• Develop your <b>professional online presence</b></li></ul>
AGB 250: Economics of Resource Allocation: Food and Agriculture	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	1		
❗ Complete ACC 231 with a grade of "C" or better.			
❗ Complete ECN 221 with a grade of "C" or better.			
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"><li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li><li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li><li>• Meet with your <b>W. P. Carey Career Coach</b></li><li>• Update your <b>resume</b></li></ul>
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC Career Preparation Course	0.25	C	
Elective	3		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AGB 321: Agribusiness Marketing	3	C	<ul style="list-style-type: none"><li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li></ul>
★ BUS 434: Business Risk Management OR AGB 333: Agribusiness Finance	3	C	
AGB 302: International Management and Agribusiness (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AGB 410: Agribusiness Management	3	C	<ul style="list-style-type: none"><li>• Attend <b>W. P. Carey</b> and <b>ASU</b> Career Fairs</li></ul>
★ AGB 435: Commodity Futures and Options Markets	3	C	

★ AGB 452: Global Food and Agricultural Trade	3	C
LES 305: Business Law and Ethics for Managers	3	C
MGT 300: Organization and Management Leadership	3	C
Term hours subtotal:	15	

- Gather professional references
- Update your resume

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ AGB 414: Food and Agribusiness Policy Issues (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
Upper Division General Studies Elective	3		
General Studies Elective	3		
WPC Career Preparation Course	0.25	C	
Upper Division Elective	1		
Elective OR AGB 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)
General Studies Electives	General Studies Electives Continued	
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin	
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin	
COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra	
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures	
COM 281: Communication Activities	MAT 310: Introduction to Geometry	
COM 310: Relational Communication	MAT 342: Linear Algebra	
COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus	
	MAT 371: Advanced Calculus I	
	MAT 372: Advanced Calculus II	

COM 317: Nonverbal Communication	MAT 410: Introduction to General Topology
COM 341: Social Contexts for Performance	MAT 415: Introduction to Combinatorics
COM 414: Crisis Communication	MAT 416: Introduction to Graph Theory
COM 430: Leadership in Group Communication	MAT 442: Advanced Linear Algebra
COM 453: Communication Training and Development	MAT 443: Introduction to Abstract Algebra
COM 465: Intercultural Communication Workshop	MAT 444: Intermediate Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 445: Theory of Numbers
ENG 213: Introduction to the Study of Language	MAT 460: Vector Calculus
ENG 310: Intermediate Creative Writing	MAT 461: Applied Complex Analysis
ENG 314: Modern Grammar	MAT 462: Applied Partial Differential Equations
ENG 345: Selected Authors or Issues	MAT 472: Intermediate Real Analysis I
FAS 301: Introduction to Parenting	MAT 475: Differential Equations
GCU 433: Geography of Southeast Asia	MAT 485: History of Mathematics
GRK 101: Elementary Ancient Greek	POR 101: Elementary Portuguese
GRK 201: Intermediate Ancient Greek	ROM 101: Elementary Romanian
HST 389: Japan Society and Values/Premod	ROM 201: Intermediate Romanian
IDN 101: Elementary Indonesian I	ROM 313: Romanian Composition and Conversation
IDN 102: Elementary Indonesian II	ROM 314: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	RUS 101: Elementary Russian I
JPN 414: Introduction to Classical Japanese	RUS 102: Elementary Russian II
KOR 101: First-Year Korean I	SHS 101: American Sign Language I
KOR 102: First-Year Korean II	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: Áltima, Rafa y Lala

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Business (Global Leadership), BA



School/College: [W. P. Carey School of Business](#)




Location: [Online](#)



BABUSGBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a></li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		





Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• <a href="#">Research study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		



Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		

Term 3 - A 31.25 - 40.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		



Elective	3
Term hours subtotal:	9

- Meet with your **W. P. Carey Career Coach**

Term 3 - B 40.25 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
WPC Career Preparation Course	0.25	C	
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		



Term 4 - A 46.50 - 53.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**

Term 4 - B 53.50 - 59.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
General Studies Elective	3		
Literacy and Critical Inquiry (L)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 5 - A 59.50 - 68.50 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
Term hours subtotal:	9		

- Meet with your **W. P. Carey Career Coach**

Term 5 - B 68.50 - 75.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7.25		

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 75.75 - 81.75 Credit Hours	Hours	Minimum Grade	Notes
POS 486: International Political Economy (SB & G) OR POS 350: Comparative Politics (SB & G)	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		

- Complete an in person or virtual **practice interview**

Term 6 - B 81.75 - 90.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ Upper Division International Business Course AND Global Awareness (G)	3	C	• Cannot share Upper Division International Business Elective with concentration course requirements.
FIN 300: Fundamentals of Finance	3	C	
General Studies Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 90.75 - 96.75 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Global Leadership Elective	3	C	• Attend W. P. Carey and ASU Career Fairs
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	6		

Term 7 - B 96.75 - 104.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Elective	2		
Term hours subtotal:	8		

Term 8 - A 104.75 - 111.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 430: Negotiations OR SCM 463: Global Supply Chain Management (G)	3	C	• SCM 463 cannot count as both International Business course requirement and major course. If SCM 463 is taken here, select another course to fulfill International Business course requirement. • Apply for full-time career opportunities
Upper Division Global Leadership Elective	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	6.25		

Term 8 - B 111.00 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 400: Cross-Cultural Management (C & G)	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Elective	3		
Term hours subtotal:	9		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Global Leadership Electives - select two courses (6 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	
WPC 348: Junior Career Preparation		



WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	ECN 306: Survey of International Economics (SB & G)
		HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)
		JUS 350: Immigration and Justice (SB & C)
		MGT 302: Principles of International Business (G)
		MKT 425: Global Marketing Management (G)
		POS 350: Comparative Politics (SB & G)
		POS 360: World Politics (SB & G)
		POS 486: International Political Economy (SB & G)
		SCM 463: Global Supply Chain Management (G)
		SOC 352: Social Change (SB & G & H)
Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	
ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry	
MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	
MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation	
SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication	
	COM 430: Leadership in Group Communication	
	COM 453: Communication Training and Development	
	ENG 210: Introduction to Creative Writing	
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	
	FAS 301: Introduction to Parenting	
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	POR 101: Elementary Portuguese	
	ROM 101: Elementary Romanian	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business (Global Logistics Management), BA


School/College: W. P. Carey School of Business

Location: West campus

BABUSGLBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		

Elective	3
.....	
❖ Complete ECN 211 or ECN 212 with a "C" or better.	
.....	
❖ Complete MAT 211 with a "C" or better.	
.....	
❖ Minimum 2.00 GPA ASU Cumulative.	
.....	
Complete Mathematics (MA) requirement.	
.....	
Term hours subtotal:	16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU career fairs</li> <li>• Apply for <b>internships</b> or <b>create one</b></li> <li>• Develop your <b>professional online presence</b></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	1		
❖ Complete ACC 231 with a "C" or better.			
❖ Complete ECN 221 with a "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
.....			
Term hours subtotal:	14		

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 300: Global Supply Operations	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
ENG 302: Business Writing (L)	3		
FIN 300: Fundamentals of Finance	3	C	
MKT 300: Marketing and Business Performance	3	C	
WPC Career Preparation Course	0.25	C	
Elective	3		
★ Complete ACC 241 with a "C" or better.			
.....			
Term hours subtotal:	15.25		

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 354: Procurement of Services	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
MGT 300: Organization and Management Leadership	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
General Studies Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
.....			
Term hours subtotal:	15		

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 314: Analytics for Logistics	3	C	<ul style="list-style-type: none"> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Gather <b>professional references</b></li> </ul>
★ SCM 344: Applied Logistics Management	3	C	
.....			

★ SCM 385: Business and Sustainability I	3	C	• Update your resume
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	15		

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	• Apply for full-time career opportunities
★ SCM 445: Advanced Logistics Management	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC Career Preparation Course	0.25	C	
General Studies Elective	3		
Upper Division Elective	1		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)
General Studies Electives	General Studies Electives Continued	
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin	
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin	
COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra	
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures	
COM 281: Communication Activities	MAT 310: Introduction to Geometry	
COM 310: Relational Communication	MAT 342: Linear Algebra	
COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus	
	MAT 371: Advanced Calculus I	
	MAT 372: Advanced Calculus II	

COM 317: Nonverbal Communication	MAT 410: Introduction to General Topology
COM 341: Social Contexts for Performance	MAT 415: Introduction to Combinatorics
COM 414: Crisis Communication	MAT 416: Introduction to Graph Theory
COM 430: Leadership in Group Communication	MAT 442: Advanced Linear Algebra
COM 453: Communication Training and Development	MAT 443: Introduction to Abstract Algebra
COM 465: Intercultural Communication Workshop	MAT 444: Intermediate Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 445: Theory of Numbers
ENG 213: Introduction to the Study of Language	MAT 460: Vector Calculus
ENG 310: Intermediate Creative Writing	MAT 461: Applied Complex Analysis
ENG 314: Modern Grammar	MAT 462: Applied Partial Differential Equations
ENG 345: Selected Authors or Issues	MAT 472: Intermediate Real Analysis I
FAS 301: Introduction to Parenting	MAT 475: Differential Equations
GCU 433: Geography of Southeast Asia	MAT 485: History of Mathematics
GRK 101: Elementary Ancient Greek	POR 101: Elementary Portuguese
GRK 201: Intermediate Ancient Greek	ROM 101: Elementary Romanian
HST 389: Japan Society and Values/Premod	ROM 201: Intermediate Romanian
IDN 101: Elementary Indonesian I	ROM 313: Romanian Composition and Conversation
IDN 102: Elementary Indonesian II	ROM 314: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	RUS 101: Elementary Russian I
JPN 414: Introduction to Classical Japanese	RUS 102: Elementary Russian II
KOR 101: First-Year Korean I	SHS 101: American Sign Language I
KOR 102: First-Year Korean II	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa</i> y <i>Lala</i>

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Business (Global Logistics Management), BA

School/College: W. P. Carey School of Business

Location:

BABUSGLBA





and





International





Trade, BS

Thunderbird School of Global Management

TBINTRABS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Create your <b>LinkedIn profile</b>.</li> <li>• Create your <b>Handshake profile</b>.</li> </ul>
 MAT 210: Brief Calculus (MA)	3	C	
 TGM 101: Principles of Global Management (G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TGM 191: First-Year Seminar OR WPC 101: Student Success in Business	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 2 16 - 32.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or a <b>volunteer experience</b>.</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
 MAT 211: Mathematics for Business Analysis	3	C	
COM 225: Public Speaking (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16.25		

Term 3 32.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• To register for COM 263, a minimum 2.00 GPA is required.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 ECN 221: Business Statistics (CS)	3	C	
TGM 204: Principles of Marketing for Global Organizations OR MKT 300: Marketing and Business Performance	3	C	
WPC Career Preparation Course	0.25	C	



Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

❖ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15.25

Term 4 47.50 - 60.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Be sure to take upcoming SCM courses in the term indicated, due to limited section availability on West campus.</li> <li>• To register for LES 305, a minimum 2.50 GPA is required.</li> </ul>
COM 263: Elements of Intercultural Communication (SB & C & G)	3	C	
ECN 306: Survey of International Economics (SB & G)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	13		

Term 5 60.50 - 75.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 300: Global Supply Operations OR TGM 310: Supply Chain Operations for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• Work with your advisor to start planning your required <b>internship experience</b>.</li> </ul>
★ TGM 312: Big Data in the Global Economy	3	C	
★ TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	15.25		

Term 6 75.75 - 90.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance OR TGM 300: Principles of Finance for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• TGM 484: Internship (minimum of 3 credit hours) suggested during summer term or Term 7. Work with your advisor to start planning your required <b>internship experience</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ SCM 354: Procurement of Services	3	C	
★ TGM 353: Regional Management Environment (G)	3	C	
★ TGM 430: International Trade and Regional Economic Agreements	3	C	
MGT 300: Organization and Management Leadership	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90.75 - 105.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 314: Analytics for Logistics	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ SCM 344: Applied Logistics Management	3	C	
★ SCM 385: Business and Sustainability I	3	C	
★ TGM 484: Internship	3	C	
★ TGM 489: Multinational Organizational Leadership	3	C	
Term hours subtotal:	15		

Term 8 105.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SCM 445: Advanced Logistics Management	3	C
★ TGM 460: Global Risk Assessment and Management	3	C
★ TGM 498: Pro-Seminar (L)	3	C
MGT 411: Leading Organizations	3	C
WPC Career Preparation Course	0.25	C
Elective	2	
Term hours subtotal:		14.25

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Business (Global Logistics Management), BA



School/College: [W. P. Carey School of Business](#)




Location: [Online](#)



BABUSGLBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>ASU 101 or College specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a></li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> <li>Join the <a href="#">W. P. Carey mentorship programs</a></li> <li><a href="#">Research study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	9		

Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		





Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Explore <a href="#">career resources</a>.</li> </ul>
WPC Career Preparation Course	0.25	C	



Elective

3



Term hours subtotal: 6.25



- Meet with your **W. P. Carey Career Coach**

Term 3 - B 37.50 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
General Studies Elective	3		
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		



Term 4 - A 46.50 - 53.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or **create one**


Term 4 - B 53.50 - 59.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
General Studies Elective	3		
Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 5 - A 59.50 - 68.50 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
Term hours subtotal:	9		

- Meet with your **W. P. Carey Career Coach**

Term 5 - B 68.50 - 75.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7.25		

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 75.75 - 81.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 354: Procurement of Services	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		

- Complete an in person or virtual **practice interview**

Term 6 - B 81.75 - 90.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ FIN 300: Fundamentals of Finance	3	C
Upper Division International Business Course AND Global Awareness (G)	3	C
Upper Division Humanities, Arts and Design (HU)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	9	

★ Term 7 - A 90.75 - 96.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ SCM 314: Analytics for Logistics	3	C	• Attend W. P. Carey and ASU Career Fairs
★ SCM 385: Business and Sustainability I	3	C	
Term hours subtotal:	6		

★ Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	
★ SCM 344: Applied Logistics Management	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Term hours subtotal:	9		

★ Term 8 - A 105.75 - 114.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ SCM 445: Advanced Logistics Management	3	C	• Apply for full-time career opportunities
WPC Career Preparation Course	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	2		
Term hours subtotal:	8.25		

Term 8 - B 114.00 - 120.00 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	6		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Students cannot share Upper Division International Business Elective with concentration course requirements.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)

WPC 248: Sophomore Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

ECN 306: Survey of International Economics  
(SB & G)

MGT 302: Principles of International Business  
(G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management  
(G)

#### General Studies Electives

BIO 320: Fundamentals of Ecology

COM 207: Introduction to Communication  
Inquiry

COM 259: Communication in Business and  
the Professions

COM 312: Communication, Conflict, and  
Negotiation

COM 414: Crisis Communication

COM 430: Leadership in Group  
Communication

COM 453: Communication Training and  
Development

ENG 210: Introduction to Creative Writing

ENG 310: Intermediate Creative Writing

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business (Global Politics), BA


School/College: [W. P. Carey School of Business](#)

Location: [Tempe campus](#)

BABUSGPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		



Elective 3

❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ Global Politics Concentration Course

3 C

ACC 241: Uses of Accounting Information II

3 C

Literacy and Critical Inquiry (L)

3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

Upper Division Elective

1

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Global Politics Concentration Course

3 C

ENG 302: Business Writing (L)

3

FIN 300: Fundamentals of Finance

3 C

MGT 300: Organization and Management Leadership

3 C

WPC Career Preparation Course

0.25 C

Cultural Diversity in the U.S. (C)

3

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 15.25

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ POS 350: Comparative Politics (SB & G)

3 C

MKT 300: Marketing and Business Performance

3 C

WPC 300: Problem Solving and Actionable Analytics

3 C

Upper Division Global Politics Concentration Course

3 C

Upper Division Elective OR POS 484: Internship OR WPC 484: Internship

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**
- Meet with your academic advisor to discuss your internship course options

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ POS 360: World Politics (SB & G)

3 C

SCM 300: Global Supply Operations

3 C

- Attend **W. P. Carey** and ASU Career Fairs
- Gather **professional references**
- Update your **resume**

Upper Division Humanities, Arts and Design (HU)	3
Upper Division Elective OR POS 484: Internship OR WPC 484: Internship	3
Elective	3
Term hours subtotal:	15

- Meet with your academic advisor to discuss your internship course options

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Politics Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective OR POS 484: Internship OR WPC 484: Internship	3		
Upper Division Elective	1		
Term hours subtotal:	13.25		

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Global Politics Concentration (Comparative Politics) - select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	POS 150: Comparative Government (SB & G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	POS 352: European Democracies
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	POS 358: Southeast Asia (SB & G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		POS 452: China (SB & G)
		POS 453: Latin America (SB & G)
Global Politics Concentration (Global Issues and Problems) - select two courses (6 credit hours)	Global Politics Concentration (World Politics) - select one course (3 credit hours)	Upper Division International Business Course - select one course (3 credit hours)
POS 351: Democratization (SB & G)	POS 300: Contemporary Global Controversies (SB & G)	AGB 302: International Management and Agribusiness (G)
POS 361: American Foreign Policy (SB & G)	POS 486: International Political Economy (SB & G)	ECN 306: Survey of International Economics (SB & G)
POS 364: National Security, Intelligence, and Terrorism (SB)	SGS 101: Thinking Globally: The Individual and Authority (SB & G) or SGS 301: Principles of Global Studies (G)	MGT 302: Principles of International Business (G)
POS 367: World Politics and Global Inequalities (G)	SGS 350: Economic Development and Globalization	MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map Business (Health Care), BA


School/College: [W. P. Carey School of Business](#)

Location: [West campus](#)

BABUSHCBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time freshman</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b></li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
General Studies Elective	3		

WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ)	4	
❖ Complete ECN 211 or ECN 212 course(s) with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16.25	

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU career fairs</li> <li>• Apply for <b>internships</b> or create one</li> <li>• Develop your <b>professional online presence</b></li> </ul>
HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	1		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>• Choose one of the available five Health Care tracks and within that track, complete at least four courses (12 credit hours).</li> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
★ SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
Business Health Care Track Course	3	C	
WPC Career Preparation Course	0.25	C	
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Business Health Care Track Course	3	C	<ul style="list-style-type: none"> <li>• Complete <b>informational interviews</b></li> <li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division General Studies Elective	3		
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Business Health Care Track Course	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 470</li> <li>Attend <b>W. P. Carey</b> and <b>ASU</b> Career Fairs</li> <li>Gather <b>professional references</b></li> <li>Update your <b>resume</b></li> </ul>
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Business Health Care Track Course	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	15		

Term 8 106.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ WPC 470: Business Administration Capstone	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b></li> </ul>
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	4		
Elective	3		
Term hours subtotal:	13.25		

- W. P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, ECN, FIN, LES, MGT, MKT, QBA, REA, SCM, WPC.
  - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
  - ASU Language Placement:** Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Health Care Analytics - 4 courses (12 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	CIS 235: Introduction to Information Systems
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	CIS 308: Advanced Excel in Business
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	CIS 310: Business Data Visualization
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		CIS 405: Business Intelligence
Health Care Community - 4 courses (12 credit hours)	Health Care Coordination - 4 courses (12 credit hours)	Health Care Delivery - 4 courses (12 credit hours)
HCR 231: Fundamentals of Community Health	HCR 302: Social Determinants of Health	HCD 302: Health Care Management
HCR 335: Program Development and Management for Community Health	HCR 321: Advanced Concepts for Health Care Coordination	HCD 303: Global Health Care Systems (G)
HCR 430: Foundation to Health Care Systems	HCR 420: Professional Role Development: Health Care Coordination	HCD 304: Health Care Finance
		HCD 330: Health Care Systems in the U.S.

HCR 435: Leaders in Community Health	HCR 422: Policy and Financial Principles in Health Care Coordination	HCD 401: Leadership and Professionalism
		HCD 402: Health Economics
		HCD 403: Process Engineering
Health Care Innovation - 4 courses (12 credit hours)	Upper Division International Business Course - one course (3 credit hours)	General Studies Electives
HCI 311: Health Innovation: Foundational Concepts	AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology
HCI 421: Health Care Policy: The Innovator's View	ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy
HCI 425: Facilitating Innovation to Achieve Outcomes	MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry
HCI 428: Technology: A Tool to Advance Innovation in Health Care	MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions
	SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities
		COM 310: Relational Communication
		COM 312: Communication, Conflict, and Negotiation
		COM 317: Nonverbal Communication
		COM 341: Social Contexts for Performance
		COM 414: Crisis Communication
		COM 430: Leadership in Group Communication
		COM 453: Communication Training and Development
		COM 465: Intercultural Communication Workshop
		ENG 210: Introduction to Creative Writing
		ENG 213: Introduction to the Study of Language
		ENG 310: Intermediate Creative Writing
		ENG 314: Modern Grammar
		ENG 345: Selected Authors or Issues
		FAS 301: Introduction to Parenting
		GCU 433: Geography of Southeast Asia
		GER 101: Elementary German I (G)
		GER 102: Elementary German II (G)
		GRK 101: Elementary Ancient Greek
		GRK 201: Intermediate Ancient Greek
		HST 389: Japan Society and Values/Premod
		IDN 101: Elementary Indonesian I
		IDN 102: Elementary Indonesian II

ITA 420: Italian Cinema (L & G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Studies Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential  
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and  
Conversation

ROM 314: Romanian Composition and  
Conversation

RUS 101: Elementary Russian I



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RUS 102: Elementary Russian II

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SHS 101: American Sign Language I

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SHS 102: American Sign Language II

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SHS 201: American Sign Language III

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SHS 202: American Sign Language IV

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SPA 101: Elementary Spanish I

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SPA 102: Elementary Spanish II

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SPA 111: Fundamentals of Spanish

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SPA 486: Chicano/a Novel: *Áltima, Rafa y Lala*

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**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business (Human Resources), BA


School/College: [W. P. Carey School of Business](#)

Location: [Polytechnic campus](#)

BABUSHRBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
General Studies Elective	3		
WPC Career Preparation Course	0.25	C	

Natural Science - Quantitative (SQ) 4

❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

Cultural Diversity in the U.S. (C) 3

Literacy and Critical Inquiry (L) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Upper Division Elective 1

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MGT 300: Organization and Management Leadership 3 C

ENG 302: Business Writing (L) 3

MKT 300: Marketing and Business Performance 3 C

SCM 300: Global Supply Operations 3 C

General Studies Elective 3

WPC Career Preparation Course 0.25 C

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 15.25

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MGT 420: Human Resource Management 3 C

WPC 300: Problem Solving and Actionable Analytics 3 C

Upper Division International Business Course AND Global Awareness (G) 3 C

General Studies Elective 3

Upper Division Humanities, Arts and Design (HU) 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MGT 421: Compensation in Organizations 3 C

★ MGT 423: Training and Development in Organizations 3 C

★ MGT 425: Global Human Resources 3 C

- Attend **W. P. Carey** and ASU Career Fairs
- Gather **professional references**
- Update your **resume**

FIN 300: Fundamentals of Finance	3	C
LES 305: Business Law and Ethics for Managers	3	C
Term hours subtotal:	15	

Term 8 106.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MGT 422: Staffing	3	C	• Apply for full-time career opportunities
★ MGT 424: Employment Law	3	C	
MGT 484: Internship OR Upper Division Elective	3		
WPC Career Preparation Course	0.25	C	
Upper Division Elective	1		
Elective	3		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)
General Studies Electives	General Studies Electives Continued	
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin	
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin	
COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra	
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures	
COM 281: Communication Activities	MAT 310: Introduction to Geometry	
COM 310: Relational Communication	MAT 342: Linear Algebra	
COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus	
COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I	
	MAT 372: Advanced Calculus II	
	MAT 410: Introduction to General Topology	

COM 341: Social Contexts for Performance	MAT 415: Introduction to Combinatorics
COM 414: Crisis Communication	MAT 416: Introduction to Graph Theory
COM 430: Leadership in Group Communication	MAT 442: Advanced Linear Algebra
COM 453: Communication Training and Development	MAT 443: Introduction to Abstract Algebra
COM 465: Intercultural Communication Workshop	MAT 444: Intermediate Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 445: Theory of Numbers
ENG 213: Introduction to the Study of Language	MAT 460: Vector Calculus
ENG 310: Intermediate Creative Writing	MAT 461: Applied Complex Analysis
ENG 314: Modern Grammar	MAT 462: Applied Partial Differential Equations
ENG 345: Selected Authors or Issues	MAT 472: Intermediate Real Analysis I
FAS 301: Introduction to Parenting	MAT 475: Differential Equations
GCU 433: Geography of Southeast Asia	MAT 485: History of Mathematics
GRK 101: Elementary Ancient Greek	POR 101: Elementary Portuguese
GRK 201: Intermediate Ancient Greek	ROM 101: Elementary Romanian
HST 389: Japan Society and Values/Premod	ROM 201: Intermediate Romanian
IDN 101: Elementary Indonesian I	ROM 313: Romanian Composition and Conversation
IDN 102: Elementary Indonesian II	ROM 314: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	RUS 101: Elementary Russian I
JPN 414: Introduction to Classical Japanese	RUS 102: Elementary Russian II
KOR 101: First-Year Korean I	SHS 101: American Sign Language I
KOR 102: First-Year Korean II	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: <i>Áltimea</i> , <i>Rafa y Lala</i>

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business (Information Security), BA


School/College: [W. P. Carey School of Business](#)

Location: [West campus](#)

BABUSISBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time freshman</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	

Cultural Diversity in the U.S. (C)	3
Natural Science - Quantitative (SQ)	4
❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.	
❖ Complete MAT 211 with a grade of "C" or better.	
❖ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ CIS 235: Introduction to Information Systems	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Attend <b>W. P. Carey</b> and <b>ASU</b> career fairs</li> <li>Apply for <b>internships</b> or <b>create</b> one</li> <li>Develop your <b>professional online presence</b></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	1		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CIS 325: Fundamental Techniques for Business Data Analytics	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Meet with your <b>W. P. Carey Career Coach</b></li> <li>Update your <b>resume</b></li> </ul>
★ CIS 360: Business Database Concepts	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
WPC Career Preparation Course	0.25	C	
General Studies Elective	3		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ACO 330: Computer Networks	3	C	<ul style="list-style-type: none"> <li>Complete <b>informational interviews</b></li> <li>Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> </ul>
★ CIS 401: Managing Cyber Risks in Enterprise Business Processes	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
			<ul style="list-style-type: none"> <li>Attend <b>W. P. Carey</b> and <b>ASU</b> Career Fairs</li> </ul>



★ ACO 351: Governance, Risk and Compliance OR ACO 402: Privacy, Ethics and Compliance Issues or CIS 402: Privacy, Ethics and Compliance Issues	3	C	<ul style="list-style-type: none"> <li>• Gather professional references</li> <li>• Update your resume</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
General Studies Elective	3		
Term hours subtotal:		15	

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ FOR 350: Computer Forensics	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
SCM 300: Global Supply Operations	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	1		
Elective	3		
Term hours subtotal:		13.25	

- W. P. Carey School of Business students may not use courses with the following prefixes to satisfy General Studies course requirements: ACC, AGB, BUA, BUS, CIS, ECN, ENT, FIN, LES, MGT, MKT, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- **ASU Language Placement:** Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)
General Studies Electives	General Studies Electives Continued	
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin	
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin	

COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
COM 281: Communication Activities	MAT 310: Introduction to Geometry
COM 310: Relational Communication	MAT 342: Linear Algebra
COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I
COM 341: Social Contexts for Performance	MAT 372: Advanced Calculus II
COM 414: Crisis Communication	MAT 410: Introduction to General Topology
COM 430: Leadership in Group Communication	MAT 415: Introduction to Combinatorics
COM 453: Communication Training and Development	MAT 416: Introduction to Graph Theory
COM 465: Intercultural Communication Workshop	MAT 442: Advanced Linear Algebra
ENG 210: Introduction to Creative Writing	MAT 443: Introduction to Abstract Algebra
ENG 213: Introduction to the Study of Language	MAT 444: Intermediate Abstract Algebra
ENG 310: Intermediate Creative Writing	MAT 445: Theory of Numbers
ENG 314: Modern Grammar	MAT 460: Vector Calculus
ENG 345: Selected Authors or Issues	MAT 461: Applied Complex Analysis
FAS 301: Introduction to Parenting	MAT 462: Applied Partial Differential Equations
GCU 433: Geography of Southeast Asia	MAT 472: Intermediate Real Analysis I
GRK 101: Elementary Ancient Greek	MAT 475: Differential Equations
GRK 201: Intermediate Ancient Greek	MAT 485: History of Mathematics
HST 389: Japan Society and Values/Premod	POR 101: Elementary Portuguese
IDN 101: Elementary Indonesian I	ROM 101: Elementary Romanian
IDN 102: Elementary Indonesian II	ROM 201: Intermediate Romanian
JPN 206: Japanese Calligraphy	ROM 313: Romanian Composition and Conversation
JPN 414: Introduction to Classical Japanese	ROM 314: Romanian Composition and Conversation
KOR 101: First-Year Korean I	RUS 101: Elementary Russian I
KOR 102: First-Year Korean II	RUS 102: Elementary Russian II
	SHS 101: American Sign Language I
	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business (Language and Culture), BA


School/College: [W. P. Carey School of Business](#)

Location: [Tempe campus](#), [West campus](#)

BABSLACUBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level language courses. Students with previous experience in the language are required to take a language placement exam</li> <li>• Dependent upon your language proficiency, some language tracks may require more than 120 credit hours to complete this degree.</li> <li>• Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Language and Culture Track Course	4-8	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14-18		

Term 2 14 - 27.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• Explore student <a href="#">leadership opportunities</a> in <a href="#">W. P. Carey</a></li> <li>• Research <a href="#">study abroad opportunities</a> recommended for your major</li> <li>• Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
Language and Culture Track Course	4-8	C	
WPC Career Preparation Course	0.25		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	13.25-17.25		

Term 3 27.25 - 42.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	

Language and Culture Track Course	3-5	C
WPC Career Preparation Course	0.25	
Humanities, Arts and Design (HU)	3	
❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal: 15.25-17.25		

- Explore **career resources**.
- Meet with your **W. P. Carey Career Coach**
- Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options.

Term 4 42.50 - 58.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
Language and Culture Track Course	3-5	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal: 16-18			

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**
- Develop your **professional online presence**

Term 5 58.50 - 74.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Language and Culture Track Course	3	C	
ENG 302: Business Writing (L)	3	C	
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal: 16.25			

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 74.75 - 89.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Language and Culture Track Course	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division Language and Culture Track Course AND Literacy and Critical Inquiry (L)	3		
Upper Division Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal: 15			

- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 89.75 - 104.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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Complete 2 courses:

★ Upper Division Language and Culture Track Course	6	C
MGT 302: Principles of International Business (G) OR ECN 306: Survey of International Economics (SB & G)	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
Elective OR WPC 484: Internship	3	
Term hours subtotal:	15	

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

★ Term 8 104.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ Upper Division Language and Culture Track Course	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
MGT 459: International Management (G)	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
WPC Career Preparation Course	0.25		
Elective OR WPC 484: Internship	3		
Term hours subtotal:	15.25		

- Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options.
- The Spanish track is available on the Tempe and West campuses.
- The Chinese, French, and Italian tracks are only available at the Tempe campus.
- Dependent upon your language proficiency, some language tracks may require more than 120 credit hours to complete this degree.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Elective - select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	ECN 335: South Asia and the World Economy (SB & G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		ECN 360: Economic Development (SB & G)
		ECN 436: International Trade Theory (SB & G)
		ECN 438: International Monetary Economics (SB & G)
		MGT 302: Principles of International Business (G)
		MGT 400: Cross-Cultural Management (C & G)
		MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

Language and Culture - Chinese Track	Language and Culture - French Track	Language and Culture - Italian Track
CHI 120: Introduction to Chinese Culture (L or HU)	FRE 201: Intermediate French I (G) or FRE 110: Intensive French I (G)	ITA 201: Intermediate Italian I (G) or ITA 110: Intensive Italian I (G)
CHI 201: Second-Year Chinese I (G) or CHI 110: Intensive Chinese I	FRE 202: Intermediate French II (G) or FRE 210: Intensive French II (G)	ITA 202: Intermediate Italian II (G) or ITA 210: Intensive Italian II (G)
CHI 202: Second-Year Chinese II (G) or CHI 210: Intensive Chinese II	FRE 305: Readings in French Literature (G) FRE 311: Oral and Written Expression I (G)	ITA 311: Speak Italy: Language, People, Culture (G)
CHI 301: Third-Year Chinese I (G)	FRE 312: Oral and Written Expression II (G)	ITA 312: Write Italy: Language, People, Culture (L & G)
CHI 302: Third-Year Chinese II (G)	FRE 319: Business French (G)	ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G)
CHI 333: China (SB & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or CHI 343: Daoism ((L or HU) & G & H)	FRE 321: French Cultural Masterpieces I ((L or HU) & H)	ITA 319: Italian for Professions
CHI 338: The Daoist Bible: The Daode jing (HU & L) or CHI 451: Chinese Cultural History I ((HU or SB) & H)	FRE 411: Advanced Spoken French (G) FRE 412: Advanced Written French (G)	ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H)
CHI 401: Fourth-Year Chinese I (G)	FRE 416: French Civilization II (HU & G)	ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)
CHI 402: Fourth-Year Chinese II (G)		ITA 413: Advanced Italian (G)
CHI 407: Chinese for Academic and Professional Purposes I (G)		ITA 414: French and Italian Popular Culture ((L or HU) & G) or ITA 420: Italian Cinema (L & G)
Language and Culture - Spanish Track		
SPA 201: Intermediate Spanish (G) or SPA 203: Intermediate Spanish I for Bilinguals (G) or SPA 110: Intensive Spanish I (G)		
SPA 202: Intermediate Spanish (G) or SPA 204: Intermediate Spanish II for Bilinguals (G) or SPA 210: Intensive Spanish II (G)		
SPA 313: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C)		
SPA 314: Spanish Conversation and Composition (G) or SPA 316: Advanced Spanish II for Bilinguals (L & C)		
SPA 319: Business Correspondence and Communication (G)		
SPA 325: Introduction to Hispanic Literature (HU)		
SPA 402: Written Communication for the Professions or SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)		

SPA 412: Advanced Conversation and  
Composition (G)

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SPA 472: Latin American Society: Five Case  
Studies (HU & H & G) OR SPA 4\*\* Elective

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Upper Division SPA course (L)

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**Total Hours:** 120.00

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map






### Business (Law), BA


School/College: [W. P. Carey School of Business](#)

Location: [Tempe campus](#)

BABUSLBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
General Studies Elective	3		

Natural Science - Quantitative (SQ) 4

❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ LAW 210: Introduction to American Legal System and Business Law 3 C

ACC 241: Uses of Accounting Information II 3 C

Cultural Diversity in the U.S. (C) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Upper Division Elective 1

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Law Concentration Elective 3 C

ENG 302: Business Writing (L) 3

LES 305: Business Law and Ethics for Managers 3 C

SCM 300: Global Supply Operations 3 C

WPC Career Preparation Course 0.25 C

General Studies Elective 3

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 15.25

- LAW 394/494 Special Topic courses will be available every semester as LAW concentration elective options. See **class search** for the topics available.
- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Law Concentration Elective 3 C

MKT 300: Marketing and Business Performance 3 C

WPC 300: Problem Solving and Actionable Analytics 3 C

Upper Division International Business Course AND Global Awareness (G) 3 C

Upper Division General Studies Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- LAW 394/494 Special Topic courses will be available every semester as LAW concentration elective options. See **class search** for the topics available.
- Complete **informational interviews**
- Meet with your academic advisor to discuss your internship course options

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b>	Minimum
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★	Hours	Grade	Notes
★ Complete 2 courses:			
Upper Division Law Concentration Elective	6	C	<ul style="list-style-type: none"> <li>LAW 394/494 Special Topic courses will be available every semester as LAW concentration elective options. See <a href="#">class search</a> for the topics available.</li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>Gather <a href="#">professional references</a></li> <li>Update your <a href="#">resume</a></li> </ul>
MGT 300: Organization and Management Leadership	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	15		

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ LAW 480: The Law of Business Organizations	3	C	<ul style="list-style-type: none"> <li>Apply for <a href="#">full-time career opportunities</a></li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
WPC Career Preparation Course	0.25	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	1		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Law Concentration Electives - select four courses (12 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 414: Food and Agribusiness Policy Issues (L)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	COM 222: Argumentation (L)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or	COM 326: Court Room Oratory
WPC 448: Intensive Career Preparation or	WPC 449: Campus to Career	ENG 216: Persuasive Writing on Public Issues (L)
WPC 449: Campus to Career		ENG 472: Rhetorical Studies (L)
		HST 322: Constitutional History of the United States Since 1865 (H)
		LAW 394: Special Topics
		LAW 494: Special Topics
		LES 380: Consumer Perspective of Business Law
		MGT 420: Human Resource Management
		MGT 424: Employment Law
		MGT 430: Negotiations

PHI 103: Principles of Sound Reasoning (L or HU)

PHI 307: Philosophy of Law (HU)

POS 325: Public Policy Development (SB)

POS 465: International Organization and Law (SB & G)

POS 471: Constitutional Law I (SB)

POS 472: Constitutional Law II (SB)

POS 484: Internship

REA 411: Real Estate Law

TWC 451: Copyright and Intellectual Property in the Electronic Age

Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities	MAT 310: Introduction to Geometry
	COM 310: Relational Communication	MAT 342: Linear Algebra
	COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
	COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I
	COM 341: Social Contexts for Performance	MAT 372: Advanced Calculus II
	COM 414: Crisis Communication	MAT 410: Introduction to General Topology
	COM 430: Leadership in Group Communication	MAT 415: Introduction to Combinatorics
	COM 453: Communication Training and Development	MAT 416: Introduction to Graph Theory
	COM 465: Intercultural Communication Workshop	MAT 442: Advanced Linear Algebra
	ENG 210: Introduction to Creative Writing	MAT 443: Introduction to Abstract Algebra
	ENG 213: Introduction to the Study of Language	MAT 444: Intermediate Abstract Algebra
	ENG 310: Intermediate Creative Writing	MAT 445: Theory of Numbers
	ENG 314: Modern Grammar	MAT 460: Vector Calculus
	ENG 345: Selected Authors or Issues	MAT 461: Applied Complex Analysis
	FAS 301: Introduction to Parenting	MAT 462: Applied Partial Differential Equations
		MAT 472: Intermediate Real Analysis I
		MAT 475: Differential Equations
		MAT 485: History of Mathematics
		POR 101: Elementary Portuguese

GCU 433: Geography of Southeast Asia	ROM 101: Elementary Romanian
GRK 101: Elementary Ancient Greek	ROM 201: Intermediate Romanian
GRK 201: Intermediate Ancient Greek	ROM 313: Romanian Composition and Conversation
HST 389: Japan Society and Values/Premod	ROM 314: Romanian Composition and Conversation
IDN 101: Elementary Indonesian I	RUS 101: Elementary Russian I
IDN 102: Elementary Indonesian II	RUS 102: Elementary Russian II
JPN 206: Japanese Calligraphy	SHS 101: American Sign Language I
JPN 414: Introduction to Classical Japanese	SHS 102: American Sign Language II
KOR 101: First-Year Korean I	SHS 201: American Sign Language III
KOR 102: First-Year Korean II	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: <i>Áltimea, Rafa y Lala</i>

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business (Public Service and Public Policy), BA


School/College: [W. P. Carey School of Business](#)

Location: [Tempe campus](#)

BABUSPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
General Studies Elective	3		

Natural Science - Quantitative (SQ) 4

❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ PAF 200: Public Service and Policy in the 21st Century 3 C

ACC 241: Uses of Accounting Information II 3 C

General Studies Elective 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Upper Division Elective 1

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or **create one**
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PAF 300: Public Management and Administration 3 C

ENG 302: Business Writing (L) 3

MKT 300: Marketing and Business Performance 3 C

SCM 300: Global Supply Operations 3 C

WPC Career Preparation Course 0.25 C

Cultural Diversity in the U.S. (C) 3

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 15.25

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**
- Meet with your academic advisor to discuss your internship course options

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PAF 340: Contemporary Policy Challenges 3 C

FIN 300: Fundamentals of Finance 3 C

Upper Division International Business Course AND Global Awareness (G) 3 C

Literacy and Critical Inquiry (L) 3

Upper Division Elective OR PAF 484: Internship OR WPC 484: Internship 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PAF 311: Leadership and Change (SB)	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
Upper Division PSPP Concentration Course	3	C
Upper Division Humanities, Arts and Design (HU)	3	
Upper Division Elective OR PAF 484: Internship OR WPC 484: Internship	3	
Term hours subtotal:	15	

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume
- Meet with your academic advisor to discuss your internship course options

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ Upper Division PSPP Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective	1		
Elective OR PAF 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

#### Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	PSPP Concentration Courses - select two courses (6 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	PAF 302: Public Service Research Methods
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	PAF 410: Building Leadership Skills (SB)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	PAF 460: Public Service Ethics
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		PAF 470: Topics in Public Economics and Financial Management
		PAF 471: Public Policy Analysis
Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities	MAT 310: Introduction to Geometry
	COM 310: Relational Communication	MAT 342: Linear Algebra
	COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
		MAT 371: Advanced Calculus I



COM 317: Nonverbal Communication	MAT 372: Advanced Calculus II
COM 341: Social Contexts for Performance	MAT 410: Introduction to General Topology
COM 414: Crisis Communication	MAT 415: Introduction to Combinatorics
COM 430: Leadership in Group Communication	MAT 416: Introduction to Graph Theory
COM 453: Communication Training and Development	MAT 442: Advanced Linear Algebra
COM 465: Intercultural Communication Workshop	MAT 443: Introduction to Abstract Algebra
	MAT 444: Intermediate Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 445: Theory of Numbers
ENG 213: Introduction to the Study of Language	MAT 460: Vector Calculus
ENG 310: Intermediate Creative Writing	MAT 461: Applied Complex Analysis
ENG 314: Modern Grammar	MAT 462: Applied Partial Differential Equations
ENG 345: Selected Authors or Issues	MAT 472: Intermediate Real Analysis I
FAS 301: Introduction to Parenting	MAT 475: Differential Equations
GCU 433: Geography of Southeast Asia	MAT 485: History of Mathematics
GRK 101: Elementary Ancient Greek	POR 101: Elementary Portuguese
GRK 201: Intermediate Ancient Greek	ROM 101: Elementary Romanian
HST 389: Japan Society and Values/Premod	ROM 201: Intermediate Romanian
IDN 101: Elementary Indonesian I	ROM 313: Romanian Composition and Conversation
IDN 102: Elementary Indonesian II	ROM 314: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	RUS 101: Elementary Russian I
JPN 414: Introduction to Classical Japanese	RUS 102: Elementary Russian II
KOR 101: First-Year Korean I	SHS 101: American Sign Language I
KOR 102: First-Year Korean II	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa y Lala</i>

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Business (Retail Management), BA



School/College: W. P. Carey School of Business




Location: Online



BABUSRBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>ASU 101 or College specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a></li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> <li>Join the <a href="#">W. P. Carey mentorship programs</a></li> <li><a href="#">Research study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	9		

Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		





Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Explore <a href="#">career resources</a>.</li> </ul>
WPC Career Preparation Course	0.25	C	



General Studies Elective

3



Term hours subtotal: 6.25




- Meet with your **W. P. Carey Career Coach**

<b>Term 3 - B 37.50 - 46.50 Credit Hours Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		



<b>Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one

<b>Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by</b> 	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
General Studies Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

<b>Term 5 - A 59.50 - 68.50 Credit Hours Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MKT 300: Marketing and Business Performance	3	C	
 SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
Term hours subtotal:	9		

- Meet with your **W. P. Carey Career Coach**

<b>Term 5 - B 68.50 - 75.75 Credit Hours Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7.25		

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.

<b>Term 6 - A 75.75 - 81.75 Credit Hours Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 440: Quality Management/Measurement	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		

- Complete **informational interviews**

<b>Term 6 - B 81.75 - 90.75 Credit Hours Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ FIN 300: Fundamentals of Finance	3	C
★ LES 305: Business Law and Ethics for Managers	3	C
Upper Division International Business Course AND Global Awareness (G)	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	9	

Term 7 - A 90.75 - 96.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 385: Business and Sustainability I	3	C	• Attend W. P. Carey and ASU Career Fairs
General Studies Elective	3		
Term hours subtotal:	6		

Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	9		

Term 8 - A 105.75 - 113.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 445: Food Retailing	3	C	• Apply for full-time career opportunities
MKT 396: Essentials of Services Marketing	3	C	
Upper Division Elective	2		
Term hours subtotal:	8		

Term 8 - B 113.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 420: Retail Management	3	C	
WPC Career Preparation Course	0.25	C	
Elective	3		
Term hours subtotal:	6.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation		

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

MGT 302: Principles of International Business  
(G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management  
(G)

#### General Studies Electives

BIO 320: Fundamentals of Ecology

COM 207: Introduction to Communication  
Inquiry

COM 259: Communication in Business and  
the Professions

COM 312: Communication, Conflict, and  
Negotiation

COM 414: Crisis Communication

COM 430: Leadership in Group  
Communication

COM 453: Communication Training and  
Development

ENG 210: Introduction to Creative Writing

ENG 310: Intermediate Creative Writing

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business (Sports Business), BA


School/College: [W. P. Carey School of Business](#)

Location: [Polytechnic campus](#), [Tempe campus](#)

BABUSMSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
General Studies Elective	3		



Natural Science - Quantitative (SQ) 4

❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

Cultural Diversity in the U.S. (C) 3

Literacy and Critical Inquiry (L) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Upper Division Elective 1

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 300: Marketing and Business Performance 3 C

★ MKT 311: Sports Business 3 C

ENG 302: Business Writing (L) 3

SCM 300: Global Supply Operations 3 C

WPC Career Preparation Course 0.25 C

General Studies Elective 3

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 15.25

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 421: Fan Behavior and Sports Marketing 3 C

MGT 300: Organization and Management Leadership 3 C

WPC 300: Problem Solving and Actionable Analytics 3 C

Upper Division International Business Course AND Global Awareness (G) 3 C

General Studies Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses:

Upper Division Sports Business Elective 6 C

LES 305: Business Law and Ethics for Managers 3 C

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or **create one**

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

- Attend **W. P. Carey** and ASU Career Fairs
- Gather **professional references**

Upper Division Humanities, Arts and Design (HU)	3
Elective	3
Term hours subtotal:	15

- Update your resume

Term 8 106.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MCO 465: Sports and Media	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
Upper Division Sports Business Elective	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective OR MKT 484: Internship OR WPC 484: Internship	3		
Upper Division Elective	1		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division Sports Business Electives - select 3 courses (9 credit hours, MKT 494 must be sports related)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	MCO 420: Strategic Sports Communication
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	MKT 431: Sports Events and Facility Management
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MKT 441: Sports Revenue Generation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 451: Sports Business Analytics
		MKT 484: Internship
		MKT 494: Special Topics
		MKT 493: Honors Thesis (L)
Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities	MAT 310: Introduction to Geometry
	COM 310: Relational Communication	MAT 342: Linear Algebra
	COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
		MAT 371: Advanced Calculus I

COM 317: Nonverbal Communication	MAT 372: Advanced Calculus II
COM 341: Social Contexts for Performance	MAT 410: Introduction to General Topology
COM 414: Crisis Communication	MAT 415: Introduction to Combinatorics
COM 430: Leadership in Group Communication	MAT 416: Introduction to Graph Theory
COM 453: Communication Training and Development	MAT 442: Advanced Linear Algebra
COM 465: Intercultural Communication Workshop	MAT 443: Introduction to Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 444: Intermediate Abstract Algebra
ENG 213: Introduction to the Study of Language	MAT 445: Theory of Numbers
ENG 310: Intermediate Creative Writing	MAT 460: Vector Calculus
ENG 314: Modern Grammar	MAT 461: Applied Complex Analysis
ENG 345: Selected Authors or Issues	MAT 462: Applied Partial Differential Equations
FAS 301: Introduction to Parenting	MAT 472: Intermediate Real Analysis I
GCU 433: Geography of Southeast Asia	MAT 475: Differential Equations
GRK 101: Elementary Ancient Greek	MAT 485: History of Mathematics
GRK 201: Intermediate Ancient Greek	POR 101: Elementary Portuguese
HST 389: Japan Society and Values/Premod	ROM 101: Elementary Romanian
IDN 101: Elementary Indonesian I	ROM 201: Intermediate Romanian
IDN 102: Elementary Indonesian II	ROM 313: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	ROM 314: Romanian Composition and Conversation
JPN 414: Introduction to Classical Japanese	RUS 101: Elementary Russian I
KOR 101: First-Year Korean I	RUS 102: Elementary Russian II
KOR 102: First-Year Korean II	SHS 101: American Sign Language I
	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa y Lala</i>

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map Business (Statistics), BA


School/College: W. P. Carey School of Business

Location: West campus

BABUSTABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		

General Studies Elective 3

❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

Cultural Diversity in the U.S. (C) 3

Literacy and Critical Inquiry (L) 3

General Studies Elective 3

Elective 3

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 15

- Business Statistics students are encouraged to take **STP 420** early, if you are considering taking additional statistics courses
- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**

Term 5 62.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SCM 300: Global Supply Operations 3 C

ENG 302: Business Writing (L) 3

MKT 300: Marketing and Business Performance 3 C

WPC 300: Problem Solving and Actionable Analytics 3 C

WPC Career Preparation Course 0.25 C

Upper Division Elective 2

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 14.25

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**

Term 6 76.75 - 92.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CIS 310: Business Data Visualization 3 C

★ STP 420: Introductory Applied Statistics (CS) 3 C

Upper Division International Business Course AND Global Awareness (G) 3 C

Upper Division Humanities, Arts and Design (HU) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 16

- Complete **informational interviews**

Term 7 92.75 - 107.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ STP 310: Design and Analysis of Experiments 3 C

★ STP 311: Regression and Time Series Analyses 3 C

FIN 300: Fundamentals of Finance 3 C

- Attend **W. P. Carey** and **ASU** Career Fairs
- Meet with your academic advisor to discuss your internship course options

LES 305: Business Law and Ethics for Managers	3	C
MGT 300: Organization and Management Leadership	3	C
Term hours subtotal:	15	

Term 8 107.75 - 120.00 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
★ CIS 405: Business Intelligence	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
★ STP 315: Statistical Computing	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective OR STP 484: Internship OR WPC 484: Internship	3		
Elective	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course - select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)
General Studies Electives	General Studies Electives Continued	
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin	
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin	
COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra	
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures	
COM 281: Communication Activities	MAT 310: Introduction to Geometry	
COM 310: Relational Communication	MAT 342: Linear Algebra	
COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus	
COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I	
	MAT 372: Advanced Calculus II	
	MAT 410: Introduction to General Topology	

COM 341: Social Contexts for Performance	MAT 415: Introduction to Combinatorics
COM 414: Crisis Communication	MAT 416: Introduction to Graph Theory
COM 430: Leadership in Group Communication	MAT 442: Advanced Linear Algebra
COM 453: Communication Training and Development	MAT 443: Introduction to Abstract Algebra
COM 465: Intercultural Communication Workshop	MAT 444: Intermediate Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 445: Theory of Numbers
ENG 213: Introduction to the Study of Language	MAT 460: Vector Calculus
ENG 310: Intermediate Creative Writing	MAT 461: Applied Complex Analysis
ENG 314: Modern Grammar	MAT 462: Applied Partial Differential Equations
ENG 345: Selected Authors or Issues	MAT 472: Intermediate Real Analysis I
FAS 301: Introduction to Parenting	MAT 475: Differential Equations
GCU 433: Geography of Southeast Asia	MAT 485: History of Mathematics
GRK 101: Elementary Ancient Greek	POR 101: Elementary Portuguese I
GRK 201: Intermediate Ancient Greek	ROM 101: Elementary Romanian
HST 389: Japan Society and Values/Premod	ROM 201: Intermediate Romanian
IDN 101: Elementary Indonesian I	ROM 313: Romanian Composition and Conversation
IDN 102: Elementary Indonesian II	ROM 314: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	RUS 101: Elementary Russian I
JPN 414: Introduction to Classical Japanese	RUS 102: Elementary Russian II
KOR 101: First-Year Korean I	SHS 101: American Sign Language I
KOR 102: First-Year Korean II	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: Áltima, Rafa y Lala

**Total Hours:** 120.00  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)



**Total Community College Hrs:** 64 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business (Sustainability), BA

School/College: [W. P. Carey School of Business](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

BABUSSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G) or PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	

WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ)	4	
❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16.25	

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G) or PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU</b> career fairs</li> <li>• Apply for <b>internships</b> or <b>create one</b></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	1		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 300: Global Supply Operations	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
★ SOS 325: The Economics of Sustainability	3	C	
ENG 302: Business Writing (L)	3		
FIN 300: Fundamentals of Finance	3	C	
WPC Career Preparation Course	0.25	C	
Elective	3		
★ Complete ACC 241 with a grade of "C" or better.			
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15.25		

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SOS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Complete <b>informational interviews</b></li> <li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> </ul>
MKT 300: Marketing and Business Performance	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Cultural Diversity in the U.S. (C)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SCM 385: Business and Sustainability I	3	C
LES 305: Business Law and Ethics for Managers	3	C
MGT 300: Organization and Management Leadership	3	C
Upper Division Elective OR WPC 484: Internship	3	
Upper Division Elective	3	
Maintain 2.50 GPA in Major Courses.		
Term hours subtotal:	15	

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume
- Meet with your academic advisor to discuss your internship course options

Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ SCM 485: Business and Sustainability II	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	1		
Elective	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	13.25		

- Apply for full-time career opportunities
- Meet with your academic advisor to discuss your internship course options

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course - select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.50 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Business (Sustainability), BA



School/College: [W. P. Carey School of Business](#)




Location: [Online](#)



BABUSSBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• <a href="#">Research study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		

Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		

Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> </ul>
WPC Career Preparation Course	0.25	C	





Elective

3

- Meet with your **W. P. Carey Career Coach**

Term hours subtotal: 6.25

Term 3 - B 37.50 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 ACC 241: Uses of Accounting Information II	3	C	
 SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G) or PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 9


Term 4 - A 46.50 - 52.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 ECN 221: Business Statistics (CS)	3	C	
SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G) or PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	

Term hours subtotal: 6

- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**

Term 4 - B 52.50 - 59.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 7

Term 5 - A 59.50 - 68.50 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 MKT 300: Marketing and Business Performance	3	C	
 SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		

Term hours subtotal: 9

- Meet with your **W. P. Carey Career Coach**

Term 5 - B 68.50 - 75.75 Credit Hours	Hours	Minimum Grade	Notes
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LES 305: Business Law and Ethics for Managers	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

Term hours subtotal: 7.25

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 75.75 - 84.75 Credit Hours	Hours	Minimum Grade	Notes
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SOS 325: The Economics of Sustainability	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Cultural Diversity in the U.S. (C)	3		
Maintain 2.50 GPA in Major Courses.			

Term hours subtotal: 9

- Complete **informational interviews**

<b>Term 6 - B 84.75 - 90.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ MGT 300: Organization and Management Leadership	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

<b>Term 7 - A 90.75 - 99.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ SCM 385: Business and Sustainability I	3	C	• Attend W. P. Carey and ASU Career Fairs
FIN 300: Fundamentals of Finance	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	9		

<b>Term 7 - B 99.75 - 105.75 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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SOS Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	6		

<b>Term 8 - A 105.75 - 113.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ SCM 485: Business and Sustainability II	3	C	• Apply for full-time career opportunities
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	2		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	8		

<b>Term 8 - B 113.75 - 120.00 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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WPC Career Preparation Course	0.25	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course - select one course (3 credit hours)
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WPC 148: Freshman Career Preparation

WPC 347: Intermediate Career Preparation



WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	ECN 306: Survey of International Economics (SB & G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MGT 302: Principles of International Business (G)
		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map Business (Technology), BA


School/College: [W. P. Carey School of Business](#)

Location: [Polytechnic campus](#)

BABUSTCBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement.</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		

Elective 3

❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

Cultural Diversity in the U.S. (C) 3

Literacy and Critical Inquiry (L) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Upper Division Elective 1

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ TEM 400: Technology Entrepreneurship 3 C

★ Technology Focus Area Course 3 C

MGT 300: Organization and Management Leadership 3 C

MKT 300: Marketing and Business Performance 3 C

SCM 300: Global Supply Operations 3 C

WPC Career Preparation Course 0.25 C

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 15.25

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ TMC 470: Enterprise Planning and Implementation 3 C

ENG 302: Business Writing (L) 3

Technology Focus Area Course 3 C

Upper Division International Business Elective AND Global Awareness (G) 3 C

Upper Division General Studies Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Technology Focus Area Course 3 C

FIN 300: Fundamentals of Finance 3 C

LES 305: Business Law and Ethics for Managers 3 C

- Attend **W. P. Carey** and ASU Career Fairs
- Gather **professional references**

WPC 300: Problem Solving and Actionable Analytics	3	C	• Update your resume
Upper Division General Studies Elective	3		
Term hours subtotal:	15		

Term 8 106.75 - 120.00 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
★ Upper Division Technology Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective OR TEM 484: Internship OR WPC 484: Internship	3		
Upper Division Elective	1		
Elective	3		
Term hours subtotal:	13.25		

- Choose one Focus Area and complete 12 credit hours.
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Technology Focus Area (Digital Media) - choose one focus area (12 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	GIT 215: Introduction to Web Authoring
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	GIT 230: Digital Illustration in Publishing
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	GIT 303: Digital Publishing
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		GIT 334: Image Editing and Manipulation
Technology Focus Area (Social Entrepreneurship) - choose one focus area (12 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives
AGB 321: Agribusiness Marketing	AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology
TEM 230: Creativity and Business Innovation	ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy
TEM 431: Innovation Management	MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry
TEM 455: Global Impact Entrepreneurship	MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions
TMC 331: Quality Assurance	SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities
TMC 430: Enterprise Strategy and Innovation		COM 310: Relational Communication
		COM 312: Communication, Conflict, and Negotiation
		COM 317: Nonverbal Communication
		COM 341: Social Contexts for Performance

COM 414: Crisis Communication

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COM 430: Leadership in Group  
Communication

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COM 453: Communication Training and  
Development

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COM 465: Intercultural Communication  
Workshop

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ENG 210: Introduction to Creative Writing

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ENG 213: Introduction to the Study of  
Language

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ENG 310: Intermediate Creative Writing

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ENG 314: Modern Grammar

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ENG 345: Selected Authors or Issues

---

FAS 301: Introduction to Parenting

---

GCU 433: Geography of Southeast Asia

---

GRK 101: Elementary Ancient Greek

---

GRK 201: Intermediate Ancient Greek

---

HST 389: Japan Society and Values/Premod

---

IDN 101: Elementary Indonesian I

---

IDN 102: Elementary Indonesian II

---

JPN 206: Japanese Calligraphy

---

JPN 414: Introduction to Classical Japanese

---

KOR 101: First-Year Korean I

---

KOR 102: First-Year Korean II

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#### General Studies Electives Continued

LAT 101: Elementary Latin

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LAT 102: Elementary Latin

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MAT 242: Elementary Linear Algebra

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MAT 243: Discrete Mathematical Structures

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MAT 310: Introduction to Geometry

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MAT 342: Linear Algebra

---

MAT 370: Intermediate Calculus

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MAT 371: Advanced Calculus I

---

MAT 372: Advanced Calculus II

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MAT 410: Introduction to General Topology

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MAT 415: Introduction to Combinatorics

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MAT 416: Introduction to Graph Theory

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MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian I

RUS 102: Elementary Russian II

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

SPA 111: Fundamentals of Spanish

SPA 486: Chicano/a Novel: *Áltima*, *Rafa* y *Lala*

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map Business (Tourism), BA


School/College: [W. P. Carey School of Business](#)

Location: [Tempe campus](#)

BABUSTBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		



General Studies Elective 3

❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ TDM 205: Introduction to Travel and Tourism (G) 3 C

ACC 241: Uses of Accounting Information II 3 C

Cultural Diversity in the U.S. (C) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Upper Division Elective 1

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or **create one**
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Tourism Concentration Elective 3 C

ENG 302: Business Writing (L) 3

FIN 300: Fundamentals of Finance 3 C

MGT 300: Organization and Management Leadership 3 C

WPC Career Preparation Course 0.25 C

Upper Division Elective 3

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 15.25

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Tourism Concentration Elective 3 C

MKT 300: Marketing and Business Performance 3 C

SCM 300: Global Supply Operations 3 C

WPC 300: Problem Solving and Actionable Analytics 3 C

Upper Division Humanities, Arts and Design (HU) 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Tourism Concentration Elective 3 C

LES 305: Business Law and Ethics for Managers 3 C

Upper Division International Business Course AND Global Awareness (G) 3 C

- Attend **W. P. Carey** and ASU Career Fairs
- Gather **professional references**
- Update your **resume**

WPC 484: Internship OR Upper Division Elective	3
General Studies Elective	3
Term hours subtotal:	15

Term 8 106.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Tourism Concentration Elective	6	C	• Apply for full-time career opportunities
WPC Career Preparation Course	0.25	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	4		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Tourism Concentration Electives - select five courses (15 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	PRM 486: Special Events Management
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	TDM 225: Introduction to Resort and Hotel Management
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	TDM 345: Meeting and Convention Planning
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		TDM 350: Tourism, Recreation and Sports Marketing
		TDM 372: Tourism Planning (L)
		TDM 386: Convention Sales and Management
		TDM 415: Tourism Transportation Systems
		TDM 448: Heritage and Cultural Tourism
		TDM 458: International Tourism (G)
		TDM 475: Entrepreneurial Recreation and Tourism
		TDM 480: Sustainable Tourism
		TDM 483: Sports Tourism
		TDM 484: Internship
Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin
	COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra

MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
MKT 425: Global Marketing Management (G)	COM 281: Communication Activities	MAT 310: Introduction to Geometry
SCM 463: Global Supply Chain Management (G)	COM 310: Relational Communication	MAT 342: Linear Algebra
	COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
	COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I
	COM 341: Social Contexts for Performance	MAT 372: Advanced Calculus II
	COM 414: Crisis Communication	MAT 410: Introduction to General Topology
	COM 430: Leadership in Group Communication	MAT 415: Introduction to Combinatorics
	COM 453: Communication Training and Development	MAT 416: Introduction to Graph Theory
	COM 465: Intercultural Communication Workshop	MAT 442: Advanced Linear Algebra
ENG 210: Introduction to Creative Writing	COM 465: Intercultural Communication Workshop	MAT 443: Introduction to Abstract Algebra
ENG 213: Introduction to the Study of Language	ENG 210: Introduction to Creative Writing	MAT 444: Intermediate Abstract Algebra
ENG 310: Intermediate Creative Writing	ENG 213: Introduction to the Study of Language	MAT 445: Theory of Numbers
ENG 314: Modern Grammar	ENG 310: Intermediate Creative Writing	MAT 460: Vector Calculus
ENG 345: Selected Authors or Issues	ENG 314: Modern Grammar	MAT 461: Applied Complex Analysis
FAS 301: Introduction to Parenting	ENG 345: Selected Authors or Issues	MAT 462: Applied Partial Differential Equations
GCU 433: Geography of Southeast Asia	FAS 301: Introduction to Parenting	MAT 472: Intermediate Real Analysis I
GRK 101: Elementary Ancient Greek	GCU 433: Geography of Southeast Asia	MAT 475: Differential Equations
GRK 201: Intermediate Ancient Greek	GRK 101: Elementary Ancient Greek	MAT 485: History of Mathematics
HST 389: Japan Society and Values/Premod	GRK 201: Intermediate Ancient Greek	POR 101: Elementary Portuguese
IDN 101: Elementary Indonesian I	HST 389: Japan Society and Values/Premod	ROM 101: Elementary Romanian
IDN 102: Elementary Indonesian II	IDN 101: Elementary Indonesian I	ROM 201: Intermediate Romanian
JPN 206: Japanese Calligraphy	IDN 102: Elementary Indonesian II	ROM 313: Romanian Composition and Conversation
JPN 414: Introduction to Classical Japanese	JPN 206: Japanese Calligraphy	ROM 314: Romanian Composition and Conversation
KOR 101: First-Year Korean I	JPN 414: Introduction to Classical Japanese	RUS 101: Elementary Russian I
KOR 102: First-Year Korean II	KOR 101: First-Year Korean I	RUS 102: Elementary Russian II
	KOR 102: First-Year Korean II	SHS 101: American Sign Language I
		SHS 102: American Sign Language II
		SHS 201: American Sign Language III
		SHS 202: American Sign Language IV
		SPA 101: Elementary Spanish I
		SPA 102: Elementary Spanish II
		SPA 111: Fundamentals of Spanish

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map Business (Tourism), BA



School/College: W. P. Carey School of Business





Location: Online



BABUSTBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Create your first college <b>resume</b></li> </ul>
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a></li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <b>student club or organization</b></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
SOC course (SB) OR PSY course (SB)	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		





Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		



Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		

Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <b>career resources</b>.</li> </ul>
WPC Career Preparation Course	0.25	C	



General Studies Elective	3
Term hours subtotal:	6.25




- Meet with your **W. P. Carey Career Coach**

Term 3 - B 37.50 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
SOC course (SB) OR PSY course (SB)	3		
 Minimum 2.00 GPA ASU Cumulative.			
 Complete ECN 211 AND ECN 212.			
Complete Mathematics (MA) requirement.			
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		



Term 4 - A 46.50 - 53.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one

Term 4 - B 53.50 - 59.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 5 - A 59.50 - 68.50 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MKT 300: Marketing and Business Performance	3	C	
 SCM 300: Global Supply Operations	3	C	
Tourism Concentration Elective	3	C	
Term hours subtotal:	9		

- Meet with your **W. P. Carey Career Coach**

Term 5 - B 68.50 - 75.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7.25		

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 75.75 - 84.75 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
General Studies Elective	3		
Term hours subtotal:	9		

- Complete **informational interviews**

Term 6 - B 84.75 - 90.75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum	Notes
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	Hours	Grade	
★ FIN 300: Fundamentals of Finance	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		6	

Term 7 - A 90.75 - 99.75 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Tourism Concentration Elective	3	C	• Attend W. P. Carey and ASU Career Fairs
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:		9	

Term 7 - B 99.75 - 105.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Tourism Concentration Elective	3	C	
Term hours subtotal:		6	

Term 8 - A 105.75 - 113.75 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Tourism Concentration Elective	3	C	• Apply for full-time career opportunities
Complete 2 courses:	5		
Upper Division Elective			
Term hours subtotal:		8	

Term 8 - B 113.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Tourism Concentration Elective	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective	3		
Term hours subtotal:		6.25	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Tourism Concentration Electives - select five courses (15 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	TDM 225: Introduction to Resort and Hotel Management
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	TDM 350: Tourism, Recreation and Sports Marketing
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	TDM 386: Convention Sales and Management

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

TDM 458: International Tourism (G)

TDM 475: Entrepreneurial Recreation and  
Tourism

TDM 480: Sustainable Tourism

TDM 483: Sports Tourism

International Business Course - select one  
course (3 credit hours)

AGB 302: International Management and  
Agribusiness (G)

ECN 306: Survey of International Economics  
(SB & G)

MGT 302: Principles of International Business  
(G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management  
(G)

General Studies Electives

BIO 320: Fundamentals of Ecology

COM 207: Introduction to Communication  
Inquiry

COM 259: Communication in Business and  
the Professions

COM 312: Communication, Conflict, and  
Negotiation

COM 414: Crisis Communication

COM 430: Leadership in Group  
Communication

COM 453: Communication Training and  
Development

ENG 210: Introduction to Creative Writing

ENG 310: Intermediate Creative Writing

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)



- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Business Data Analytics, BS




School/College: [W. P. Carey School of Business](#)






Location: [Tempe campus](#)


BABDABS

**FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

ECN 221: Business Statistics (CS)	3	C
WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ)	4	
General Studies Elective	3	
❖ Complete ECN 211 OR ECN 212 with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		16.25

delay in graduation. See your **academic advisor** for more information and options.

- Explore **career resources**.
- Meet with your **W. P. Carey Career Coach**

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ CIS 235: Introduction to Information Systems	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU</b> career fairs</li> <li>• Apply for <b>internships</b> or <b>create one</b></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	1		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CIS 325: Fundamental Techniques for Business Data Analytics	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
★ CIS 365: Business Database Systems Development	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC Career Preparation Course	0.25	C	
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CIS 315: Introduction to Business Data Analytics	3	C	<ul style="list-style-type: none"> <li>• Complete <b>informational interviews</b></li> <li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> </ul>
★ CIS 355: Business Data Warehouses and Dimensional Modeling	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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★	Hours	Grade	Notes
★ CIS 375: Business Data Mining	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>Gather <b>professional references</b></li> <li>Update your <b>resume</b></li> </ul>
★ CIS 415: Big Data Analytics in Business	3	C	
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
General Studies Elective	3		
Term hours subtotal:	15		

★	Hours	Minimum Grade	Notes
★ CIS 450: Enterprise Analytics	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b></li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
General Studies Elective	3		
Elective	1		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)
General Studies Electives	General Studies Electives Continued	
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin	
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin	
COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra	
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures	
COM 281: Communication Activities	MAT 310: Introduction to Geometry	
	MAT 342: Linear Algebra	

COM 310: Relational Communication	MAT 370: Intermediate Calculus
COM 312: Communication, Conflict, and Negotiation	MAT 371: Advanced Calculus I
COM 317: Nonverbal Communication	MAT 372: Advanced Calculus II
COM 341: Social Contexts for Performance	MAT 410: Introduction to General Topology
COM 414: Crisis Communication	MAT 415: Introduction to Combinatorics
COM 430: Leadership in Group Communication	MAT 416: Introduction to Graph Theory
COM 453: Communication Training and Development	MAT 442: Advanced Linear Algebra
COM 465: Intercultural Communication Workshop	MAT 443: Introduction to Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 444: Intermediate Abstract Algebra
ENG 213: Introduction to the Study of Language	MAT 445: Theory of Numbers
ENG 310: Intermediate Creative Writing	MAT 460: Vector Calculus
ENG 314: Modern Grammar	MAT 461: Applied Complex Analysis
ENG 345: Selected Authors or Issues	MAT 462: Applied Partial Differential Equations
FAS 301: Introduction to Parenting	MAT 472: Intermediate Real Analysis I
GCU 433: Geography of Southeast Asia	MAT 475: Differential Equations
GRK 101: Elementary Ancient Greek	MAT 485: History of Mathematics
GRK 201: Intermediate Ancient Greek	POR 101: Elementary Portuguese
HST 389: Japan Society and Values/Premod	ROM 101: Elementary Romanian
IDN 101: Elementary Indonesian I	ROM 201: Intermediate Romanian
IDN 102: Elementary Indonesian II	ROM 313: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	ROM 314: Romanian Composition and Conversation
JPN 414: Introduction to Classical Japanese	RUS 101: Elementary Russian I
KOR 101: First-Year Korean I	RUS 102: Elementary Russian II
KOR 102: First-Year Korean II	SHS 101: American Sign Language I
	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: Áltima, Rafa y Lala

**Total Hours:** 120.00

**General University Requirements Legend**

**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Business Data Analytics, BS


School/College: [W. P. Carey School of Business](#)




Location: [Online](#)



BABDABS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a></li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and ASU Career Fairs</li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• <a href="#">Research study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		

Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		





Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> </ul>
WPC Career Preparation Course	0.25	C	



General Studies Elective

3



Term hours subtotal: 6.25



- Meet with your **W. P. Carey Career Coach**

Term 3 - B 37.50 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
General Studies Elective	3		
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		




Term 4 - A 46.50 - 53.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one




Term 4 - B 53.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SCM 300: Global Supply Operations	3	C	
Cultural Diversity in the U.S. (C)	3		
General Studies Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 5 - A 62.50 - 71.50 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 235: Introduction to Information Systems	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
Term hours subtotal:	9		

- Meet with your **W. P. Carey Career Coach**




Term 5 - B 71.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 325: Fundamental Techniques for Business Data Analytics	3	C	
 CIS 365: Business Database Systems Development	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	6.25		



- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.



Term 6 - A 77.75 - 86.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 315: Introduction to Business Data Analytics	3	C	
 CIS 355: Business Data Warehouses and Dimensional Modeling	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		

- Complete **informational interviews**





Term 6 - B 86.75 - 92.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CIS 375: Business Data Mining	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 92.75 - 98.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CIS 415: Big Data Analytics in Business	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend <b>W. P. Carey</b> and <b>ASU</b> Career Fairs</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
Term hours subtotal:	6		

Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CIS 450: Enterprise Analytics	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
Term hours subtotal:	9		

Term 8 - A 107.75 - 113.75 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
Elective	2		
Term hours subtotal:	6		

Term 8 - B 113.75 - 120.00 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	

WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	ECN 306: Survey of International Economics (SB & G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MGT 302: Principles of International Business (G)
		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)

**General Studies Electives**

BIO 320: Fundamentals of Ecology

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 312: Communication, Conflict, and Negotiation

COM 414: Crisis Communication

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

ENG 210: Introduction to Creative Writing

ENG 310: Intermediate Creative Writing

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Business Entrepreneurship, BS




School/College: W. P. Carey School of Business






Location: Tempe campus


BABUENTBS

#### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation.</li> <li>• PSY 101 or SOC 101 is a prerequisite to MGT 320 in term 7</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Explore student <b>leadership opportunities</b> and <b>mentorship programs</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
WPC Career Preparation Course	0.25	C	
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

ECN 221: Business Statistics (CS)	3	C
WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ)	4	
Elective OR ENT 290: Entrepreneurship: Opportunity to Impact	3	
♦ Complete ECN 211 or ECN 212 with a grade of "C" or better.		
♦ Complete MAT 211 with a grade of "C" or better.		
♦ Minimum 2.50 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		16.25

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Explore **career resources**.
- Meet with your **W. P. Carey Career Coach**

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ♦	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	
ENT 305: Principles of Entrepreneurship	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	1		
♦ Complete ACC 231 with a grade of "C" or better.			
♦ Complete ECN 221 with a grade of "C" or better.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14	

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ENT 360: Entrepreneurship and Value Creation	3	C	
★ MGT 300: Organization and Management Leadership	3	C	
ENG 302: Business Writing (L)	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC Career Preparation Course	0.25	C	
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division ENT Track Course	3	C	
FIN 300: Fundamentals of Finance	3	C	
MGT 302: Principles of International Business (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
General Studies Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

- Students choose one track option from the following: ENT Startup, ENT Finance, ENT Management, or ENT Studies. View track group below for course options.
- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MGT 320: Organizational Behavior	3	C
LES 305: Business Law and Ethics for Managers	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
General Studies Elective	3	
Elective OR ENT 484: Internship OR WPC 484: Internship	3	
Term hours subtotal:	15	

- Students choose one track option from the following: ENT Startup, ENT Finance, ENT Management, or ENT Studies. View track group below for course options.
- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend **W. P. Carey** and **ASU Career Fairs**
- Gather **professional references**
- Update your **resume**
- Meet with your academic advisor to discuss your internship course options

Term 8 106.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
★ Upper Division ENT Track Course	3	C	
Upper Division Entrepreneurship Elective	3	C	
WPC Career Preparation Course	0.25	C	
General Studies Elective	3		
Upper Division Elective	1		
Term hours subtotal:	13.25		

- Students choose one track option from the following: ENT Startup, ENT Finance, ENT Management, or ENT Studies. View track group below for course options.
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	ENT Start Up Track - complete two courses (6 credit hrs)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	ENT 446: Venture Capital Experience
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ENT 447: Lean Launch
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		
ENT Finance Track - select two courses (6 credit hrs)	ENT Management Track - select two courses (6 credit hrs)	ENT Studies Track - select two courses (6 credit hrs)
ENT 446: Venture Capital Experience	ENT 441: Entrepreneurial Management	ENT 340: Creativity and Innovation (L or HU)
FIN 394: Fundamentals of Entrepreneurial Finance	ENT 448: Corporate Entrepreneurship	ENT 441: Entrepreneurial Management
	MKT 435: Entrepreneurial Marketing	ENT 446: Venture Capital Experience
	MKT 440: Creating Digital Experiences	ENT 447: Lean Launch

		ENT 448: Corporate Entrepreneurship
		ENT 464: Collaborative Design Development I (L)
		ENT 465: Collaborative Design Development II (L)
		ENT 484: Internship
		ENT 493: Honors Thesis
		FIN 394: Fundamentals of Entrepreneurial Finance
		MGT 310: Collaborative Team Skills
		MGT 411: Leading Organizations
		MGT 420: Human Resource Management
		MGT 430: Negotiations
		MGT 450: Consulting Projects (L)
		MKT 435: Entrepreneurial Marketing
		MKT 440: Creating Digital Experiences
Upper Division Entrepreneurship Elective - select one course (3 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives
ENT 340: Creativity and Innovation (L or HU)	AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology
ENT 441: Entrepreneurial Management	ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy
ENT 446: Venture Capital Experience	MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry
ENT 447: Lean Launch	MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions
ENT 448: Corporate Entrepreneurship	SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities
ENT 464: Collaborative Design Development I (L)		COM 310: Relational Communication
ENT 465: Collaborative Design Development II (L)		COM 312: Communication, Conflict, and Negotiation
ENT 484: Internship		COM 317: Nonverbal Communication
ENT 493: Honors Thesis		COM 341: Social Contexts for Performance
FIN 394: Fundamentals of Entrepreneurial Finance		COM 414: Crisis Communication
MGT 310: Collaborative Team Skills		COM 430: Leadership in Group Communication
MGT 411: Leading Organizations		COM 453: Communication Training and Development
MGT 420: Human Resource Management		COM 465: Intercultural Communication Workshop
MGT 430: Negotiations		ENG 210: Introduction to Creative Writing
MGT 450: Consulting Projects (L)		ENG 213: Introduction to the Study of Language
MKT 435: Entrepreneurial Marketing		
MKT 440: Creating Digital Experiences		

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

GCU 433: Geography of Southeast Asia

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

#### General Studies Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential  
Equations

MAT 472: Intermediate Real Analysis I



MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and  
Conversation

ROM 314: Romanian Composition and  
Conversation

RUS 101: Elementary Russian I

RUS 102: Elementary Russian II

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

SPA 111: Fundamentals of Spanish

SPA 486: Chicano/a Novel: *Áltima, Rafa y  
Lala*

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Business Exploratory


School/College: W. P. Carey School of Business

Location: Tempe campus

BABUSEXP

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement.</li> <li>• Complete the <a href="#">me3</a> career interest tool</li> <li>• Join a student <a href="#">club or organization</a></li> <li>• Create your first college <a href="#">resume</a></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• Explore student <a href="#">leadership opportunities</a> in <a href="#">W. P. Carey</a></li> <li>• Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• Explore <a href="#">career resources</a>.</li> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		

- ❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.

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  - ❖ Complete MAT 211 with a grade of "C" or better.

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  - ❖ Milestone: Selection of a major.

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  - ❖ Minimum 2.00 GPA ASU Cumulative.

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  - Complete Mathematics (MA) requirement.

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- Term hours subtotal: 16.25

- Must declare major by the end of Term 3.
- Changes of major into this program are not allowed.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	

**Total Hours:** 47.50  
**Upper Division Hours:** 51 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Computer Information Systems, BS




School/College: W. P. Carey School of Business






Location: Tempe campus


BACISBS

**FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

ECN 221: Business Statistics (CS)	3	C
WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ)	4	
General Studies Elective	3	
❖ Complete ECN 211 OR ECN 212 with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		16.25

- delay in graduation. See your **academic advisor** for more information and options.
- Explore **career resources**.
  - Meet with your **W. P. Carey Career Coach**

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ CIS 235: Introduction to Information Systems	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU</b> career fairs</li> <li>• Apply for <b>internships</b> or <b>create one</b></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	1		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CIS 340: Business Information System Development I	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
★ CIS 365: Business Database Systems Development	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC Career Preparation Course	0.25	C	
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CIS 345: Business Information System Development II	3	C	<ul style="list-style-type: none"> <li>• Complete <b>informational interviews</b></li> <li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> </ul>
★ CIS 425: Web Technologies for the Enterprise	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
General Studies Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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★	Hours	Grade	Notes
★ CIS 401: Managing Cyber Risks in Enterprise Business Processes	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> </ul>
★ CIS 430: Mobile Platforms for Business	3	C	
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
Term hours subtotal:	15		

★	Hours	Minimum Grade	Notes
<b>Term 8 106.75 - 120.00 Credit Hours Necessary course signified by</b>			
★ CIS 440: Capstone in Information Systems (L)	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
General Studies Elective	3		
Elective	1		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)
General Studies Electives	General Studies Electives Continued	
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin	
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin	
COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra	
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures	
COM 281: Communication Activities	MAT 310: Introduction to Geometry	
	MAT 342: Linear Algebra	

COM 310: Relational Communication	MAT 370: Intermediate Calculus
COM 312: Communication, Conflict, and Negotiation	MAT 371: Advanced Calculus I
COM 317: Nonverbal Communication	MAT 372: Advanced Calculus II
COM 341: Social Contexts for Performance	MAT 410: Introduction to General Topology
COM 414: Crisis Communication	MAT 415: Introduction to Combinatorics
COM 430: Leadership in Group Communication	MAT 416: Introduction to Graph Theory
COM 453: Communication Training and Development	MAT 442: Advanced Linear Algebra
COM 465: Intercultural Communication Workshop	MAT 443: Introduction to Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 444: Intermediate Abstract Algebra
ENG 213: Introduction to the Study of Language	MAT 445: Theory of Numbers
ENG 310: Intermediate Creative Writing	MAT 460: Vector Calculus
ENG 314: Modern Grammar	MAT 461: Applied Complex Analysis
ENG 345: Selected Authors or Issues	MAT 462: Applied Partial Differential Equations
FAS 301: Introduction to Parenting	MAT 472: Intermediate Real Analysis I
GCU 433: Geography of Southeast Asia	MAT 475: Differential Equations
GRK 101: Elementary Ancient Greek	MAT 485: History of Mathematics
GRK 201: Intermediate Ancient Greek	POR 101: Elementary Portuguese
HST 389: Japan Society and Values/Premod	ROM 101: Elementary Romanian
IDN 101: Elementary Indonesian I	ROM 201: Intermediate Romanian
IDN 102: Elementary Indonesian II	ROM 313: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	ROM 314: Romanian Composition and Conversation
JPN 414: Introduction to Classical Japanese	RUS 101: Elementary Russian I
KOR 101: First-Year Korean I	RUS 102: Elementary Russian II
KOR 102: First-Year Korean II	SHS 101: American Sign Language I
	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: Áltima, Rafa y Lala

**Total Hours:** 120.00

**General University Requirements Legend**

**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Computer Information Systems, BS



School/College: [W. P. Carey School of Business](#)




Location: [Online](#)



BACISBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and ASU Career Fairs</li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• <a href="#">Research study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		

Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		





Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> </ul>
WPC Career Preparation Course	0.25	C	



General Studies Elective

3



Term hours subtotal: 6.25



- Meet with your **W. P. Carey Career Coach**

<b>Term 3 - B 37.50 - 46.50 Credit Hours Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
General Studies Elective	3		
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		



<b>Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**



<b>Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by</b> 	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
General Studies Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

<b>Term 5 - A 59.50 - 68.50 Credit Hours Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 235: Introduction to Information Systems	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
Term hours subtotal:	9		

- Meet with your **W. P. Carey Career Coach**

<b>Term 5 - B 68.50 - 74.75 Credit Hours Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 340: Business Information System Development I	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	6.25		

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.

<b>Term 6 - A 74.75 - 80.75 Credit Hours Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 365: Business Database Systems Development	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		

- Complete **informational interviews**

<b>Term 6 - B 80.75 - 89.75 Credit Hours Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 345: Business Information System Development II	3	C	

FIN 300: Fundamentals of Finance	3	C
Upper Division International Business Elective AND Global Awareness (G)	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		9

Term 7 - A 89.75 - 95.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 425: Web Technologies for the Enterprise	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
ENG 302: Business Writing (L)	3		
Term hours subtotal:		6	

Term 7 - B 95.75 - 104.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 401: Managing Cyber Risks in Enterprise Business Processes	3	C	
★ CIS 430: Mobile Platforms for Business	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Term hours subtotal:		9	

Term 8 - A 104.75 - 113.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 440: Capstone in Information Systems (L)	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:		9	

Term 8 - B 113.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:		6.25	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course-select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

ECN 306: Survey of International Economics  
(SB & G)

MGT 302: Principles of International Business  
(G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management  
(G)

#### General Studies Electives

BIO 320: Fundamentals of Ecology

COM 207: Introduction to Communication  
Inquiry

COM 259: Communication in Business and  
the Professions

COM 312: Communication, Conflict, and  
Negotiation

COM 414: Crisis Communication

COM 430: Leadership in Group  
Communication

COM 453: Communication Training and  
Development

ENG 210: Introduction to Creative Writing

ENG 310: Intermediate Creative Writing

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Economics, BS










School/College: [W. P. Carey School of Business](#)

Location: [Tempe campus](#)

BAECNBS

#### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>	
CIS 105: Computer Applications and Information Technology (CS)	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C		
SOC OR PSY course (SB)	3			
Humanities, Arts and Design (HU)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16-17			
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3			<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 211: Mathematics for Business Analysis OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C		
WPC Career Preparation Course	0.25	C		
SOC OR PSY course (SB)	3			
 Complete CIS 105 with a grade of "C" or better.				
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Complete MAT 210 OR MAT 270 with a grade of "C" or better.				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15.25-16.25			
Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a</li> </ul>	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C		

ECN 221: Business Statistics (CS)	3	C
WPC Career Preparation Course	0.25	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Natural Science - Quantitative (SQ)	4	
❖ Complete ECN 211 AND ECN 212 with grades of "C" or better.		
❖ Complete MAT 211 OR MAT 271 with grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16.25	

delay in graduation. See your **academic advisor** for more information and options.

- Explore **career resources**.
- Meet with your **W. P. Carey Career Coach**

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Upper Division Elective	1		
Elective	3		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	
ENG 302: Business Writing (L)	3		
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
General Studies Elective	3		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	
ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- 3 credit hours maximum of ECN 484 and ECN 499 are allowed
- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G)	3	C
LES 305: Business Law and Ethics for Managers	3	C
Upper Division Economics Elective	3	C
ECN 4** Elective	3	C
General Studies Elective	3	
Term hours subtotal:	15	

- 3 credit hours maximum of ECN 484 and ECN 499 are allowed.
- All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480
- Attend **W. P. Carey** and **ASU Career Fairs**
- Gather **professional references**
- Update your **resume**

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L)	3	C	<ul style="list-style-type: none"> <li>• 3 credit hours maximum of ECN 484 and ECN 499 are allowed.</li> <li>• Apply for <b>full-time career opportunities</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC Career Preparation Course	0.25	C	
ECN 4** Elective	3	C	
Upper Division Elective	1		
Elective OR ECN 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Economics Electives
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 315: Money & Banking
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	ECN 331: Economics of the European Economic Union (SB & G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		ECN 335: South Asia and the World Economy (SB & G)
		ECN 342: Sports Economics
		ECN 345: Survey of Environmental and Resource Economics
		ECN 355: Economics of Healthcare
		ECN 360: Economic Development (SB & G)
		ECN 365: Economics of Russia and Eastern Europe (SB & G)
		ECN 394: Special Topics or ECN 494: Special Topics



ECN 416: Game Theory and Economic Behavior

ECN 421: Labor Economics (SB)

ECN 423: Economics of Education

ECN 436: International Trade Theory (SB & G)

ECN 438: International Monetary Economics (SB & G)

ECN 441: Public Economics (SB)

ECN 445: Environmental Economics

ECN 453: Industrial Organization and Competition Policy

ECN 455: Health Economics

ECN 470: Mathematical Economics

ECN 484: Internship

ECN 493: Honors Thesis (L)

General Studies Electives	General Studies Electives Continued
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin
COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
COM 281: Communication Activities	MAT 310: Introduction to Geometry
COM 310: Relational Communication	MAT 342: Linear Algebra
COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I
COM 341: Social Contexts for Performance	MAT 372: Advanced Calculus II
COM 414: Crisis Communication	MAT 410: Introduction to General Topology
COM 430: Leadership in Group Communication	MAT 415: Introduction to Combinatorics
COM 453: Communication Training and Development	MAT 416: Introduction to Graph Theory
COM 465: Intercultural Communication Workshop	MAT 442: Advanced Linear Algebra
ENG 210: Introduction to Creative Writing	MAT 443: Introduction to Abstract Algebra
ENG 213: Introduction to the Study of Language	MAT 444: Intermediate Abstract Algebra
ENG 310: Intermediate Creative Writing	MAT 445: Theory of Numbers
	MAT 460: Vector Calculus
	MAT 461: Applied Complex Analysis
	MAT 462: Applied Partial Differential Equations

ENG 314: Modern Grammar	MAT 472: Intermediate Real Analysis I
ENG 345: Selected Authors or Issues	MAT 475: Differential Equations
FAS 301: Introduction to Parenting	MAT 485: History of Mathematics
GCU 433: Geography of Southeast Asia	POR 101: Elementary Portuguese
GRK 101: Elementary Ancient Greek	ROM 101: Elementary Romanian
GRK 201: Intermediate Ancient Greek	ROM 201: Intermediate Romanian
HST 389: Japan Society and Values/Premod	ROM 313: Romanian Composition and Conversation
IDN 101: Elementary Indonesian I	ROM 314: Romanian Composition and Conversation
IDN 102: Elementary Indonesian II	
JPN 206: Japanese Calligraphy	RUS 101: Elementary Russian I
JPN 414: Introduction to Classical Japanese	RUS 102: Elementary Russian II
KOR 101: First-Year Korean I	SHS 101: American Sign Language I
KOR 102: First-Year Korean II	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: Áltima, Rafa y Lala

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Economics, BS

School/College: [W. P. Carey School of Business](#)

Location:  
BAECNBS

and

Engineering





Management,






BSE

[Ira A. Fulton Schools of Engineering](#)

ESEMGBSE

In order to complete this concurrent degree in four years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.





Term 1 0 - 18 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASU 101-EEE or WPC 101 meets this requirement.</li> <li>• Students taking CHM 113 for the Basic Science Elective need to earn a "C" minimum grade and complete CHM 116 for the degree.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-IEE: The ASU Experience OR WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Basic Science Elective	3-4		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	18-19		






Term 2 18 - 34.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or organization</li> <li>• Create your first college <b>resume</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
WPC Career Preparation Course	0.25	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16.25		

Summer 2 Session 1 34.25 - 40.25 Credit Hours	Hours	Minimum Grade	Notes
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ECN 211: Macroeconomic Principles (SB)	3	C
SOC course (SB)	3	
Term hours subtotal:	6	

Summer 2 Session 2 40.25 - 46.25 Credit Hours	Hours	Minimum Grade	Notes
ECN 212: Microeconomic Principles (SB)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 3 46.25 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Students who took CHM 113 for the Basic Science Elective in term 1 must complete CHM 116 for the degree</li> <li>• Explore <a href="#">career resources</a>.</li> <li>• Meet with your Career Coaches</li> </ul>
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
LES 305: Business Law and Ethics for Managers	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
Global Engineering/Sustainability/Entrepreneurship Track course	3-4		
WPC Career Preparation Course	0.25	C	
 Minimum 2.00 GPA ASU Cumulative.			
 Complete ECN 211 AND ECN 212 course(s).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25-17.25		

Term 4 62.50 - 79.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.</li> </ul>
 IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
 MAT 242: Elementary Linear Algebra	2	C	
ECN Upper Division Elective	3	C	
MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
MKT 300: Marketing and Business Performance	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	17		

Summer 4 Session 1 79.50 - 85.50 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		

Summer 4 Session 2 85.50 - 91.50 Credit Hours	Hours	Minimum Grade	Notes
MGT 300: Organization and Management Leadership	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 91.50 - 106.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C
★ IEE 376: Operations Research Deterministic Techniques/Applications	3	C
IEE 300: Economic Analysis for Engineers	3	C
IEE 385: Engineering Statistics: Probability	3	C
IEE 431: Engineering Administration (L)	3	C
WPC Career Preparation Course	0.25	C
Term hours subtotal:	15.25	

- Attend Career Fairs
- Apply for internships or create one
- Complete informational interviews

Term 6 106.75 - 123.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C
★ IEE 477: System Dynamics and Thinking	3	C
IEE 320: Extreme Excel	1	C
IEE 321: Ethics and Technical Communication	1	C
IEE 369: Work Analysis and Design (L)	3	C
IEE 381: Lean Six Sigma Methodology	3	C
IEE 458: Project Management	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	17	

Summer 6 Session 1 123.75 - 129.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G)	3	C
★ SCM 300: Global Supply Operations	3	C
Term hours subtotal:	6	

- A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.

Summer 6 Session 2 129.75 - 133.00 Credit Hours	Hours	Minimum Grade	Notes
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MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
WPC Career Preparation Course	0.25	C
Term hours subtotal:	3.25	

Term 7 133.00 - 151.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C
★ ECN 4** Elective	3	C
★ IEE 454: Risk Management	3	C
★ IEE 485: Systems Design Capstone I (L)	3	C
IEE 412: Introduction to Financial Engineering	3	C
IEE 474: Quality Control	3	C
Term hours subtotal:	18	

- All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480.

Term 8 151.00 - 169.00 Credit Hours Necessary course signified by ★	Hours	Minimum	Notes
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★		Grade	
★	ECN 475: Capstone in Economics (L)	3	C
★	IEE 456: Introduction to Systems Engineering	3	C
★	IEE 486: Systems Design Capstone II (L)	3	C
★	WPC 480: W. P. Carey Capstone Course (L)	3	C
★	ECN 4** Elective	3	C
	IEE 461: Production Control	3	C
	Term hours subtotal:	18	

- A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.
- Apply for full-time career opportunities

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Basic Science Elective - select one course (3-4 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	BIO 181: General Biology I (SQ)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	BIO 182: General Biology II (SG)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	BIO 201: Human Anatomy and Physiology I (SG)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		BIO 202: Human Anatomy and Physiology II (SG)
		BME 111: Engineering Perspectives on Biological Systems
		CHM 113: General Chemistry I (SQ)
		GLG 101: Introduction to Geology I (Physical) (SQ)
		GLG 102: Introduction to Geology II (Historical) (SG & H)
		GLG 110: Dangerous World (SG & G)
		PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
Global Engineering/Sustainability/Entrepreneurship Track - select one course (3-4 credit hours)		
ALA 102: Landscapes and Sustainability (HU & G)		
CEE 181: Technological, Social, and Sustainable Systems (HU)		
FSE 301: Entrepreneurship and Value Creation		
PUP 190: Sustainable Cities ((HU or SB) & G) or SOS 111: Sustainable Cities ((HU or SB) & G)		
SES 106: Habitable Worlds (SQ)		

**Total Hours:** 169.00  
**Upper Division Hours:** 51 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Economics, BS



School/College: W. P. Carey School of Business




Location: Online



BAECNBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Create your first college <b>resume</b></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <b>student club or organization</b></li> </ul>
PSY course (SB) OR SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		

Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
PSY course (SB) OR SOC course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		

Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <b>career resources</b>.</li> </ul>
WPC Career Preparation Course	0.25	C	














General Studies Elective

3

Term hours subtotal: 6.25

- Meet with your **W. P. Carey Career Coach**

Term 3 - B 37.50 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Elective	3		
 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		
Term 4 - A 46.50 - 53.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		<ul style="list-style-type: none"><li>• Attend <b>W. P. Carey</b> and ASU career fairs</li><li>• Apply for <b>internships</b> or <b>create one</b></li></ul>
Term 4 - B 53.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 5 - A 62.50 - 71.50 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 312: Intermediate Microeconomic Theory (SB)	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
Term hours subtotal:	9		<ul style="list-style-type: none"><li>• Meet with your <b>W. P. Carey Career Coach</b></li></ul>
Term 5 - B 71.50 - 77.75 Credit Hours	Hours	Minimum Grade	Notes
MGT 300: Organization and Management Leadership	3	C	
Upper Division Economics Elective	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	6.25		<ul style="list-style-type: none"><li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li></ul>
Term 6 - A 77.75 - 83.75 Credit Hours	Hours	Minimum Grade	Notes
ECN 410: Applied Regression Analysis and Forecasting	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		<ul style="list-style-type: none"><li>• Complete <b>informational interviews</b></li></ul>
Term 6 - B 83.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes

★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C
FIN 300: Fundamentals of Finance	3	C
LES 305: Business Law and Ethics for Managers	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	9	

Term 7 - A 92.75 - 98.75 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		<ul style="list-style-type: none"> <li>All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480</li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> </ul>
ECN 4** Elective	3	C	
Term hours subtotal:	6		

Term 7 - B 98.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G)	3	C	
General Studies Elective	3		
Upper Division Elective	2		
Term hours subtotal:	8		

Term 8 - A 106.75 - 113.75 Credit Hours	Hours	Minimum Grade	Notes
ECN 4** Elective	3	C	<ul style="list-style-type: none"> <li>Apply for <a href="#">full-time career opportunities</a></li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 8 - B 113.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L)	3	C	
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	6.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Economics Electives
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 315: Money & Banking

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WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

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WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

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ECN 421: Labor Economics (SB)

ECN 438: International Monetary Economics  
(SB & G)

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ECN 484: Internship

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#### General Studies Electives

BIO 320: Fundamentals of Ecology

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COM 207: Introduction to Communication  
Inquiry

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COM 259: Communication in Business and  
the Professions

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COM 312: Communication, Conflict, and  
Negotiation

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COM 414: Crisis Communication

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COM 430: Leadership in Group  
Communication

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COM 453: Communication Training and  
Development

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ENG 210: Introduction to Creative Writing

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ENG 310: Intermediate Creative Writing

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ENG 345: Selected Authors or Issues

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FAS 301: Introduction to Parenting

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MAT 242: Elementary Linear Algebra

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MAT 243: Discrete Mathematical Structures

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POR 101: Elementary Portuguese

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ROM 101: Elementary Romanian

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SPA 101: Elementary Spanish I

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SPA 102: Elementary Spanish II

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**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Finance, BS




School/College: W. P. Carey School of Business






Location: Tempe campus


BAFINBS

#### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 232: Financial Accounting I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

ECN 221: Business Statistics (CS)	3	C
WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ)	4	
General Studies Elective	3	
❖ Complete ECN 211 OR ECN 212 with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		16.25

- delay in graduation. See your **academic advisor** for more information and options.
- Explore **career resources**.
  - Meet with your **W. P. Carey Career Coach**

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ FIN 302: Managerial Finance OR FIN 303: Honors Finance	3	C	<ul style="list-style-type: none"> <li>• If an Honors student takes FIN 303, which satisfies both FIN 302 and FIN 361, then the student must take an additional FIN 400-level course to satisfy the required hours in the major.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU career fairs</li> <li>• Apply for <b>internships</b> or <b>create</b> one</li> <li>• Develop your <b>professional online presence</b></li> </ul>
ACC 242: Managerial Accounting I	3	C	
FIN 331: Financial Markets and Institutions	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Cultural Diversity in the U.S. (C)	3		
❖ Complete ACC 232 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ACC 340: External Reporting I	3	C	<ul style="list-style-type: none"> <li>• If an Honors student takes FIN 303, which satisfies both FIN 302 and FIN 361, then the student must take an additional FIN 400-level course to satisfy the required hours in the major.</li> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
★ FIN 361: Advanced Managerial Finance	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC Career Preparation Course	0.25	C	
★ Complete ACC 242 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIN 421: Security Analysis and Portfolio Management	3	C	<ul style="list-style-type: none"> <li>• If an Honors student takes FIN 303, which satisfies both FIN 302 and FIN 361, then the student must take an additional FIN 400-level course to satisfy the required hours in the major</li> <li>• Complete <b>informational interviews</b></li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
General Studies Elective	3		
Elective	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

★ Term 7 92.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ Upper Division Finance Elective	3	C	<ul style="list-style-type: none"> <li>• All upper-division Business Core classes must be completed before enrolling in WPC 480.</li> <li>• Accountancy and Finance concurrent degree students may not use ACC 350 or ACC 440 as the Finance Upper Division Elective, and must take an additional Finance Upper Division Elective to replace ACC 340.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU</b> Career Fairs</li> <li>• Gather <b>professional references</b></li> <li>• Update your <b>resume</b></li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Upper Division Elective	2		
Term hours subtotal:	15		

★ Term 8 107.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ FIN 461: Financial Cases and Modeling (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC Career Preparation Course	0.25	C	
General Studies Elective	3		
Elective OR FIN 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division Finance Elective - select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	ACC 350: Internal Reporting
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ACC 440: External Reporting II
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	FIN 427: Derivative Financial Securities
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		FIN 431: Management of Financial Institutions
		FIN 455: Entrepreneurial Finance
		FIN 456: International Financial Management (G)
		FIN 471: SIM Fund
		FIN 472: Investment Banking Industry Scholars
		FIN 494: Special Topics

Upper Division International Business Course - select one course (3 credit hrs)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities	MAT 310: Introduction to Geometry
	COM 310: Relational Communication	MAT 342: Linear Algebra
	COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
	COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I
	COM 341: Social Contexts for Performance	MAT 372: Advanced Calculus II
	COM 414: Crisis Communication	MAT 410: Introduction to General Topology
	COM 430: Leadership in Group Communication	MAT 415: Introduction to Combinatorics
	COM 453: Communication Training and Development	MAT 416: Introduction to Graph Theory
	COM 465: Intercultural Communication Workshop	MAT 442: Advanced Linear Algebra
ENG 210: Introduction to Creative Writing	COM 453: Communication Training and Development	MAT 443: Introduction to Abstract Algebra
ENG 213: Introduction to the Study of Language	COM 465: Intercultural Communication Workshop	MAT 444: Intermediate Abstract Algebra
ENG 310: Intermediate Creative Writing	ENG 210: Introduction to Creative Writing	MAT 445: Theory of Numbers
ENG 314: Modern Grammar	ENG 213: Introduction to the Study of Language	MAT 460: Vector Calculus
ENG 345: Selected Authors or Issues	ENG 310: Intermediate Creative Writing	MAT 461: Applied Complex Analysis
FAS 301: Introduction to Parenting	ENG 314: Modern Grammar	MAT 462: Applied Partial Differential Equations
GCU 433: Geography of Southeast Asia	ENG 345: Selected Authors or Issues	MAT 472: Intermediate Real Analysis I
GRK 101: Elementary Ancient Greek	FAS 301: Introduction to Parenting	MAT 475: Differential Equations
GRK 201: Intermediate Ancient Greek	GCU 433: Geography of Southeast Asia	MAT 485: History of Mathematics
HST 389: Japan Society and Values/Premod	GRK 101: Elementary Ancient Greek	POR 101: Elementary Portuguese
IDN 101: Elementary Indonesian I	GRK 201: Intermediate Ancient Greek	ROM 101: Elementary Romanian
IDN 102: Elementary Indonesian II	HST 389: Japan Society and Values/Premod	ROM 201: Intermediate Romanian
JPN 206: Japanese Calligraphy	IDN 101: Elementary Indonesian I	ROM 313: Romanian Composition and Conversation
JPN 414: Introduction to Classical Japanese	IDN 102: Elementary Indonesian II	ROM 314: Romanian Composition and Conversation
KOR 101: First-Year Korean I	JPN 206: Japanese Calligraphy	RUS 101: Elementary Russian I
KOR 102: First-Year Korean II	JPN 414: Introduction to Classical Japanese	RUS 102: Elementary Russian II
	KOR 101: First-Year Korean I	SHS 101: American Sign Language I
	KOR 102: First-Year Korean II	SHS 102: American Sign Language II
		SHS 201: American Sign Language III



SHS 202: American Sign Language IV

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SPA 101: Elementary Spanish I

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SPA 102: Elementary Spanish II

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SPA 111: Fundamentals of Spanish

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SPA 486: Chicano/a Novel: *Áltima*, *Rafa y Lala*

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**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Management, BS






School/College: W. P. Carey School of Business


Location: Polytechnic campus, Tempe campus, West campus  
BAMGTBS

### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation.</li> <li>• PSY 101 or SOC 101 is a prerequisite to MGT 320 in term 6</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Explore student <b>leadership opportunities</b> and <b>mentorship programs</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
WPC Career Preparation Course	0.25	C	
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 course with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

ECN 221: Business Statistics (CS)	3	C
WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ)	4	
General Studies Elective	3	
◆ Complete ECN 211 OR ECN 212 with a grade of "C" or better.		
◆ Complete MAT 211 with a grade of "C" or better.		
◆ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		16.25

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Explore **career resources**.
- Meet with your **W. P. Carey Career Coach**

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses:	6		
General Studies Elective			
Upper Division Elective	1		
◆ Complete ACC 231 with a grade of "C" or better.			
◆ Complete ECN 221 with a grade of "C" or better.			
◆ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
ENG 302: Business Writing (L)	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MGT 320: Organizational Behavior	3	C	
MGT 302: Principles of International Business (G) OR Upper Division International Business Course	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division Management Elective	3	C	
General Studies Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MGT 400: Cross-Cultural Management (C & G)	3	C
FIN 300: Fundamentals of Finance	3	C
LES 305: Business Law and Ethics for Managers	3	C
Upper Division Management Elective	3	C
Elective	3	
Term hours subtotal:	15	

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	• Apply for full-time career opportunities
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
4** Business Elective	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective	1		
Elective	3		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division Management Electives - select two courses (6 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	ENT 340: Creativity and Innovation (L or HU)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ENT 360: Entrepreneurship and Value Creation
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or	ENT 440: Entrepreneurship
WPC 448: Intensive Career Preparation or	WPC 449: Campus to Career	ENT 445: Business Model Development
WPC 449: Campus to Career		ENT 446: Venture Capital Experience
		ENT 447: Lean Launch
		ENT 494: Special Topics
		MGT 310: Collaborative Team Skills
		MGT 420: Human Resource Management
		MGT 430: Negotiations
		MGT 450: Consulting Projects (L)
		MGT 459: International Management (G)
		MGT 484: Internship
		MGT 493: Honors Thesis (L)
		MGT 494: Special Topics

4** Business Elective - select one course (3 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives
ACC 4** Elective	AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology
AGB 4** Elective	ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy
CIS 4** Elective	MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry
ECN 4** Elective	MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions
ENT 4** Elective	SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities
FIN 4** Elective		COM 310: Relational Communication
MGT 4** Elective		COM 312: Communication, Conflict, and Negotiation
MKT 4** Elective		COM 317: Nonverbal Communication
REA 4** Elective		COM 341: Social Contexts for Performance
SCM 4** Elective		COM 414: Crisis Communication
		COM 430: Leadership in Group Communication
		COM 453: Communication Training and Development
		COM 465: Intercultural Communication Workshop
		ENG 210: Introduction to Creative Writing
		ENG 213: Introduction to the Study of Language
		ENG 310: Intermediate Creative Writing
		ENG 314: Modern Grammar
		ENG 345: Selected Authors or Issues
		FAS 301: Introduction to Parenting
		GCU 433: Geography of Southeast Asia
		GRK 101: Elementary Ancient Greek
		GRK 201: Intermediate Ancient Greek
		HST 389: Japan Society and Values/Premod
		IDN 101: Elementary Indonesian I
		IDN 102: Elementary Indonesian II
		JPN 206: Japanese Calligraphy
		JPN 414: Introduction to Classical Japanese
		KOR 101: First-Year Korean I
		KOR 102: First-Year Korean II

General Studies Electives Continued

LAT 101: Elementary Latin

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LAT 102: Elementary Latin

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MAT 242: Elementary Linear Algebra

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MAT 243: Discrete Mathematical Structures

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MAT 310: Introduction to Geometry

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MAT 342: Linear Algebra

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MAT 370: Intermediate Calculus

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MAT 371: Advanced Calculus I

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MAT 372: Advanced Calculus II

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MAT 410: Introduction to General Topology

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MAT 415: Introduction to Combinatorics

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MAT 416: Introduction to Graph Theory

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MAT 442: Advanced Linear Algebra

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MAT 443: Introduction to Abstract Algebra

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MAT 444: Intermediate Abstract Algebra

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MAT 445: Theory of Numbers

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MAT 460: Vector Calculus

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MAT 461: Applied Complex Analysis

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MAT 462: Applied Partial Differential  
Equations

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MAT 472: Intermediate Real Analysis I

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MAT 475: Differential Equations

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MAT 485: History of Mathematics

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POR 101: Elementary Portuguese

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ROM 101: Elementary Romanian

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ROM 201: Intermediate Romanian

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ROM 313: Romanian Composition and  
Conversation

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ROM 314: Romanian Composition and  
Conversation

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RUS 101: Elementary Russian I

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RUS 102: Elementary Russian II

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SHS 101: American Sign Language I

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SHS 102: American Sign Language II

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SHS 201: American Sign Language III

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SHS 202: American Sign Language IV

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SPA 101: Elementary Spanish I

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SPA 102: Elementary Spanish II

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SPA 111: Fundamentals of Spanish

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SPA 486: Chicano/a Novel: *Áltima, Rafa y Lala*

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**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition














General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Management, BS

School/College: W. P. Carey School of Business

Location: Online

BAMGTBS



Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a></li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		
Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• PSY 101 or SOC 101 is a prerequisite to MGT 320 in term 6A</li> </ul>
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
WPC Career Preparation Course	0.25	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		
Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	



WPC Career Preparation Course	0.25	C
General Studies Elective	3	
Term hours subtotal:	6.25	

- Explore **career resources**.
- Meet with your **W. P. Carey Career Coach**

Term 3 - B 37.50 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 ACC 241: Uses of Accounting Information II	3	C
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C
General Studies Elective	3	
 Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	9	

Term 4 - A 46.50 - 53.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 ECN 221: Business Statistics (CS)	3	C
Natural Science - Quantitative (SQ)	4	
Term hours subtotal:	7	

- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**


Term 4 - B 53.50 - 59.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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General Studies Elective	3	
Elective	3	
 Complete ECN 211 AND ECN 212.		
 Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	6	

Term 5 - A 59.50 - 68.50 Credit Hours	Hours	Minimum Grade	Notes
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ENG 302: Business Writing (L)	3	
MKT 300: Marketing and Business Performance	3	C
SCM 300: Global Supply Operations	3	C
Term hours subtotal:	9	

- Meet with your **W. P. Carey Career Coach**

Term 5 - B 68.50 - 75.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 MGT 300: Organization and Management Leadership	3	C
WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	7.25	

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 75.75 - 81.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 MGT 320: Organizational Behavior	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
Term hours subtotal:	6	

- Complete **informational interviews**

Term 6 - B 81.75 - 90.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ LES 305: Business Law and Ethics for Managers	3	C
FIN 300: Fundamentals of Finance	3	C
MGT 302: Principles of International Business (G) OR Upper Division International Business Elective	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		9

Term 7 - A 90.75 - 96.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 400: Cross-Cultural Management (C & G)	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> </ul>
Upper Division Management Elective	3	C	
Term hours subtotal:		6	

Term 7 - B 96.75 - 104.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	
Upper Division Management Elective	3	C	
Upper Division Elective	2		
Term hours subtotal:		8	

Term 8 - A 104.75 - 113.75 Credit Hours	Hours	Minimum Grade	Notes
4** Business Elective	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b></li> </ul>
Upper Division Humanities, Arts and Design (HU)	3		
General Studies Elective	3		
Term hours subtotal:		9	

Term 8 - B 113.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC Career Preparation Course	0.25	C	
Elective	3		
Term hours subtotal:		6.25	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division Management Electives - select two courses (6 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	ENT 360: Entrepreneurship and Value Creation
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	MGT 420: Human Resource Management

WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 430: Negotiations
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		
Upper Division International Business Course - select one course (3 credit hours)	4** Business Elective - select one course (3 credit hours)	General Studies Electives
AGB 302: International Management and Agribusiness (G)	ACC 4** Elective	BIO 320: Fundamentals of Ecology
ECN 306: Survey of International Economics (SB & G)	AGB 4** Elective	COM 207: Introduction to Communication Inquiry
MGT 302: Principles of International Business (G)	CIS 4** Elective	COM 259: Communication in Business and the Professions
MKT 425: Global Marketing Management (G)	ECN 4** Elective	COM 312: Communication, Conflict, and Negotiation
SCM 463: Global Supply Chain Management (G)	MGT 4** Elective	COM 414: Crisis Communication
	MKT 4** Elective	COM 430: Leadership in Group Communication
	SCM 4** Elective	COM 453: Communication Training and Development
		ENG 210: Introduction to Creative Writing
		ENG 310: Intermediate Creative Writing
		ENG 345: Selected Authors or Issues
		FAS 301: Introduction to Parenting
		MAT 242: Elementary Linear Algebra
		MAT 243: Discrete Mathematical Structures
		POR 101: Elementary Portuguese
		ROM 101: Elementary Romanian
		SPA 101: Elementary Spanish I
		SPA 102: Elementary Spanish II

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Marketing, BS




School/College: W. P. Carey School of Business






Location: Tempe campus


BAMKTBS

**FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

ECN 221: Business Statistics (CS)	3	C
WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ)	4	
General Studies Elective	3	
♦ Complete ECN 211 OR ECN 212 with a grade of "C" or better.		
♦ Complete MAT 211 with a grade of "C" or better.		
♦ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		16.25

- delay in graduation. See your **academic advisor** for more information and options.
- Explore **career resources**.
  - Meet with your **W. P. Carey Career Coach**

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ♦	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II	3	C
Cultural Diversity in the U.S. (C)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
General Studies Elective	3	
Upper Division Elective	1	
♦ Complete ACC 231 with a grade of "C" or better.		
♦ Complete ECN 221 with a grade of "C" or better.		
♦ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:		14

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and **ASU** career fairs
- Apply for **internships** or **create one**
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 302: Applied Marketing Management and Leadership (L)	3	C
ENG 302: Business Writing (L)	3	
FIN 300: Fundamentals of Finance	3	C
SCM 300: Global Supply Operations	3	C
WPC Career Preparation Course	0.25	C
Upper Division Humanities, Arts and Design (HU)	3	
★ Complete ACC 241 with a grade of "C" or better.		
Term hours subtotal:		15.25

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 352: Marketing Research (L)	3	C
MGT 300: Organization and Management Leadership	3	C
Upper Division International Business Course AND Global Awareness (G)	3	C
Upper Division Marketing Elective	3	C
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		15

- MKT 425 cannot count as both the International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective.
- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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★	Hours	Grade	Notes
★ MKT 402: Consumer Behavior	3	C	<ul style="list-style-type: none"> <li>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>• MKT 425 cannot count as both the International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective.</li> <li>• Attend <i>W. P. Carey</i> and <i>ASU</i> Career Fairs</li> <li>• Gather <i>professional references</i></li> <li>• Update your <i>resume</i></li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division Marketing Elective	3	C	
General Studies Elective	3		
Term hours subtotal:	15		

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy	3	C	<ul style="list-style-type: none"> <li>• MKT 425 cannot count as both the International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective.</li> <li>• Apply for <i>full-time career opportunities</i></li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
Upper Division Marketing Elective	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective	1		
Elective	3		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division Marketing Electives - select three courses (9 credit hours, MKT 494 topic cannot be sports related))
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	MKT 355: Designing Brand Identity: Methods and Digital Tools
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	MKT 365: Advertising and Beyond: Customer-Centric Brand Development
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MKT 370: Professional Sales and Relationship Management
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 410: Sales Management
		MKT 425: Global Marketing Management (G)
		MKT 435: Entrepreneurial Marketing
		MKT 440: Creating Digital Experiences
		MKT 442: Services Marketing Strategy

		MKT 450: Social Media and Content Marketing
		MKT 452: Business-to-Business Marketing Strategy
		MKT 455: Brand Management
		MKT 462: Competitive Marketing Strategy
		MKT 472: Immersive Brand Experience I: Intelligence, Insights and Strategy
		MKT 473: Immersive Brand Experience II: Creative, Media and Measures
		MKT 484: Internship
		MKT 493: Honors Thesis (L)
		MKT 494: Special Topics
		MKT 499: Individualized Instruction
Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities	MAT 310: Introduction to Geometry
	COM 310: Relational Communication	MAT 342: Linear Algebra
	COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
	COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I
	COM 341: Social Contexts for Performance	MAT 372: Advanced Calculus II
	COM 414: Crisis Communication	MAT 410: Introduction to General Topology
	COM 430: Leadership in Group Communication	MAT 415: Introduction to Combinatorics
	COM 453: Communication Training and Development	MAT 416: Introduction to Graph Theory
	COM 465: Intercultural Communication Workshop	MAT 442: Advanced Linear Algebra
	ENG 210: Introduction to Creative Writing	MAT 443: Introduction to Abstract Algebra
	ENG 213: Introduction to the Study of Language	MAT 444: Intermediate Abstract Algebra
	ENG 310: Intermediate Creative Writing	MAT 445: Theory of Numbers
	ENG 314: Modern Grammar	MAT 460: Vector Calculus
	ENG 345: Selected Authors or Issues	MAT 461: Applied Complex Analysis
		MAT 462: Applied Partial Differential Equations
		MAT 472: Intermediate Real Analysis I
		MAT 475: Differential Equations



FAS 301: Introduction to Parenting	MAT 485: History of Mathematics
GCU 433: Geography of Southeast Asia	POR 101: Elementary Portuguese
GRK 101: Elementary Ancient Greek	ROM 101: Elementary Romanian
GRK 201: Intermediate Ancient Greek	ROM 201: Intermediate Romanian
HST 389: Japan Society and Values/Premod	ROM 313: Romanian Composition and Conversation
IDN 101: Elementary Indonesian I	ROM 314: Romanian Composition and Conversation
IDN 102: Elementary Indonesian II	RUS 101: Elementary Russian I
JPN 206: Japanese Calligraphy	RUS 102: Elementary Russian II
JPN 414: Introduction to Classical Japanese	SHS 101: American Sign Language I
KOR 101: First-Year Korean I	SHS 102: American Sign Language II
KOR 102: First-Year Korean II	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: <i>Áltima</i> , Rafa y Lala

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.














## 2019 - 2020 Major Map

### Marketing, BS

School/College: [W. P. Carey School of Business](#)

Location: [Online](#)

BAMKTBS





Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a></li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB) OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>• <a href="#">Research study abroad opportunities</a> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		
Term 2 - B 25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25	C	
SOC course (SB) OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		
Term 3 - A 31.25 - 37.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> </ul>
WPC Career Preparation Course	0.25	C	



General Studies Elective

3



Term hours subtotal: 6.25



- Meet with your **W. P. Carey Career Coach**

<b>Term 3 - B 37.50 - 46.50 Credit Hours Critical course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
General Studies Elective	3		
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		



<b>Term 4 - A 46.50 - 52.50 Credit Hours Critical course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 ECN 221: Business Statistics (CS)	3	C	
General Studies Elective	3		
Term hours subtotal:	6		

- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one



<b>Term 4 - B 52.50 - 59.50 Credit Hours Critical course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

<b>Term 5 - A 59.50 - 68.50 Credit Hours Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 MKT 302: Applied Marketing Management and Leadership (L)	3	C	
SCM 300: Global Supply Operations	3	C	
Elective	3		
Term hours subtotal:	9		


- Meet with your **W. P. Carey Career Coach**

<b>Term 5 - B 68.50 - 74.75 Credit Hours Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 MKT 352: Marketing Research (L)	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	6.25		

- Students pursuing concurrent degrees within **W. P. Carey** cannot share coursework in the major. Major coursework must be unique to each degree program.

<b>Term 6 - A 74.75 - 83.75 Credit Hours Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 MKT 402: Consumer Behavior	3	C	
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		

- Complete **informational interviews**

<b>Term 6 - B 83.75 - 89.75 Credit Hours Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ Upper Division International Business Course AND Global Awareness (G)	3	C
FIN 300: Fundamentals of Finance	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

- MKT 425 cannot count as both International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective from the list below.

Term 7 - A 89.75 - 95.75 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Marketing Elective	3	C
Elective	3	
Term hours subtotal:	6	

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend **W. P. Carey** and **ASU Career Fairs**

Term 7 - B 95.75 - 104.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy	3	C
LES 305: Business Law and Ethics for Managers	3	C
Upper Division Marketing Elective	3	C
Term hours subtotal:	9	

Term 8 - A 104.75 - 113.75 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Humanities, Arts and Design (HU)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Upper Division Elective	2	
Term hours subtotal:	9	

- Apply for **full-time career opportunities**

Term 8 - B 113.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ WPC 480: W. P. Carey Capstone Course (L)	3	C
Upper Division Marketing Elective	3	C
WPC Career Preparation Course	0.25	C
Term hours subtotal:	6.25	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division Marketing Electives - select three courses (9 credit hrs)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	MKT 365: Advertising and Beyond: Customer-Centric Brand Development
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	

WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MKT 425: Global Marketing Management (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 442: Services Marketing Strategy
		MKT 452: Business-to-Business Marketing Strategy
		MKT 462: Competitive Marketing Strategy
Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	
ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry	
MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	
MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation	
SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication	
	COM 430: Leadership in Group Communication	
	COM 453: Communication Training and Development	
	ENG 210: Introduction to Creative Writing	
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	
	FAS 301: Introduction to Parenting	
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	POR 101: Elementary Portuguese	
	ROM 101: Elementary Romanian	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Marketing (Digital and Integrated Marketing Communications), BS


School/College: [W. P. Carey School of Business](#)

Location: [Tempe campus](#)

BAMKDIMCBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		

General Studies Elective 3

❖ Complete ECN 211 OR ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

Cultural Diversity in the U.S. (C) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

General Studies Elective 3

Upper Division Elective 1

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 302: Applied Marketing Management and Leadership (L) 3 C

FIN 300: Fundamentals of Finance 3 C

SCM 300: Global Supply Operations 3 C

WPC Career Preparation Course 0.25 C

Upper Division Humanities, Arts and Design (HU) 3

General Studies Elective 3

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 15.25

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 352: Marketing Research (L) 3 C

MGT 300: Organization and Management Leadership 3 C

WPC 300: Problem Solving and Actionable Analytics 3 C

Upper Division International Business Course AND Global Awareness (G) 3 C

Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 402: Consumer Behavior 3 C

ENG 302: Business Writing (L) 3

LES 305: Business Law and Ethics for Managers 3 C

- Digital & Integrated Marketing Communication concentration electives must be taken at ASU



Upper Division Digital & Integrated Marketing Communications Concentration Elective	3	C
Elective	3	
Term hours subtotal:	15	

- If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing
- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend [W. P. Carey](#) and [ASU Career Fairs](#)
- Gather [professional references](#)
- Update your [resume](#)

Term 8 106.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy	3	C	<ul style="list-style-type: none"> <li>• Digital &amp; Integrated Marketing Communication concentration electives must be taken at ASU</li> <li>• If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing</li> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
Complete 2 courses:			
Upper Division Digital & Integrated Marketing Communications Concentration Elective	6	C	
WPC Career Preparation Course	0.25	C	
Upper Division Elective	1		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Choose three Upper Division Digital & Integrated Marketing Communication Concentration Electives.
- Digital & Integrated Marketing Communication concentration electives must be taken at ASU.
- If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Digital & Integrated Marketing Communications Concentration Electives - select three courses (9 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	MKT 355: Designing Brand Identity: Methods and Digital Tools
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	MKT 365: Advertising and Beyond: Customer-Centric Brand Development
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MKT 440: Creating Digital Experiences
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 450: Social Media and Content Marketing
		MKT 455: Brand Management
		MKT 472: Immersive Brand Experience I: Intelligence, Insights and Strategy

MKT 473: Immersive Brand Experience II: Creative, Media and Measures

MKT 484: Learning Through Internship or  
MKT 493: Honors Thesis (L)

Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities	MAT 310: Introduction to Geometry
	COM 310: Relational Communication	MAT 342: Linear Algebra
	COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
	COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I
	COM 341: Social Contexts for Performance	MAT 372: Advanced Calculus II
	COM 414: Crisis Communication	MAT 410: Introduction to General Topology
	COM 430: Leadership in Group Communication	MAT 415: Introduction to Combinatorics
	COM 453: Communication Training and Development	MAT 416: Introduction to Graph Theory
	COM 465: Intercultural Communication Workshop	MAT 442: Advanced Linear Algebra
	ENG 210: Introduction to Creative Writing	MAT 443: Introduction to Abstract Algebra
	ENG 213: Introduction to the Study of Language	MAT 444: Intermediate Abstract Algebra
	ENG 310: Intermediate Creative Writing	MAT 445: Theory of Numbers
	ENG 314: Modern Grammar	MAT 460: Vector Calculus
	ENG 345: Selected Authors or Issues	MAT 461: Applied Complex Analysis
	FAS 301: Introduction to Parenting	MAT 462: Applied Partial Differential Equations
	GCU 433: Geography of Southeast Asia	MAT 472: Intermediate Real Analysis I
	GRK 101: Elementary Ancient Greek	MAT 475: Differential Equations
	GRK 201: Intermediate Ancient Greek	MAT 485: History of Mathematics
	HST 389: Japan Society and Values/Premod	POR 101: Elementary Portuguese
	IDN 101: Elementary Indonesian I	ROM 101: Elementary Romanian
	IDN 102: Elementary Indonesian II	ROM 201: Intermediate Romanian
	JPN 206: Japanese Calligraphy	ROM 313: Romanian Composition and Conversation
	JPN 414: Introduction to Classical Japanese	ROM 314: Romanian Composition and Conversation
		RUS 101: Elementary Russian I
		RUS 101: Elementary Russian I

KOR 101: First-Year Korean I

SHS 101: American Sign Language I

KOR 102: First-Year Korean II

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

SPA 111: Fundamentals of Spanish

SPA 486: Chicano/a Novel: *Áltima, Rafa y Lala*

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Marketing (Professional Sales), BS


School/College: W. P. Carey School of Business

Location: Tempe campus

BAMKTPSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Join the W. P. Carey <b>mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		

General Studies Elective 3

❖ Complete ECN 211 OR ECN 212 with a grade of "C" or better.

❖ Complete MAT 211 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ MKT 302: Applied Marketing Management and Leadership (L) 3 C

ACC 241: Uses of Accounting Information II 3 C

Cultural Diversity in the U.S. (C) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Elective 1

❖ Complete ACC 231 with a grade of "C" or better.

❖ Complete ECN 221 with a grade of "C" or better.

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey** and ASU career fairs
- Apply for **internships** or create one
- Develop your **professional online presence**

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 352: Marketing Research (L) 3 C

ENG 302: Business Writing (L) 3

FIN 300: Fundamentals of Finance 3 C

MKT 370: Professional Sales and Relationship Management 3 C

SCM 300: Global Supply Operations 3 C

WPC Career Preparation Course 0.25 C

★ Complete ACC 241 with a grade of "C" or better.

Term hours subtotal: 15.25

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 402: Consumer Behavior 3 C

MGT 300: Organization and Management Leadership 3 C

MKT 452: Business-to-Business Marketing Strategy 3 C

Upper Division International Business Elective AND Global Awareness (G) 3 C

General Studies Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**




Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MKT 410: Sales and Sales Management 3 C

LES 305: Business Law and Ethics for Managers 3 C

WPC 300: Problem Solving and Actionable Analytics	3	C
General Studies Elective	3	
Elective	3	
Term hours subtotal:	15	

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend **W. P. Carey** and **ASU Career Fairs**
- Gather **professional references**
- Update your **resume**

Term 8 106.75 - 120.00 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MKT 484: Internship	3	C	<ul style="list-style-type: none"> <li>• MKT 484: Internship must be sales focused</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
 WPC 480: W. P. Carey Capstone Course (L)	3	C	
Upper Division Professional Sales Concentration Elective	3	C	
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
Elective	1		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division Professional Sales Concentration Electives - select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	MGT 430: Negotiations
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	MKT 435: Entrepreneurial Marketing
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MKT 442: Services Marketing Strategy
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 493: Honors Thesis (L)
Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	COM 281: Communication Activities	MAT 310: Introduction to Geometry
	COM 310: Relational Communication	MAT 342: Linear Algebra
	COM 312: Communication, Conflict, and Negotiation	MAT 370: Intermediate Calculus
	COM 317: Nonverbal Communication	MAT 371: Advanced Calculus I
		MAT 372: Advanced Calculus II
		MAT 410: Introduction to General Topology

COM 341: Social Contexts for Performance	MAT 415: Introduction to Combinatorics
COM 414: Crisis Communication	MAT 416: Introduction to Graph Theory
COM 430: Leadership in Group Communication	MAT 442: Advanced Linear Algebra
COM 453: Communication Training and Development	MAT 443: Introduction to Abstract Algebra
COM 465: Intercultural Communication Workshop	MAT 444: Intermediate Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 445: Theory of Numbers
ENG 213: Introduction to the Study of Language	MAT 460: Vector Calculus
ENG 310: Intermediate Creative Writing	MAT 461: Applied Complex Analysis
ENG 314: Modern Grammar	MAT 462: Applied Partial Differential Equations
ENG 345: Selected Authors or Issues	MAT 472: Intermediate Real Analysis I
FAS 301: Introduction to Parenting	MAT 475: Differential Equations
GCU 433: Geography of Southeast Asia	MAT 485: History of Mathematics
GRK 101: Elementary Ancient Greek	POR 101: Elementary Portuguese
GRK 201: Intermediate Ancient Greek	ROM 101: Elementary Romanian
HST 389: Japan Society and Values/Premod	ROM 201: Intermediate Romanian
IDN 101: Elementary Indonesian I	ROM 313: Romanian Composition and Conversation
IDN 102: Elementary Indonesian II	ROM 314: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	RUS 101: Elementary Russian I
JPN 414: Introduction to Classical Japanese	RUS 102: Elementary Russian II
KOR 101: First-Year Korean I	SHS 101: American Sign Language I
KOR 102: First-Year Korean II	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: <i>Áltimea, Rafa y Lala</i>

**Total Hours:** 120.00

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Supply Chain Management, BS




School/College: W. P. Carey School of Business






Location: Tempe campus


BASCMBBS

**FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>• Join a student <b>club or organization</b></li> <li>• Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Join the <b>W. P. Carey mentorship programs</b></li> <li>• Explore student <b>leadership opportunities</b> in <b>W. P. Carey</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC Career Preparation Course	0.25	C	
SOC OR PSY course (SB)	3		
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

ECN 221: Business Statistics (CS)	3	C
WPC Career Preparation Course	0.25	C
Natural Science - Quantitative (SQ)	4	
General Studies Elective	3	
❖ Complete ECN 211 OR ECN 212 with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16.25	

- delay in graduation. See your **academic advisor** for more information and options.
- Explore **career resources**.
  - Meet with your **W. P. Carey Career Coach**

Term 4 47.50 - 61.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ SCM 300: Global Supply Operations	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU</b> career fairs</li> <li>• Apply for <b>internships</b> or <b>create one</b></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
General Studies Elective	3		
Upper Division Elective	1		
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 61.50 - 76.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 315: Business Decision Models	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
★ SCM 345: Logistics Management	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
WPC Career Preparation Course	0.25	C	
Cultural Diversity in the U.S. (C)	3		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

Term 6 76.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 355: Supply Management (L)	3	C	<ul style="list-style-type: none"> <li>• Complete <b>informational interviews</b></li> <li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> <li>• Meet with your <b>academic advisor</b> to discuss your internship course options</li> </ul>
★ SCM 432: Planning and Control Systems for Supply Chain Management	3	C	
MGT 300: Organization and Management Leadership	3	C	
SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91.75 - 106.75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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★	Hours	Grade	Notes
★ SCM 455: Research and Negotiation	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> </ul>
★ SCM 479: Supply Chain Strategy (L)	3	C	
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Elective OR WPC 484: Internship	3		
Term hours subtotal:	15		

★ Term 8 106.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
WPC Career Preparation Course	0.25	C	
Upper Division Humanities, Arts and Design (HU)	3		
General Studies Elective	3		
Upper Division Elective	1		
Elective OR WPC 484: Internship	3		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course - select one course (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	ECN 306: Survey of International Economics (SB & G)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	MGT 302: Principles of International Business (G)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		MKT 425: Global Marketing Management (G)
		SCM 463: Global Supply Chain Management (G)
General Studies Electives	General Studies Electives Continued	
BIO 320: Fundamentals of Ecology	LAT 101: Elementary Latin	
CHI 205: Chinese Calligraphy	LAT 102: Elementary Latin	
COM 207: Introduction to Communication Inquiry	MAT 242: Elementary Linear Algebra	
COM 259: Communication in Business and the Professions	MAT 243: Discrete Mathematical Structures	
COM 281: Communication Activities	MAT 310: Introduction to Geometry	
	MAT 342: Linear Algebra	

COM 310: Relational Communication	MAT 370: Intermediate Calculus
COM 312: Communication, Conflict, and Negotiation	MAT 371: Advanced Calculus I
COM 317: Nonverbal Communication	MAT 372: Advanced Calculus II
COM 341: Social Contexts for Performance	MAT 410: Introduction to General Topology
COM 414: Crisis Communication	MAT 415: Introduction to Combinatorics
COM 430: Leadership in Group Communication	MAT 416: Introduction to Graph Theory
COM 453: Communication Training and Development	MAT 442: Advanced Linear Algebra
COM 465: Intercultural Communication Workshop	MAT 443: Introduction to Abstract Algebra
ENG 210: Introduction to Creative Writing	MAT 444: Intermediate Abstract Algebra
ENG 213: Introduction to the Study of Language	MAT 445: Theory of Numbers
ENG 310: Intermediate Creative Writing	MAT 460: Vector Calculus
ENG 314: Modern Grammar	MAT 461: Applied Complex Analysis
ENG 345: Selected Authors or Issues	MAT 462: Applied Partial Differential Equations
FAS 301: Introduction to Parenting	MAT 472: Intermediate Real Analysis I
GCU 433: Geography of Southeast Asia	MAT 475: Differential Equations
GRK 101: Elementary Ancient Greek	MAT 485: History of Mathematics
GRK 201: Intermediate Ancient Greek	POR 101: Elementary Portuguese I
HST 389: Japan Society and Values/Premod	ROM 101: Elementary Romanian
IDN 101: Elementary Indonesian I	ROM 201: Intermediate Romanian
IDN 102: Elementary Indonesian II	ROM 313: Romanian Composition and Conversation
JPN 206: Japanese Calligraphy	ROM 314: Romanian Composition and Conversation
JPN 414: Introduction to Classical Japanese	RUS 101: Elementary Russian I
KOR 101: First-Year Korean I	RUS 102: Elementary Russian II
KOR 102: First-Year Korean II	SHS 101: American Sign Language I
	SHS 102: American Sign Language II
	SHS 201: American Sign Language III
	SHS 202: American Sign Language IV
	SPA 101: Elementary Spanish I
	SPA 102: Elementary Spanish II
	SPA 111: Fundamentals of Spanish
	SPA 486: Chicano/a Novel: <i>Áltima</i> , Rafa y Lala

**Total Hours:** 120.00

**General University Requirements Legend**

**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Supply Chain Management, BS

School/College: [W. P. Carey School of Business](#)








Location:  
BASCMBBS





### and

### Sustainability, BA

[School of Sustainability](#)  
SUSUSTBA

In order to complete this concurrent degree in 4 years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-SOS: The ASU Experience OR WPC 101: Student Success in Business OR SOS 201: Introduction to ASU and Sustainability	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASU 101-SOS or WPC 101 meets this requirement.</li> <li>• SOS 201 required of all Sustainability transfer students</li> <li>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>. <b>CLEP</b> and <b>AP credit</b> are also viable options for fulfilling the second language requirement</li> <li>• A score of 4 or 5 on the AP Environmental Science exam fulfills the SOS 110 course requirement</li> </ul>
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
 MAT 210: Brief Calculus (MA)	3	C	
 SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	17		

Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or organization</li> <li>• Create your first college <b>resume</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
 SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

⚠ Minimum 2.50 GPA ASU Cumulative.

⚠ Minimum 3.00 GPA in SOS courses.

Term hours subtotal: 16

Summer 2 Session 1 33 - 40 Credit Hours	Hours	Minimum Grade	Notes
PSY 101: Introduction to Psychology (SB)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Summer 2 Session 2 40 - 43 Credit Hours	Hours	Minimum Grade	Notes
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	3		

Term 3 43 - 59 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 231: Uses of Accounting Information I	3	C	• Explore <a href="#">career resources</a>
⚠ ECN 221: Business Statistics (CS)	3	C	
SOS 220: Systems Thinking	3	C	
SOS 232: Professional Skills in Sustainability Practice	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
⚠ Complete ECN 211 AND ECN 212.			
⚠ Minimum 2.50 GPA ASU Cumulative.			
⚠ Minimum 3.00 GPA in SOS courses.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 59 - 76 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	• Select one of the following challenge area <a href="#">tracks</a> : Policy and Governance in Sustainable Systems (SOS 321), International Development and Sustainability (SOS 322), or Sustainable Urban Dynamics (SOS 323 OR SOS 465). • Students must complete the course that corresponds with the track they have chosen, as well as SOS 320 and any two additional track courses, for a total of 12 credit hours of track courses. • Students must complete six credit hours of <a href="#">challenge area/track electives</a> related to the track they select. • Meet with your Career Coaches.
⚠ SCM 300: Global Supply Operations	3	C	
Complete 2 courses: SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	6	C	
SOS 231: Careers in Sustainability	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
⚠ Complete SOS 220 course(s).			
⚠ Milestone: Select a Sustainability track			
⚠ Minimum 2.50 GPA ASU Cumulative.			
⚠ Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	16		

Term hours subtotal: 17

Summer 4 Session 1 76 - 83 Credit Hours	Hours	Minimum Grade	Notes
WPC 300: Problem Solving and Actionable Analytics	3	C	
Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Summer 4 Session 2 83 - 86 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		
Term hours subtotal:	3		

Term 5 86 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 315: Business Decision Models	3	C	<ul style="list-style-type: none"> <li>Attend Career Fairs</li> <li>Apply for internships or create one</li> <li>Complete informational interviews</li> </ul>
★ SCM 345: Logistics Management	3	C	
MGT 300: Organization and Management Leadership	3	C	
SOS 311: Future Thinking and Strategies	3	C	
SOS 320: Society and Sustainability (L or SB)	3	C	
Upper Division International Development and Sustainability Track - Required Course OR Upper Division Policy and Governance in Sustainable Systems Track - Required Course OR Upper Division Sustainable Urban Dynamics Track - Required Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	18		

Term 6 104 - 122 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 355: Supply Management (L)	3	C	
★ SCM 432: Planning and Control Systems for Supply Chain Management	3	C	
★ SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course	3	C	
★ International Development and Sustainability Track - Elective OR Policy and Governance in Sustainable Systems Track - Elective OR Sustainable Urban Dynamics Track - Elective	3	C	
FIN 300: Fundamentals of Finance	3	C	
SOS 310: Equity, Justice and Sustainability	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	18		

Term 7 122 - 138 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 479: Supply Chain Strategy (L)	3	C	
SCM 455: Research and Negotiation	3	C	
LES 305: Business Law and Ethics for Managers	3	C	



MKT 300: Marketing and Business Performance	3	C
SOS 484: Capstone: Internship	4	B-
★ Minimum 2.50 GPA ASU Cumulative.		
★ Minimum 3.00 GPA in SOS courses.		
Term hours subtotal:	16	

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480.

Term 8 138 - 153 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	• Apply for full-time career opportunities
SOS 498: Pro-Seminar (L)	3	B-	
Upper Division International Development and Sustainability Track - Elective OR Upper Division Policy and Governance in Sustainable Systems Track - Elective OR Upper Division Sustainable Urban Dynamics Track - Elective	3	C	
SOS Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) AND Historical Awareness (H)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	15		

- Tracks available for the concurrent degree in Supply Chain Management and the BA in Sustainability:
  - Policy and Governance in Sustainable Systems
  - International Development and Sustainability
  - Sustainable Urban Dynamics

Students may choose any of the upper-division challenge area/track courses, but **must** complete at least the course that corresponds with the track they have chosen (e.g., if the Policy and Governance in Sustainable Systems track is chosen, students should choose SOS 321 and three other challenge area/track courses).

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	International Development and Sustainability Track	Policy and Governance in Sustainable Systems Track
AGB 302: International Management and Agribusiness (G)	Required Course:	Required Course:
ECN 306: Survey of International Economics (SB & G)	SOS 322: International Development and Sustainability	SOS 321: Policy and Governance in Sustainable Systems
MGT 302: Principles of International Business (G)	Electives:	Electives:
MKT 425: Global Marketing Management (G)	AFR 340: The Making of Modern Africa (SB & G & H)	ABS 381: Natural Resources Policy
	ALT 412: Village Energy Systems	BIO 412: Conservation in Practice
	ASB 100: Introduction to Global Health (SB & G)	ECN 441: Public Economics (SB)
	FIS 337: Innovation and Global Development (G)	GCU 361: Urban Geography (SB)
		GPH 314: Global Change (HU & G)
		HST 345: Environmental History (L)

GCU 364: Energy in the Global Arena (SB & G)	PAF 300: Public Management and Administration
GPH 314: Global Change (HU & G)	PAF 340: Contemporary Policy Challenges
JUS 325: Globalization and Socio-Economic Justice (SB & G) or SGS 325: Globalization and Socio-Economic Justice (SB & G)	PHI 407: Environmental Philosophy and Policy (L or HU)
JUS 352: The Global Politics of Human Rights (SB & G)	POS 160: Global Politics (SB & G)
POS 160: Global Politics (SB & G)	POS 300: Contemporary Global Controversies (SB & G)
POS 368: Ethics and Human Rights	POS 346: Problems of Democracy (HU)
POS 486: International Political Economy (SB & G)	POS 351: Democratization (SB & G)
SBS 480: Global Justice (G)	POS 364: National Security, Intelligence, and Terrorism (SB)
SGS 301: Principles of Global Studies (G)	POS 368: Ethics and Human Rights
SGS 303: Global Trends (SB & G)	POS 410: Governing American Cities (SB)
SOC 333: Population (SB & G)	PUP 301: Introduction to Urban Planning (L)
STS 330: Information Technology and Globalization (SB & G)	PUP 430: Transportation Planning and the Environment
STS 332: Global Issues in Science and Technology (SB)	STS 325: Science, Technology, and Public Policy (SB)
TEM 450: Design for the Developing World	
TEM 455: Global Impact Entrepreneurship	
WST 378: Global Feminist Theory (L & G)	

#### Sustainable Urban Dynamics Track

##### Required Course:

SOS 323: Sustainable Urban Dynamics or  
SOS 465: Sustainable Urbanism

##### Electives:

ABS 260: Fundamentals of Sustainable  
Horticulture (SG)

ABS 364: Urban Forestry

ALA 100: Introduction to Environmental  
Design (HU & H & G)

ASB 442: Global Cities (SB & G) or SBS 460:  
Global Cities (SB & G)

CHE 469: Air Quality Engineering

GCU 359: Cities of the World I (SB & G & H)

GCU 361: Urban Geography (SB)

GCU 425: Geography of the Mexican  
American Borderland ((L or SB) & G)

GCU 442: Geographical Analysis of  
Transportation (SB)

POS 410: Governing American Cities (SB)

POS 464: Border Cities: Action Research on  
Globalization (SB & G)

PUP 200: Cities in Cinema (HU & H & G)

PUP 301: Introduction to Urban Planning (L)

PUP 430: Transportation Planning and the  
Environment

SBS 450: Migration & Culture (SB & G)

SOS 414: Urban and Environmental Health  
(SB) or ASM 414: Urban and Environmental  
Health (SB)

STS 325: Science, Technology, and Public  
Policy (SB)

URB 220: Introduction to Urban America

URB 240: Urban Policy (C)

URB 300: Urban and Metropolitan Studies

URB 302: Urban Theory

URB 305: Urban Governance

**Total Hours:** 153

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Supply Chain Management, BS



School/College: W. P. Carey School of Business




Location: Online



BASCMBBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement</li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		





Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Join a student club or organization</li> <li>• Create your first college resume</li> </ul>
SOC OR PSY course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		



Term 2 - A 16 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Attend W. P. Carey and ASU Career Fairs</li> <li>• Join the W. P. Carey mentorship programs</li> <li>• Research study abroad opportunities recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	9		




Term 2 - B 25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC Career Preparation Course	0.25		
SOC OR PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6.25		



Term 3 - A 31.25 - 38.50 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	



WPC Career Preparation Course	0.25
Natural Science - Quantitative (SQ)	4
Term hours subtotal:	7.25



Term 3 - B 38.50 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
 Complete ECN 211 AND ECN 212 courses			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 47.50 - 54.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		<ul style="list-style-type: none"> <li>Attend <b>W. P. Carey</b> and ASU career fairs</li> <li>Apply for <b>internships</b> or create one</li> </ul>

Term 4 - B 54.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 300: Global Supply Operations	3	C	
Complete 2 courses: General Studies Elective	6		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 5 - A 63.50 - 72.50 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 315: Business Decision Models	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>Meet with your <b>W. P. Carey Career Coach</b></li> </ul>

Term 5 - B 72.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 345: Logistics Management	3	C	
SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C	
WPC Career Preparation Course	0.25		
Term hours subtotal:	6.25		<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within <b>W. P. Carey</b> cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>

Term 6 - A 78.75 - 84.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 355: Supply Management (L)	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		<ul style="list-style-type: none"> <li>Complete <b>informational interviews</b></li> </ul>

Term 6 - B 84.75 - 93.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 432: Planning and Control Systems for Supply Chain Management	3	C	
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 93.75 - 101.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 455: Research and Negotiation	3	C	<ul style="list-style-type: none"> <li>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> </ul>
Upper Division Elective	2		
Elective OR WPC 484: Internship	3		
Term hours subtotal:	8		

Term 7 - B 101.75 - 107.75 Credit Hours	Hours	Minimum Grade	Notes
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 8 - A 107.75 - 113.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 479: Supply Chain Strategy (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
Elective OR WPC 484: Internship	3		
Term hours subtotal:	6		

Term 8 - B 113.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
General Studies Elective	3		
WPC Career Preparation Course	0.25		
Term hours subtotal:	6.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Upper Division International Business Course - select one (3 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	AGB 302: International Management and Agribusiness (G)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

WPC 448: Intensive Career Preparation or  
WPC 449: Campus to Career

ECN 306: Survey of International Economics  
(SB & G)

MGT 302: Principles of International Business  
(G)

MKT 425: Global Marketing Management (G)

#### General Studies Electives

BIO 320: Fundamentals of Ecology

COM 207: Introduction to Communication  
Inquiry

COM 259: Communication in Business and  
the Professions

COM 312: Communication, Conflict, and  
Negotiation

COM 414: Crisis Communication

COM 430: Leadership in Group  
Communication

COM 453: Communication Training and  
Development

ENG 210: Introduction to Creative Writing

ENG 310: Intermediate Creative Writing

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

**Total Hours:** 120.00

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Technological Entrepreneurship and Management, BS





School/College: [W. P. Carey School of Business](#) [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSTEM2BS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 TMC 110: Understanding the Enterprise	3	C	
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
TEM 100: Seminar in Entrepreneurship	1	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 200: My Technology Venture	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 230: Creativity and Business Innovation	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
ACC 231: Uses of Accounting Information I	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete MAT 210 course(s).			
 Complete TEM 100 course(s).			
Term hours subtotal:	16		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	

ACC 241: Uses of Accounting Information II	3	C
TEM 250: Design Methodology	3	C
Technical Elective	3	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Term hours subtotal:	15	

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

Term 5 61 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership	3	C
FIN 300: Fundamentals of Finance	3	C
FSE 301: Entrepreneurship and Value Creation	3	C
TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance	3	C
WPC 301: Business Forum	1	C
Upper Division Technical Elective	3	
Term hours subtotal:	16	

- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TMC 320: Funding the Enterprise	3	C
SCM 300: Global Supply Operations	3	C
TEM 431: Innovation Management OR TEM 330: Systems Innovation	3	C
TMC 410: Enterprise Operations	3	C
Literacy and Critical Inquiry (L)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Research and prepare for graduate school.
- Develop a professional profile online.

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TEM 400: Technology Entrepreneurship	3	C
AGB 302: International Management and Agribusiness (G) OR ECN 306: Survey of International Economics (SB & G) OR MGT 302: Principles of International Business (G) OR MKT 425: Global Marketing Management (G) OR OMT 440: Introduction to International Business (G) OR SCM 463: Global Supply Chain Management (G)	3	C
TMC 430: Enterprise Strategy and Innovation	3	C
Upper Division Technical Elective	3	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	15	

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in-person or practice interview.

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop	3	C
LES 305: Business Law and Ethics for Managers	3	C
MGT 430: Negotiations	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Elective	1	
Term hours subtotal:	13	

- Students in this program select technical electives consisting of 9 hours of courses (minimum 6 of upper division). Recommended technical elective prefixes are listed below. Additional courses may be available. Please check with your academic advisor.

Hide Course List(s)/Track Group(s)

Technical Electives
AME Elective
AMT Elective
BIO Elective
BME Elective
BMI Elective
CAP Elective
CIS Elective
CSE Elective
EEE Elective
EGR Elective
FSE Elective
GIT Elective
HSE Elective
IEE Elective
IFT Elective
MFG Elective
OMT Elective
PSY Elective
SER Elective
TEM Elective
TMC Elective
TWC Elective

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Technological Entrepreneurship and Management, BS

School/College: [W. P. Carey School of Business Ira A. Fulton Schools of Engineering](#)

Location: [Online](#)

TSTEM2BS

Term 1 - A 0 - 5 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU Mathematics Placement Assessment score determines placement in Mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
TEM 100: Seminar in Entrepreneurship	1	C	
Term hours subtotal:	5		
Term 1 - B 5 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TMC 110: Understanding the Enterprise	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Term hours subtotal:	9		
Term 2 - A 14 - 23 Credit Hours	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Sun Devil CareerLink</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
Term hours subtotal:	9		
Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 200: My Technology Venture	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 30 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 230: Creativity and Business Innovation	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
ACC 231: Uses of Accounting Information I	3	C	

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 9

- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 3 - B 39 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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ECN 212: Microeconomic Principles (SB)	3	C	
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
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 Complete MAT 210 course(s).

 Complete TEM 100 course(s).

Term hours subtotal: 7

Term 4 - A 46 - 55 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 ECN 221: Business Statistics (CS)	3	C	
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TEM 250: Design Methodology	3	C	
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Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
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Term hours subtotal: 9

- Pursue an [undergraduate research experience](#).
- Apply for [internships](#).
- Attend [career fairs and events](#).

Term 4 - B 55 - 61 Credit Hours	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II	3	C	
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Technical Elective	3		
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Term hours subtotal: 6

Term 5 - A 61 - 70 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance	3	C	
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FIN 300: Fundamentals of Finance	3	C	
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FSE 301: Entrepreneurship and Value Creation	3	C	
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Term hours subtotal: 9

- Plan for success using the [Junior Guide](#).
- Network at [student organization](#) competitions or professional societies.


Term 5 - B 70 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership	3	C	
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WPC 301: Business Forum	1	C	
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Upper Division Technical Elective	3		
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Term hours subtotal: 7

Term 6 - A 77 - 83 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TMC 320: Funding the Enterprise	3	C	
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Literacy and Critical Inquiry (L)	3		
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Term hours subtotal: 6

- Research and prepare for [graduate school](#)
- Develop a [professional profile online](#).

Term 6 - B 83 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TEM 431: Innovation Management OR TEM 330: Systems Innovation	3	C	
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SCM 300: Global Supply Operations	3	C
TMC 410: Enterprise Operations	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	9	

Term 7 - A 92 - 101 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 400: Technology Entrepreneurship	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in-person or <a href="#">practice interview</a>.</li> </ul>
TMC 430: Enterprise Strategy and Innovation	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	9		

Term 7 - B 101 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OMT 440: Introduction to International Business (G) OR ECN 306: Survey of International Economics (SB & G) OR MGT 302: Principles of International Business (G) OR MKT 425: Global Marketing Management (G) OR SCM 463: Global Supply Chain Management (G)	3	C	
Upper Division Technical Elective	3		
Term hours subtotal:	6		

Term 8 - A 107 - 113 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop	3	C	
MGT 430: Negotiations	3	C	
Term hours subtotal:	6		

Term 8 - B 113 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Literacy and Critical Inquiry (L) Elective	3		
Term hours subtotal:	7		

- Students in this program select technical electives consisting of 9 hours of courses (minimum 6 of upper division). Recommended technical elective prefixes are listed below. Additional courses may be available. Please check with your academic advisor.

Hide Course List(s)/Track Group(s)

Technical Electives
AME Elective
AMT Elective
BIO Elective
BME Elective
BMI Elective

CAP Elective

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CIS Elective

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CSE Elective

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EEE Elective

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EGR Elective

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GIT Elective

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HSE Elective

---

IEE Elective

---

IFT Elective

---

MFG Elective

---

OMT Elective

---

PSY Elective

---

SER Elective

---

TEM Elective

---

TMC Elective

---

TWC Elective

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map






### Architectural Studies, BSD






School/College: Herberger Institute for Design and the Arts





Location: Tempe campus

ARSTDBSD





Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 ALA 121: Design Fundamentals I	3	C	
 DSC 100: ASU Design Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	<ul style="list-style-type: none"> <li>• Architectural Studies majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone are required to meet with their academic advisor. For more information on the degree milestone application process, visit <a href="#">this website</a>.</li> </ul>
 ALA 122: Design Fundamentals II	3	C	
 ALA 124: Design Fundamentals II Lecture	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	16		




Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ALA 225: Design Fundamentals III	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
 ALA 235: Introduction to Computer Modeling (CS)	3	C	
APH 313: History of Architecture I ((L or HU) & G & H)	3	C	
PHY 101: Introduction to Physics (SQ)	4		
 Complete Mathematics (MA) requirement.			
 Milestone: Evaluation required. Complete First-Year Composition requirement.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ALA 226: Design Fundamentals IV	4	C	• Complete an in person or virtual <b>practice interview</b>
 ATE 242: Introduction to Architectural Technology	3	C	
APH 314: History of Architecture II ((L or HU) & G & H)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete PHY 101 course.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ADE 321: Architectural Studio I	5	C	• Develop your <b>skills</b>
 ATE 361: Architectural Technology I	3	C	
APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU & H)	3	C	
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ADE 322: Architectural Studio II	5	C	
 ATE 362: Architectural Technology II	3	C	
APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU)	3	C	
Elective	4		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 89 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ADE 421: Architectural Studio III	5	C	• Gather <b>professional references</b>
Complete 2 courses:			
Upper Division Design Professional Elective	6	C	
Elective OR ARP 484: Internship	3		
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ADE 422: Architectural Studio IV	5	C	
 ATE 452: Architectural Technology III	3	C	
Complete 2 courses:			
Elective	6		

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 14

Hide Course List(s)/Track Group(s)

Design Professional Elective

ADE OR ANP OR APH OR DSC OR GRA  
OR IND OR INT OR LAP OR LDE OR LPH  
OR LTC Upper Division Elective

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 3.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Art (Art Education), BFA





School/College: Herberger Institute for Design and the Arts


Location: Tempe campus

FAARTEBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ARA 101: The Art Experience is required of all freshman art majors only</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
<i>Complete 2 courses:</i>			
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Teachers College requirement: SPE 222 (SB) required for students pursuing K-12 certification.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARE 250: Teaching Inquiry in Art	3	B-	<ul style="list-style-type: none"> <li>• Minimum grade of B- or better in ARE 250 is required.</li> <li>• Teachers College requirement: GCU 113 (SB) recommended for students pursuing K-12 certification. However, it is optional in order to complete degree.</li> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 2D Art Course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) OR GCU 113: United States and Arizona Social Studies (SB & H)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ 2D or 3D Art Course	3	C
❖ 3D Art Course	3	C
Literacy and Critical Inquiry (L) AND Global Awareness (G)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Upper Division Elective	3	
❖ Complete Natural Science - Quantitative (SQ) OR Natural Science - General (SG) course(s). (Teachers College requirement)		
Milestone: Complete Art Education Proficiency Form with advisor and have art education faculty mentor approve proficiency coursework.		
Term hours subtotal:	16	

- Students must complete an Art Education Proficiency form and have an Art Education faculty member approve the proficiency coursework. Art Education Proficiency courses: ARA, ARE, ARS and ART prefixes; cannot be ARA 311, ARS 100, or ARS 300.
- Teachers College requirement: Apply for Identity Verified Print (IVP) **DPS fingerprint card**.
- Develop your **skills**
- Create a first draft **resume**

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 370: Teaching Visual Culture	3	C	<ul style="list-style-type: none"> <li>• Students must complete 6 hours of upper division ARS coursework (not from ARS 300). Must include one Asian/African/Native Am./Latin Am. Focus and one Modern Focus course.</li> <li>• Teachers College requirement: Complete the Intent to Progress form (meet with major advisor to complete this form).</li> <li>• Teachers College requirement: Submit copy of IVP DPS fingerprint clearance card to Teachers College or upload copy to Intent to Progress form.</li> <li>• Teachers College requirement: Attend Teachers College Enrollment Workshop if pursuing K-12 certification.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
ARE 446: Multicultural Issues in Art Education	3	C	
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
Complete 2 courses: Art Education Proficiency Course	6	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 482: Teaching Art Processes	3	C	<ul style="list-style-type: none"> <li>• Students must complete 6 hours of upper division ARS coursework (not from ARS 300). Must include one Asian/African/Native Am./Latin Am. Focus and one Modern course.</li> <li>• Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.</li> </ul>
Upper Division Art History Modern Focus	3	C	
Art Education Proficiency Course	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 486: Art Education: Strategies and Applications	3	C	<ul style="list-style-type: none"> <li>• Teachers College requirement: TEL 315 required for students pursuing K-12 certification.</li> <li>• Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining</li> </ul>
Complete 2 courses: Upper Division Art Education Proficiency Course	6	C	
Upper Division Literacy and Critical Inquiry (L) OR TEL 315: Child and Adolescent Development (L or SB)	3		
Upper Division Elective	3		

Term hours subtotal: 15

certification requirements and to properly plan their electives.

- Teachers College requirement: Students pursuing K-12 certification will take SED 398
- Gather professional references

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 496: Methods and Assessment of Learning in Art	3	C	<ul style="list-style-type: none"> <li>• Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.</li> <li>• Teachers College requirement: Students pursuing K-12 certification will take SED 496</li> <li>• Apply for full-time career opportunities</li> </ul>
Complete 2 courses:			
Upper Division Art Education Proficiency Course	6	C	
Upper Division Elective OR BLE 407: SEI for Secondary Students (L)	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing II	ART 231: Sculpture I	ART 211: Drawing II
ART 214: Life Drawing I	ART 261: Ceramic Survey	ART 214: Life Drawing I
ART 223: Painting I	ART 272: Introduction to Metals and Jewelry	ART 216: Intermedia Practices
ART 227: Watercolor I	ART 274: Wood I	ART 217: Introduction to Computer Animation
ART 253: Introduction to Printmaking	ART 276: Fibers I	ART 218: 3D Tools
FSH 203: Fashion Illustration	FSH 202: Fashion Construction	ART 223: Painting I
		ART 227: Watercolor I
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Fibers I
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus	Art Education Proficiency Courses (Requires approval; see Note in term 4)
	ARS 330: The Portrait (HU)	

ARS 362: Pre-Columbian Art I (HU)	ARS 340: Art in America (HU & H)	ARA Elective
ARS 369: Mexican Art (HU)	ARS 345: Art and Television	ARE Elective
ARS 394: Anime	ARS 435: The Pre-Raphaelites	ARS Elective
ARS 394: Egyptian Art and Culture	ARS 438: Art of the 20th Century I (HU & H)	ART Elective
ARS 394: Islamic Art	ARS 439: Art of the 20th Century II (HU & H)	
ARS 402: Art of Ancient Egypt (HU & H)	ARS 440: Identity and World Film (C)	
ARS 444: Films of India	ARS 442: Critical Issues in American Painting (HU)	
ARS 465: Native Art of North America (HU & C & H)	ARS 443: Artists in Film: Artists' Biopics	
ARS 472: Art of China (HU)	ARS 485: Women in the Visual Arts (L)	
ARS 473: Art of Japan (HU)		
ARS 475: Chinese Painting (HU)		
ARS 494: Art of the Inka and their Ancestors		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Art (Art History), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTHBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ARA 101: The Art Experience is required of all freshman art majors.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 30 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	C	<ul style="list-style-type: none"> <li>• ARS Elective cannot be ARS 100 or ARS 300.</li> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
ARS Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	



❗ Complete Mathematics (MA) requirement.

.....  
Complete First-Year Composition requirement.

.....  
Minimum 3.00 GPA ASU Cumulative.

.....  
Term hours subtotal: 13

Term 4 43 - 59 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	C	<ul style="list-style-type: none"><li>• Create a first draft <b>resume</b>.</li><li>• Explore an <b>internship</b>.</li></ul>
Second Language: Requirement satisfied through the following: ❗ * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	
ARA 240: Encounters with Contemporary Art	1	C	
Natural Science - Quantitative (SQ)	4		
Elective	4		
Term hours subtotal:	16		

Term 5 59 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Art History Asian/African/Native Am./Latin Am.	3	C	<ul style="list-style-type: none"><li>• Art Elective cannot be ARA 311.</li><li>• Use Handshake to research <b>employment opportunities</b>.</li></ul>
Upper Division Art History Renaissance/ Baroque Focus	3	C	
ARA OR ARE OR APH OR ART Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division Art History Ancient/Medieval Focus	3	C	<ul style="list-style-type: none"><li>• Art Elective cannot be ARA 311.</li></ul>
Upper Division Art History Modern Focus	3	C	
ARA OR ARE OR APH OR ART Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ARS 480: Research Methods (L)	3	C	<ul style="list-style-type: none"><li>• Art Elective cannot be ARA 311.</li><li>• ARS elective cannot be ARS 300.</li><li>• Gather <b>professional references</b>.</li></ul>
ARS Upper Division Elective	3	C	
ARA OR ARE OR APH OR ART Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ARS 498: Pro-Seminar (L)	3	C	<ul style="list-style-type: none"><li>• ARS elective cannot be ARS 300.</li></ul>
Upper Division ARS course (HU)	3	C	

ARS Upper Division Elective	3	C
<hr/>		
Complete 2 courses: Upper Division Elective	6	
<hr/>		
Term hours subtotal:	15	

- ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.
- Apply for full-time career opportunities.

Hide Course List(s)/Track Group(s)

Art History Ancient/Medieval Focus	Art History Modern Focus	Art History Renaissance/ Baroque Focus
ARS 394: Art and Myth of the Classical World	ARS 330: The Portrait (HU)	ARS 310: The Renaissance in Tuscany
ARS 394: Egyptian Art and Culture	ARS 340: Art in America (HU & H)	ARS 330: The Portrait (HU)
ARS 394: Greek Myth in Western Art	ARS 345: Art and Television	ARS 394: Art of Italian Renaissance
ARS 394: Islamic Art	ARS 435: The Pre-Raphaelites	ARS 394: Masterpieces Giotto to Rembrandt
ARS 402: Art of Ancient Egypt (HU & H)	ARS 438: Art of the 20th Century I (HU & H)	ARS 418: German Renaissance and Reformation Art (HU)
ARS 404: Greek Art (HU & H)	ARS 439: Art of the 20th Century II (HU & H)	ARS 422: Italian High Renaissance Art and Mannerism (HU)
ARS 406: Roman Art (HU & H)	ARS 440: Identity and World Film (C)	ARS 424: Italian Baroque Art (HU & H)
ARS 414: Monasteries, Madonnas and Manuscripts (HU & H)	ARS 442: Critical Issues in American Painting (HU)	ARS 498: Animals and Art Med Ren (L)
ARS 498: Animals and Art Med Ren (L), Gender Issues in Greek Art (L), Pompeii & Herculaneum (L), Tutankahmen & His Times (L)	ARS 443: Artists in Film: Artists' Biopics	
	ARS 485: Women in the Visual Arts (L)	
	ARS 498: Art & Technology (L), Art & the Cold War (L), Art and Money (L), Fakes and Forgeries in Art (L), Self, Trauma, and Affect in Art (L), Surrealism & Ethnography (L), Theories of Modern Sculpture (L), Visual Culture Studies (L)	
Art History Asian/African/Native Am./Latin Am. Focus		
ARS 362: Pre-Columbian Art I (HU)		
ARS 369: Mexican Art (HU)		
ARS 394: Anime		
ARS 394: Islamic Art		
ARS 444: Films of India		
ARS 465: Native Art of North America (HU & C & H)		
ARS 472: Art of China (HU)		
ARS 473: Art of Japan (HU)		
ARS 475: Chinese Painting (HU)		
ARS 494: Art of the Inka and their Ancestors		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map




### Art (Art History), BA



School/College: [Herberger Institute for Design and the Arts](#)

Location: [Online](#)

FAARTHBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students.</li> </ul>
ASU 101-HDA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	C	<ul style="list-style-type: none"> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> </ul>
Mathematics (MA)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	C	<ul style="list-style-type: none"> <li>• Think about joining a club or civic group in your area of career interest.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
ARS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	
Term hours subtotal:	7		

Term 3 - B 32 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	<ul style="list-style-type: none"> <li>Career steps: Shadow someone in the job/career you are considering.</li> </ul>
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		



Term 4 - A 39 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA OR ARE OR APH OR ART Elective	3	C	
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	
Term hours subtotal:	7		

Term 4 - B 46 - 53 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b></li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	7		

Term 5 - A 53 - 60 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 5 - B 60 - 66 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Art History Ancient/Medieval Focus	3	C	<ul style="list-style-type: none"> <li>Explore <b>internships</b> in your area</li> </ul>
ARA OR ARE OR APH OR ART Elective	3	C	
Term hours subtotal:	6		

Term 6 - A 66 - 72 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Art History Renaissance/Baroque Focus	3	C	
ARS Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 72 - 79 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Upper Division Art History Modern Focus	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b></li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	7		

Term 7 - A 79 - 85 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		
Term 7 - B 85 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA OR ARE OR APH OR ART Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 8 - B 97 - 103 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		
Term 9 - A 103 - 109 Credit Hours	Hours	Minimum Grade	Notes
Upper Division ARS course (HU)	3	C	• Gather professional references
Upper Division Elective	3		
Term hours subtotal:	6		
Term 9 - B 109 - 115 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS 480: Research Methods (L)	3	C	• Apply for full-time career opportunities
Elective	3		
Term hours subtotal:	6		
Term 10 - A 115 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS 498: Pro-Seminar (L)	3	C	• ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.
Elective	2		
Term hours subtotal:	5		

Hide Course List(s)/Track Group(s)

Art History Asian/African/Native Am./Latin Am. Focus	Art History Ancient/Medieval Focus	Art History Modern Focus
ARS 369: Mexican Art (HU)	ARS 394: Art and Myth of the Classical World	ARS 340: Art in America (HU & H)
ARS 394: Anime	ARS 394: Egyptian Art and Culture	ARS 345: Art and Television
ARS 394: Islamic Art	ARS 394: Islamic Art	ARS 435: The Pre-Raphaelites

ARS 472: Art of China (HU)

ARS 402: Art of Ancient Egypt (HU & H)

ARS 438: Art of the 20th Century I (HU & H)

ARS 498: Greek Sculpture: Geometric through Hellenistic (L)

ARS 440: Identity and World Film (C)

ARS 485: Women in the Visual Arts (L)

Art History Renaissance/ Baroque Focus

ARS 330: The Portrait (HU)

ARS 394: Art of Italian Renaissance

ARS 498: The Renaissance Book: Graphics (L)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Art (Art Studies), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTSTDBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ARA 101: The Art Experience is required of all freshman art majors only.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
<i>Complete 2 courses:</i>			
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 115: 3-D Design	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Students should complete either ART 113 or 116, not both.</li> <li>• ART 113 is a prerequisite to painting and watercolor classes.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 115: 3-D Design	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 2D Art Course	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 3D Art Course	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		
Term 4 47 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> 2D or 3D Art Course	6	C	



ARA 240: Encounters with Contemporary Art	1	C
Computer/Statistics/Quantitative Applications (CS)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	14	

- ARA 240: Encounters with Contemporary Art is required for Art majors; course is only offered in spring.
- Create a first draft **resume**
- Explore an **internship**

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARA OR ARE OR ARS OR ART OR FSH Elective	3	C
Upper Division Related Studies Elective	3	C
Performing Arts Elective	3	C
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C
ARS Upper Division Elective	3	C
Term hours subtotal:	15	

- Art Elective course cannot be ARA 311, ARS 100 or ARS 300.
- Work with academic advisor to develop performing arts and history of performance and related studies coursework plan.
- If interested in Animation, please refer to possible Animation related electives for art, performing arts, and art related coursework options.
- Use Handshake to research **employment opportunities**

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Performing Arts Elective	3	C
Upper Division Related Studies Elective	3	C
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C
Upper Division Elective OR ART 484: Internship Elective	3	
	2	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	14	

- Art Upper Division Elective course cannot be ARA 311 or ARS 300.
- If interested in Animation, please refer to possible Animation related electives for art, performing arts, and art related coursework options.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Related Studies Elective	3	C
Upper Division Performing Arts Elective	3	C
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C
Upper Division Literacy and Critical Inquiry (L) Elective	3	
	3	
Term hours subtotal:	15	

- Art Upper Division Elective course cannot be ARA 311 or ARS 300.
- If interested in Animation, please refer to possible Animation related electives for art, performing arts, and art related coursework options.
- Gather **professional references**

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C
Upper Division Performing Arts Elective	3	C
Complete 2 courses: Upper Division Elective	6	
Elective	3	
Term hours subtotal:	15	

- Art Upper Division Elective course cannot be ARA 311 or ARS 300.
- If interested in Animation, please refer to possible Animation related electives for art, performing arts, and art related coursework options.
- Apply for full-time **career opportunities**

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing II	ART 231: Sculpture I	ART 211: Drawing II
ART 214: Life Drawing I	ART 261: Ceramic Survey	ART 214: Life Drawing I
ART 223: Painting I	ART 272: Introduction to Metals and Jewelry	ART 216: Intermedia Practices
ART 227: Watercolor I	ART 274: Wood I	ART 217: Introduction to Computer Animation
ART 253: Introduction to Printmaking	ART 276: Fibers I	ART 218: 3D Tools
FSH 203: Fashion Illustration	FSH 202: Fashion Construction	ART 223: Painting I
		ART 227: Watercolor I
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Fibers I
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Performing Arts Electives	Upper Division Related Studies Electives	Suggested Animation and Related Courses
DCE Elective	Choose a course related to art outside of the School of Art from the subjects below:	ART 346: 3-D Computer Imaging and Animation (CS)
FMP Elective	AFR Upper Division Elective	ART 348: Animation Motion Studies
MHL Elective	AIS Upper Division Elective	ART 394: 2-D Computer Animation
MTC Elective	APA Upper Division Elective	ART 394: Illustration
MUE Elective	ASB Upper Division Elective	ART 428: Video and Sound as Sculptural Materials
MUP Elective	FMS Upper Division Elective	ART 438: Moving and Interactive Systems in Sculpture
MUS Elective	HST Upper Division Elective	ART 440: Experimental Video Art
THE Elective	REL Upper Division Elective	ART 494: Documentary Video Art
THF Elective	TCL Upper Division Elective	ART 494: Stop Motion Animation
THP Elective	WST Upper Division Elective	
	Upper Division Humanities, Arts and Design (HU)	

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Upper Division Literacy and Critical Inquiry  
(L)

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ART 494: Storyboarding and Narrative  
Sequence

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ART 494: Visual Prototyping

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DCE 240: Media for Dance (CS)

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FMP 225: Introduction to Visual Effects

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FMP 325: Guerilla VFX

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Art (Ceramics), BFA





School/College: Herberger Institute for Design and the Arts




Location: Tempe campus

FAARTCBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ARA 101: The Art Experience is required of all freshman art majors only.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 ART 112: 2-D Design	3	C	
 ART 115: 3-D Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 ART 111: Drawing I OR ART 113: Color OR ART 261: Ceramic Survey	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 111: Drawing I OR ART 113: Color OR ART 261: Ceramic Survey	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 2D Art Course	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 2D or 3D Art Course	3	C	
 3D Art Course	3	C	

ARA 240: Encounters with Contemporary Art	1	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Term hours subtotal:	14	

- ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in spring.
- Gather documentation of your past work for future portfolio.
- Explore **internships**.

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 360: Ceramic Throwing	3	C	<ul style="list-style-type: none"> <li>• Students must complete six hours of upper division ARS coursework (not from ARS 300); must include one Asian/African/Native Am./Latin Am. Focus course and one Modern or Contemporary Focus course.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
ART 364: Ceramic Handbuilding I	3	C	
Upper Division Art History Modern Focus	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 466: Special Problems in Ceramics	3	C	<ul style="list-style-type: none"> <li>• ART 460 is only offered during odd numbered Fall semesters; ART 463 is only offered during even numbered Spring semesters. Please meet with an academic advisor for scheduling information.</li> <li>• Art Elective course cannot be ARA 311, ARS 100 or ARS 300.</li> </ul>
ART 460: Ceramic Clay OR ART 463: Ceramic Glaze	3	C	
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
ARA OR ARE OR ARS OR ART OR FSH Elective	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.</li> <li>• Gather <b>professional references</b>.</li> </ul>
★ Complete 2 courses: Upper Division Ceramics Art Elective	6	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.</li> <li>• Complete ART 482 Senior Exhibitions/Portfolio and finalize your portfolio.</li> </ul>
Upper Division Ceramics Art Elective	3	C	
★ Complete 2 courses: ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	6	C	
Elective	2		
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing II	ART 231: Sculpture I	ART 211: Drawing II
ART 214: Life Drawing I	ART 272: Introduction to Metals and Jewelry	ART 214: Life Drawing I
ART 223: Painting I	ART 274: Wood I	ART 216: Intermedia Practices
ART 227: Watercolor I	ART 276: Fibers I	ART 217: Introduction to Computer Animation
ART 253: Introduction to Printmaking	FSH 202: Fashion Construction	ART 218: 3D Tools
FSH 203: Fashion Illustration		ART 223: Painting I
		ART 227: Watercolor I
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Fibers I
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Upper Division Ceramics Art Elective	Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus
ART 365: Ceramic Handbuilding II	ARS 362: Pre-Columbian Art I (HU)	ARS 330: The Portrait (HU)
ART 394: Altered Vessels , Ceramics , Clay on the Wall: Installing Ceramic Art , Slipcasting	ARS 369: Mexican Art (HU)	ARS 340: Art in America (HU & H)
ART 460: Ceramic Clay	ARS 394: Anime	ARS 345: Art and Television
ART 463: Ceramic Glaze	ARS 394: Egyptian Art and Culture	ARS 435: The Pre-Raphaelites
ART 466: Special Problems in Ceramics	ARS 394: Islamic Art	ARS 438: Art of the 20th Century I (HU & H)
ART 494: Advanced Slipcasting , Art and Science , Art on the Wall: Installing Ceramic Art , Ceramic Design , Ceramic Sculpture , Ceramic Tableware Design , China Painting	ARS 402: Art of Ancient Egypt (HU & H)	ARS 439: Art of the 20th Century II (HU & H)
	ARS 444: Films of India	ARS 440: Identity and World Film (C)
	ARS 465: Native Art of North America (HU & C & H)	ARS 442: Critical Issues in American Painting (HU)
	ARS 472: Art of China (HU)	ARS 443: Artists in Film: Artists' Biopics
	ARS 473: Art of Japan (HU)	ARS 485: Women in the Visual Arts (L)
	ARS 475: Chinese Painting (HU)	
	ARS 494: Art of the Inka and their Ancestors	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

### General University Requirements Legend

General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map



### Art (Digital Photography), BFA

School/College: [Herberger Institute for Design and the Arts](#)



Location: [Online](#)

HIARTDPBFA

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ART 206: Digital Photography I	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> </ul>
ASU 101-HDA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ART 207: Digital Photography II	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshman registration information <a href="#">here</a>.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 Complete ART 206 course(s).			
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li><b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> </ul>
Mathematics (MA)	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>Career planning tip: Think about joining a <b>club</b> or civic group in your area of career interest.</li> </ul>
ART 217: Introduction to Computer Animation	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours	Hours	Minimum Grade	Notes
ARS 250: History of Photography (HU)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		

Term 3 - B 31 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>Career steps: <b>Shadow</b> someone in the job/career you are considering.</li> </ul>



FMS 110: Introduction to New Media (HU) OR ART 116:  
Introduction to Digital Media 3 C

◆ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 6

Term 4 - A 37 - 43 Credit Hours	Hours	Minimum Grade	Notes
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ARA 309: Photography Now	3	C	
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Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
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Term hours subtotal: 6

Term 4 - B 43 - 50 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ)	4		
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Elective	3		
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◆ Complete ARS 101 AND ARS 102 course(s).

Term hours subtotal: 7

- Career tip: Gather documentation of your past work for a future portfolio. Explore **internship** opportunities in your area.

Term 5 - A 50 - 56 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Photography Elective	3	C	
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Social-Behavioral Sciences (SB)	3		
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Term hours subtotal: 6

Term 5 - B 56 - 62 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ART 317: Advanced Digital Photography	3	C	
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Elective	3		
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Term hours subtotal: 6

- Visit **Career Services** for career advising, webinars, career postings and a Career Guide.

Term 6 - A 62 - 69 Credit Hours	Hours	Minimum Grade	Notes
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Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
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Elective	3		
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Term hours subtotal: 7

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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Upper Division Photography Elective	3	C	
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Upper Division Related Area	3	C	
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★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Photography Elective	3	C	
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Upper Division Related Area	3	C	
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Term hours subtotal: 6

- Visit **Career Services** for career advising, webinars, career postings and a Career Guide.

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Photography Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Photography Elective	3	C	• Gather professional references.
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division ARS Modern Focus	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Photography Elective	3	C	• Begin planning for your Photography Capstone by talking with your faculty.
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Photography Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ART 407: Digital Photography Capstone	3	C	
Upper Division Related Area	3	C	
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Upper Division Photography Elective	Related Area Course	Upper Division ARS Modern Focus
ART 300: Photo Editing: Narrative/Non-Narrative	FMS 351: Emerging Digital Media	ARS 330: The Portrait (HU)
ART 302: The Still and Moving Image: Digital Photography and Video	MCO 425: Digital Media Literacy I	ARS 340: Art in America (HU & H)
ART 400: The Photobook	MCO 430: International Mass Communication (G)	ARS 345: Art and Television
	MCO 435: Social Media	ARS 394: Anime

ART 402: Traditional Genres in Photography

MCO 460: Race, Gender, and Media (C)

ARS 438: Art of the 20th Century I (HU & H)

ART 406: New Genres in Digital Photography

MCO 473: Sex, Love, and Romance in the  
Mass Media (SB)

ART 412: Advanced Techniques in Digital  
Photography

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Art (Drawing), BFA




School/College: Herberger Institute for Design and the Arts




Location: Tempe campus

FAARTDBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>ARA 101: The Art Experience is required of all freshman art majors only.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 ART 111: Drawing I	3	C	
 ART 112: 2-D Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 ART 113: Color OR ART 115: 3-D Design OR ART 211: Drawing II OR ART 214: Life Drawing I	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 ART 113: Color OR ART 115: 3-D Design OR ART 211: Drawing II OR ART 214: Life Drawing I	6	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 2D or 3D Art Course	3	C	<ul style="list-style-type: none"> <li>ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in spring.</li> </ul>
 3D Art Course	3	C	

ARA 240: Encounters with Contemporary Art	1	C
Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Term hours subtotal:	14	

- Faculty recommend Drawing students take ART 223 Painting I to fulfill 2D or 3D Art Course.
- Gather documentation of your past work for your future portfolio.
- Explore an **internship**

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 311: Drawing III	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>• ARS Upper Division Elective cannot be ARS 300.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
ART 314: Life Drawing II	3	C	
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 411: Drawing IV	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>• ARS Upper Division Elective cannot be ARS 300.</li> </ul>
Upper Division Art History Modern Focus	3	C	
Upper Division Drawing Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>• ARS Upper Division Elective cannot be ARS 300.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Complete 2 courses:	6	C	
Upper Division Drawing Elective			
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.</li> <li>• Complete ART 482 Senior Exhibitions/Portfolio and finalize your portfolio.</li> </ul>
Upper Division Drawing Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Complete 2 courses:	5		
Elective			
Term hours subtotal:	14		

- Students must complete 9 hours of ARS coursework (not from ARS 100 or ARS 300); these must include 6 upper division hours, one Asian/African/Native Am./Latin Am Focus course, and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th-century elective must be upper division and one must include an HU general studies designation.

Hide Course List(s)/Track Group(s)

3D Art Course	2D or 3D Art Course	Upper Division Drawing Elective
ART 216: Intermedia Practices	ART 201: Photography I (HU)	ART 323: Painting II
ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White	ART 325: Figure Painting
ART 218: 3D Tools	ART 205: Photography II: Color	ART 327: Watercolor II
ART 231: Sculpture I	ART 216: Intermedia Practices	ART 351: Intaglio I or ART 352: Lithography I or ART 459: Monoprinting
ART 261: Ceramic Survey	ART 217: Introduction to Computer Animation	ART 411: Drawing IV
ART 272: Introduction to Metals and Jewelry	ART 218: 3D Tools	ART 414: Life Drawing III
ART 274: Wood I	ART 223: Painting I	ART 427: Art on Paper
ART 276: Fibers I	ART 227: Watercolor I	ART 494: Special Topics
FSH 202: Fashion Construction	ART 231: Sculpture I	ART 498: BFA Studio Seminar (L)
	ART 253: Introduction to Printmaking	ART 499: Individualized Instruction
	ART 261: Ceramic Survey	
	ART 272: Introduction to Metals and Jewelry	
	ART 274: Wood I	
	ART 276: Fibers I	
	FSH 202: Fashion Construction	
	FSH 203: Fashion Illustration	
Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus	
ARS 362: Pre-Columbian Art I (HU)	ARS 330: The Portrait (HU)	
ARS 369: Mexican Art (HU)	ARS 340: Art in America (HU & H)	
ARS 394: Anime	ARS 345: Art and Television	
ARS 394: Egyptian Art and Culture	ARS 435: The Pre-Raphaelites	
ARS 394: Islamic Art	ARS 438: Art of the 20th Century I (HU & H)	
ARS 402: Art of Ancient Egypt (HU & H)	ARS 439: Art of the 20th Century II (HU & H)	
ARS 444: Films of India	ARS 440: Identity and World Film (C)	
ARS 465: Native Art of North America (HU & C & H)	ARS 442: Critical Issues in American Painting (HU)	
ARS 472: Art of China (HU)	ARS 443: Artists in Film: Artists' Biopics	
ARS 473: Art of Japan (HU)	ARS 485: Women in the Visual Arts (L)	
ARS 475: Chinese Painting (HU)		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Art (Fibers), BFA




School/College: Herberger Institute for Design and the Arts



Location: Tempe campus

FAARTFBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ARA 101: The Art Experience is required of freshmen art majors only.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 ART 112: 2-D Design	3	C	
 ART 115: 3-D Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> ART 111: Drawing I OR ART 113: Color OR ART 276: Fibers I	6	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 111: Drawing I OR ART 113: Color OR ART 276: Fibers I	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
2D Art Course	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 3D Art Course	3	C	<ul style="list-style-type: none"> <li>• ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in spring.</li> </ul>
ARA 240: Encounters with Contemporary Art	1	C	
ART 376: Weaving and Dyeing OR ART 377: Surface to Form	3	C	



Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3
Term hours subtotal:	14

- Gather documentation of your past works for your future portfolio.
- Explore an **internship**.

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 376: Weaving and Dyeing OR ART 377: Surface to Form	3	C	<ul style="list-style-type: none"> <li>• ARS Upper Division Elective cannot be ARS 300.</li> <li>• ART 376 only offered in the Fall semester.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
2D or 3D Art Course	3	C	
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> <li>• ARS Upper Division Elective cannot be ARS 300.</li> </ul>
Upper Division Fibers Elective	6	C	
Upper Division Art History Modern Focus	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> <li>• Gather <b>professional references</b>.</li> </ul>
<i>Complete 2 courses:</i>			
Upper Division Fibers Elective	6	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	2		
Term hours subtotal:	14		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Art Elective course cannot be ARA 311, ARS 100 or ARS 300.</li> <li>• Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio.</li> </ul>
Upper Division Fibers Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Elective	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

- Students must complete 6 hours of upper division ARS coursework (not from ARS 300); must include one Asian/African/Native Am./Latin Am. Focus course and one 20th Century Focus course.

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing II	ART 231: Sculpture I	ART 211: Drawing II
ART 214: Life Drawing I	ART 261: Ceramic Survey	ART 214: Life Drawing I
ART 223: Painting I	ART 272: Introduction to Metals and Jewelry	ART 216: Intermedia Practices
ART 227: Watercolor I	ART 274: Wood I	ART 217: Introduction to Computer Animation
ART 253: Introduction to Printmaking	FSH 202: Fashion Construction	ART 218: 3D Tools
FSH 203: Fashion Illustration		ART 223: Painting I
		ART 227: Watercolor I
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Upper Division Fibers Elective	Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus
ART 376: Weaving and Dyeing	ARS 362: Pre-Columbian Art I (HU)	ARS 330: The Portrait (HU)
ART 377: Surface to Form	ARS 369: Mexican Art (HU)	ARS 340: Art in America (HU & H)
ART 378: Digital Textiles	ARS 394: Anime	ARS 345: Art and Television
ART 476: Advanced Textile Construction	ARS 394: Egyptian Art and Culture	ARS 435: The Pre-Raphaelites
ART 477: Printed Textiles	ARS 394: Islamic Art	ARS 438: Art of the 20th Century I (HU & H)
ART 478: Advanced Surface to Form	ARS 402: Art of Ancient Egypt (HU & H)	ARS 439: Art of the 20th Century II (HU & H)
ART 479: 3-D Fibers: Construction and Content	ARS 444: Films of India	ARS 440: Identity and World Film (C)
ART 494: Special Topics	ARS 465: Native Art of North America (HU & C & H)	ARS 442: Critical Issues in American Painting (HU)
ART 499: Individualized Instruction	ARS 472: Art of China (HU)	ARS 443: Artists in Film: Artists' Biopics
	ARS 473: Art of Japan (HU)	ARS 485: Women in the Visual Arts (L)
	ARS 475: Chinese Painting (HU)	
	ARS 494: Art of the Inka and their Ancestors	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Art (Intermedia), BFA





School/College: Herberger Institute for Design and the Arts




Location: Tempe campus

FAARTIBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ARA 101: The Art Experience is required of all freshman art majors only.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ART 111: Drawing I	3	C	
 ART 116: Introduction to Digital Media	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• ART 216 recommended for Intermedia majors in term 2 and must be completed by term 3.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 ART 112: 2-D Design OR ART 115: 3-D Design OR ART 216: Intermedia Practices	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 112: 2-D Design OR ART 115: 3-D Design OR ART 216: Intermedia Practices	3	C	<ul style="list-style-type: none"> <li>• ART 216 recommended for Intermedia majors in term 2 and must be completed by term 3.</li> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 2D Art Course	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 64 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 2D or 3D Art Course	3	C	
 3D Art Course	3	C	

ARA 240: Encounters with Contemporary Art	1	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Elective	3	
Term hours subtotal:	17	

- ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in spring.
- Gather documentation of your past work for your future portfolio.
- Explore an **internship**.

Term 5 64 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARA 330: Issues in Intermedia	3	C
Upper Division Intermedia Elective	3	C
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	15	

- ARS Upper Division Elective cannot be ARS 300.
- Art Upper Division Elective course cannot be ARA 311 or ARS 300.
- Use Handshake to research **employment opportunities**.

Term 6 79 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ART 439: Intermedia Studio	3	C
★ ART 443: Intermedia Performance	3	C
ART 440: Experimental Video Art	3	C
Upper Division Art History Modern Focus	3	C
Elective	1	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	13	

- ART 439: Intermedia Studio is only offered in the spring semester.

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship	3	C
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C
Complete 2 courses: Upper Division Intermedia Elective	6	C
ARA OR ARE OR ARS OR ART OR FSH Elective	1	C
Elective	3	
Term hours subtotal:	16	

- ARS Upper Division Elective cannot be ARS 300.
- Art Upper Division Elective course cannot be ARA 311 or ARS 300.
- Gather **professional references**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ART 482: Senior Exhibitions/Portfolio	3	C
Upper Division Intermedia Elective	3	C
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C
Elective	3	
Term hours subtotal:	12	

- Complete ART 482: Senior Exhibitions/Portfolio and finalize portfolio.

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); these must include 6 upper division hours, one Asian/African/Native Am./Latin Am. Focus course, and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th Century Focus course and elective must be upper division and one must include an HU general studies designation.

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 217: Introduction to Computer Animation	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 218: 3D Tools	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 231: Sculpture I	ART 205: Photography II: Color
ART 211: Drawing II	ART 261: Ceramic Survey	ART 211: Drawing II
ART 214: Life Drawing I	ART 272: Introduction to Metals and Jewelry	ART 214: Life Drawing I
ART 223: Painting I	ART 274: Wood I	ART 217: Introduction to Computer Animation
ART 227: Watercolor I	ART 276: Fibers I	ART 218: 3D Tools
ART 253: Introduction to Printmaking	FSH 202: Fashion Construction	ART 223: Painting I
FSH 203: Fashion Illustration		ART 227: Watercolor I
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Fibers I
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Upper Division Intermedia Elective	Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus
ART 346: 3-D Computer Imaging and Animation (CS)	ARS 362: Survey of Aztec, Maya and Inka Art (HU)	ARS 330: The Portrait (HU)
ART 348: Animation Motion Studies	ARS 369: Mexican Art (HU)	ARS 340: Art in America (HU & H)
ART 378: Digital Textiles	ARS 394: Anime	ARS 345: Art and Television
ART 394: 2-D Computer Animation	ARS 394: Egyptian Art and Culture	ARS 435: The Pre-Raphaelites
ART 394: Illustration	ARS 394: Islamic Art	ARS 438: Art of the 20th Century I (HU & H)
ART 442: Art and Community	ARS 402: Art of Ancient Egypt (HU & H)	ARS 439: Art of the 20th Century II (HU & H)
ART 494: Art and Science	ARS 444: Films of India	ARS 440: Identity and World Film (C)
ART 494: Documentary Video Art	ARS 465: Native Art of North America (HU & C & H)	ARS 442: Critical Issues in American Painting (HU)
ART 494: Stop Motion Animation		

ART 494: Storyboarding and Narrative Sequence	ARS 472: Art of China (HU)	ARS 443: Artists in Film: Artists' Biopics
ART 494: Time, Narrative & the Multiple	ARS 473: Art of Japan (HU)	ARS 485: Women in the Visual Arts (L)
ART 494: Visual Prototyping	ARS 475: Chinese Painting (HU)	
ART 494: Women/Art/Technology	ARS 494: Art of the Inka and their Ancestors	
ART 499: Individualized Instruction		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Art (Museum Studies), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTMSBA



Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> All students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>	
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C		
ENG 101: First-Year Composition or ENG 102: First-Year  Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.	4	C		
Mathematics (MA)	3			
Social-Behavioral Sciences (SB)	3			
Minimum 3.00 GPA ASU Cumulative.				
Term hours subtotal:	17			
Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C		<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year  Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.	4	C		
Computer/Statistics/Quantitative Applications (CS)	3			
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Minimum 3.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 3 33 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.	4	C		
Natural Science - Quantitative (SQ)	4			
Elective	3			
 Complete Mathematics (MA) requirement.				








Complete First-Year Composition requirement.

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 14

Term 4 47 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following:  * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore an <b>internship</b>.</li> </ul>
ARA 240: Encounters with Contemporary Art	1	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	2		
Term hours subtotal:	14		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Art History (Ancient) OR Art History (Medieval)	3	C	<ul style="list-style-type: none"> <li>• Related Area Course: complete nine hours total, see list below. These courses provide a range of potentially useful information for museum studies majors. The School of Art recommends selecting at least six hours from upper-division options. All course substitutions must be approved by the School of Art.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Upper Division Art History Renaissance/Baroque Focus	3	C	
Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Introduction to Museums course	3	C	<ul style="list-style-type: none"> <li>• Museum Studies students should speak with the internship coordinator, Dr. Betsy Fahlman, regarding internship opportunities. Museum Studies majors complete a total of six hours of internship credit in Term 7 and 8.</li> </ul>
Upper Division Art History Modern Focus	3	C	
Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 480: Research Methods (L)	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>
ARA 460: Gallery Exhibitions OR ART 409: Photographic Exhibition	3	C	
ARS 484: Internship	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 484: Internship	3	C	
ARS 498: Pro-Seminar (L)	3	C	

Related Area Course	3	C
Upper Division Elective	3	
Elective	2	
Term hours subtotal:	14	

- ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.
- Apply for full-time career opportunities.

- Related Area Course: complete nine hours total, see list below. These courses provide a range of potentially useful information for museum studies majors. The School of Art recommends selecting at least six hours from upper-division options. All course substitutions must be approved by the School of Art.

Hide Course List(s)/Track Group(s)

Art History Ancient/Medieval Focus	Art History Modern Focus	Art History Renaissance/ Baroque Focus
ARS 394: Art and Myth of the Classical World	ARS 330: The Portrait (HU)	ARS 310: The Renaissance in Tuscany
ARS 394: Egyptian Art and Culture	ARS 340: Art in America (HU & H)	ARS 330: The Portrait (HU)
ARS 394: Greek Myth in Western Art	ARS 345: Art and Television	ARS 394: Art of Italian Renaissance
ARS 394: Islamic Art	ARS 435: The Pre-Raphaelites	ARS 394: Masterpieces Giotto to Rembrandt
ARS 402: Art of Ancient Egypt (HU & H)	ARS 438: Art of the 20th Century I (HU & H)	ARS 418: German Renaissance and Reformation Art (HU)
ARS 404: Greek Art (HU & H)	ARS 439: Art of the 20th Century II (HU & H)	ARS 422: Italian High Renaissance Art and Mannerism (HU)
ARS 406: Roman Art (HU & H)	ARS 440: Identity and World Film (C)	ARS 424: Italian Baroque Art (HU & H)
ARS 414: Monasteries, Madonnas and Manuscripts (HU & H)	ARS 442: Critical Issues in American Painting (HU)	ARS 498: Animals and Art Med Ren (L)
ARS 498: Animals and Art Med Ren (L), Gender Issues in Greek Art (L), Pompeii & Herculaneum (L), Tutankahmen & His Times (L)	ARS 443: Artists in Film: Artists' Biopics	
	ARS 485: Women in the Visual Arts (L)	
	ARS 498: Art & Technology (L), Art & the Cold War (L), Art and Money (L), Fakes and Forgeries in Art (L), Self, Trauma, and Affect in Art (L), Surrealism & Ethnography (L), Theories Modern Sculpture (L), Visual Culture Studies (L)	
Introduction to Museums	Related Area Courses	
ARA 394: Museum Educators	ACC 382: Accounting and Financial Analysis	
ARS 456: Introduction to Museums	ARA 396: Professional Practices for Design and the Arts	
	MKT 395: Essentials of Advertising and Marketing Communication	
	NLM 160: Voluntary Action and Community Leadership (SB)	
	NLM 220: Introduction to Nonprofit Organizations	
	NLM 300: Fund Raising and Resource Development	

NLM 310: Volunteer Management

NLM 430: Managing Nonprofit Organizations  
(L)

PAF 300: Public Management and  
Administration

PAF 340: Contemporary Policy Challenges

PAF 420: Public Leadership

PRM 120: Leisure and the Quality of Life  
(SB)

PRM 210: Leisure Delivery Systems

PRM 486: Special Events Management

TDM 205: Introduction to Travel and Tourism  
(G)

TDM 345: Meeting and Convention Planning

TDM 350: Tourism, Recreation and Sports  
Marketing

TDM 386: Convention Sales and Management

TDM 448: Heritage and Cultural Tourism

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Art (Painting), BFA





School/College: Herberger Institute for Design and the Arts




Location: Tempe campus

FAARTPABFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>ARA 101: The Art Experience is required of all freshman art majors only.</li> <li>Select your <b>career interest communities</b> and play <a href="mailto:me3@asu">me3@ASU</a></li> </ul>
 ART 111: Drawing I	3	C	
 ART 113: Color	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 112: 2-D Design OR ART 115: 3-D Design	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
 ART 223: Painting I	3	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 112: 2-D Design OR ART 115: 3-D Design	3	C	<ul style="list-style-type: none"> <li>Students can choose between ART 227 or ART 214. ART 214 is a prerequisite to ART 325: Figure Painting.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
 ART 227: Watercolor I OR ART 214: Life Drawing I	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			
Term hours subtotal:	15		

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 2D or 3D Art Course	3	C	<ul style="list-style-type: none"> <li>ART 214 or ART 227 is recommended for the 2D or 3D Art Course to meet the prerequisite</li> </ul>
 3D Art Course	3	C	

ARA 240: Encounters with Contemporary Art	1	C
Upper Division Art History Asian/African/Native Am./Latin Am. focus	3	C
Computer/Statistics/Quantitative Applications (CS)	3	
Elective	3	
Term hours subtotal:	16	

for those students wishing to take ART 325: Figure Painting or ART 327: Watercolor II in term 6.

- ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in spring.
- Gather documentation of your past work for your future portfolio
- Explore [internships](#)

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 323: Painting II	3	C	<ul style="list-style-type: none"> <li>• ARS Upper Division Elective cannot be ARS 300.</li> <li>• Art Upper Division Elective cannot be ARA 311.</li> <li>• ART 314 is recommended for the Upper Division Art Elective for those students wishing to take ART 425: Advanced Figure Painting in terms 6, 7 or 8.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> </ul>
Upper Division Art History Modern Focus	3	C	
Upper Division Painting Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 423: Painting III	3	C	<ul style="list-style-type: none"> <li>• ART or ARS Upper Division Elective cannot be ARA 311 or ARS 300.</li> </ul>
ART 327: Watercolor II OR ART 325: Figure Painting	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>• Gather <a href="#">professional references</a></li> </ul>
Complete 2 courses: Upper Division Painting Elective	6	C	
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Complete ART 482: Senior Exhibitions/Portfolio and finalize portfolio</li> </ul>
Upper Division Painting Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		

Term hours subtotal: 12

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course, and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th Century Focus course and elective must be upper division and one must include an HU general studies designation.

Hide Course List(s)/Track Group(s)

3D Art Course	2D or 3D Art Course	Painting Elective
ART 216: Intermedia Practices	ART 201: Photography I (HU)	ART 325: Figure Painting
ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White	ART 327: Watercolor II
ART 218: 3D Tools	ART 205: Photography II: Color	ART 354: Screen Printing I or ART 459: Monoprinting
ART 231: Sculpture I	ART 211: Drawing II	ART 423: Painting III
ART 261: Ceramic Survey	ART 214: Life Drawing I	ART 425: Advanced Figure Painting
ART 272: Introduction to Metals and Jewelry	ART 216: Intermedia Practices	ART 427: Art on Paper
ART 274: Wood I	ART 217: Introduction to Computer Animation	ART 494: China Painting
ART 276: Fibers I	ART 218: 3D Tools	ART 494: Color and Sustainable Practice
FSH 202: Fashion Construction	ART 227: Watercolor I	ART 498: BFA Studio Seminar (L)
	ART 231: Sculpture I	ART 499: Individualized Instruction
	ART 253: Introduction to Printmaking	
	ART 261: Ceramic Survey	
	ART 272: Introduction to Metals and Jewelry	
	ART 274: Wood I	
	ART 276: Fibers I	
	FSH 202: Fashion Construction	
	FSH 203: Fashion Illustration	
Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus	
ARS 362: Survey of Aztec, Maya and Inka Art (HU)	ARS 330: The Portrait (HU)	
ARS 369: Mexican Art (HU)	ARS 340: Art in America (HU & H)	
ARS 394: Anime	ARS 345: Art and Television	
ARS 394: Egyptian Art and Culture	ARS 435: The Pre-Raphaelites	
ARS 394: Islamic Art	ARS 438: Art of the 20th Century I (HU & H)	
ARS 402: Art of Ancient Egypt (HU & H)	ARS 439: Art of the 20th Century II (HU & H)	
ARS 444: Films of India	ARS 440: Identity and World Film (C)	

ARS 465: Native Art of North America (HU  
& C & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

ARS 494: Art of the Inka and their Ancestors

ARS 442: Critical Issues in American Painting  
(HU)

ARS 443: Artists in Film: Artists' Biopics

ARS 485: Women in the Visual Arts (L)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition















General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Art (Photography), BFA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTPHBFA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ARA 101: The Art Experience is required of all freshman art majors only.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	
 ART 204: Photography II: Black and White OR ART 205: Photography II: Color	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Students are required to submit a Photography portfolio and application to be fully admitted into the Photography degree.</li> </ul>
 ART 204: Photography II: Black and White OR ART 205: Photography II: Color	3	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 202: Understanding Photographs	3	C	<ul style="list-style-type: none"> <li>• ARA 202 is only offered in the fall semester.</li> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	
 ART 115: 3-D Design	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 47 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes



◆ ARA 240: Encounters with Contemporary Art	1	C
ARS 250: History of Photography (HU)	3	C
3D Art Course	3	C
Computer/Statistics/Quantitative Applications (CS)	3	
Literacy and Critical Inquiry (L)	3	
Elective	3	
Term hours subtotal:	16	

- Gather documentation of your past work for your professional portfolio.
- Explore **internships**.

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Photography Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

- Art Upper Division Elective cannot be ARA 311 or ARS 300.
- Use Handshake to research **employment opportunities**.

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Complete 2 courses: Upper Division Photography Elective	6	C	
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

- Art Upper Division Elective cannot be ARA 311 or ARS 300.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship	3	C	
Upper Division Photography Elective	3	C	
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

- ARS Upper Division Elective cannot be ARS 300.
- Art Upper Division Elective cannot be ARA 311 or ARS 300.
- Gather **professional references**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	
Complete 2 courses: Upper Division Photography Elective	6	C	
ARS Upper Division Elective	3	C	
Term hours subtotal:	12		

- ARS Upper Division Elective cannot be ARS 300.
- Art Elective cannot be ARA 311, ARS 100 or ARS 300.
- Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio.

- Students must complete 12 hours of ARS coursework (not from ARS 100 or 300); must include ARS 250, nine upper-division hours, and one Asian/African/Native Am./Latin Am. Focus course.

Hide Course List(s)/Track Group(s)

3D Art Course	Photography Elective	Art History Asian/African/Native Am./Latin Am. Focus
ART 216: Intermedia Practices	ARA 498: Photography and Language (L)	
ART 217: Introduction to Computer Animation	ART 301: Alternative Processes I	ARS 362: Survey of Aztec, Maya and Inka Art (HU)
ART 218: 3D Tools	ART 304: Junior Photographic Projects	ARS 369: Mexican Art (HU)
ART 231: Sculpture I	ART 307: View Camera	ARS 394: Anime
ART 261: Ceramic Survey	ART 394: Advanced Black and White	ARS 394: Egyptian Art and Culture
ART 272: Introduction to Metals and Jewelry	ART 403: Senior Photographic Projects	ARS 394: Islamic Art
ART 274: Wood I	ART 404: Portraiture Photography	ARS 402: Art of Ancient Egypt (HU & H)
ART 276: Fibers I	ART 408: Experimental Film	ARS 444: Films of India
FSH 202: Fashion Construction	ART 409: Photographic Exhibition	ARS 465: Native Art of North America (HU & C & H)
	ART 410: Landscape Photography	ARS 472: Art of China (HU)
	ART 415: Digital Compositing	ARS 473: Art of Japan (HU)
	ART 418: Alternative Processes II	ARS 475: Chinese Painting (HU)
	ART 467: Art and Ecology	ARS 494: Art of the Inka and their Ancestors
	ART 494: Advanced Photolithography , Digital Cameras & Photo Editing , Digital Printing , Documentary Photography , Photo Fieldwork , Photogravure , Photolithography Prints , The Photobook	
	ART 498: BFA Studio Seminar (L)	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.














## 2019 - 2020 Major Map

### Art (Printmaking), BFA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTPMBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ARA 101: The Art Experience is required of all freshman art majors only.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 115: 3-D Design	3	C	
 ART 113: Color	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 115: 3-D Design	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 ART 253: Introduction to Printmaking	3	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 115: 3-D Design	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 2D Art Course	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		
Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

◆ 2D or 3D Art Course	3	C
◆ 3D Art Course	3	C
ARA 240: Encounters with Contemporary Art	1	C
Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Elective	2	
Term hours subtotal:	16	

- Gather information of your past work for your future portfolio.
- Explore **internships**.

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 351: Intaglio I	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ ART 354: Screen Printing I	3	C	
Upper Division Art History Asian/ African/ Native Am./ Latin Am. Focus	3	C	
ARA OR ARE OR ARS OR ART OR FSH Lower Division Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 352: Lithography I	3	C	<ul style="list-style-type: none"> <li>• ARS Upper Division Elective cannot be ARS 300.</li> <li>• Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>• ART 354 must be completed by term 6.</li> </ul>
Upper Division Printmaking Elective	3	C	
Upper Division ARS course (HU)	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Complete 2 courses:	6	C	
Upper Division Printmaking Elective	3	C	
ARS Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Art Elective courses cannot be ARA 311, ARS 100 or ARS 300.</li> <li>• Complete ART 482: Senior Exhibitions/Portfolio and finalize portfolio.</li> </ul>
Upper Division Printmaking Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	12		

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course, and 2 upper division ARS electives. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, both ARS electives must be upper division and one must include an HU general studies designation.

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing II	ART 231: Sculpture I	ART 211: Drawing II
ART 214: Life Drawing I	ART 261: Ceramic Survey	ART 214: Life Drawing I
ART 223: Painting I	ART 272: Introduction to Metals and Jewelry	ART 216: Intermedia Practices
ART 227: Watercolor I	ART 274: Wood I	ART 217: Introduction to Computer Animation
FSH 203: Fashion Illustration	ART 276: Fibers I	ART 218: 3D Tools
	FSH 202: Fashion Construction	ART 223: Painting I
		ART 227: Watercolor I
		ART 231: Sculpture I
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Fibers I
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Art History Asian/African/Native Am./Latin Am. Focus	Printmaking Elective	
ARS 362: Survey of Aztec, Maya and Inka Art (HU)	ART 394: Special Topics	
ARS 369: Mexican Art (HU)	ART 445: Digital Processes for Printmaking	
ARS 394: Anime	ART 451: Advanced Intaglio	
ARS 394: Egyptian Art and Culture	ART 452: Advanced Lithography	
ARS 394: Islamic Art	ART 453: Experimental Printmaking: Expanding the Matrix	
ARS 402: Art of Ancient Egypt (HU & H)	ART 454: Advanced Screen Printing	
ARS 444: Films of India	ART 455: Artists' Books	
ARS 465: Native Art of North America (HU & C & H)	ART 456: Letterpress Studio	
	ART 458: Paper Studio	

ARS 472: Art of China (HU)	ART 459: Monoprinting
ARS 473: Art of Japan (HU)	ART 494: Special Topics: *Printmaking (Any ART 494 course with Printmaking in the title)
ARS 475: Chinese Painting (HU)	ART 494: Photolithography Prints
ARS 494: Art of the Inka and their Ancestors	ART 499: Individualized Instruction

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Art (Sculpture), BFA




School/College: Herberger Institute for Design and the Arts


Location: Tempe campus

FAARTSBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ARA 101: The Art Experience is required of freshman art majors only.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ART 111: Drawing I OR ART 112: 2-D Design	3	C	
 ART 115: 3-D Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 231: Sculpture I OR ART 272: Introduction to Metals and Jewelry or ART 274: Wood I	3	C	<ul style="list-style-type: none"> <li>• Students should complete either ART 113 or 116, not both. ART 116 is recommended for Sculpture majors over ART 113.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 231: Sculpture I OR ART 272: Introduction to Metals and Jewelry or ART 274: Wood I	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete ART 231 AND ART 272 or ART 274 course(s).			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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◆ 2D Art Course	3	C
◆ 2D or 3D Art Course	3	C
ARA 240: Encounters with Contemporary Art	1	C
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Term hours subtotal:	14	

- ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in spring.
- Gather documentation of past works for your future portfolio.
- Explore an **internship**.

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ART 331: Sculpture II	3	C
Upper Division Sculpture Elective	3	C
Upper Division ARS Elective AND Upper Division Humanities, Arts and Design (HU)	3	C
ARA OR ARE OR ARS OR ART OR FSH Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	15	

- Students must complete six hours of upper-division ARS coursework (not from ARS 300). One course must have the HU designation.
- Art Elective course cannot be ARA 311, ARS 100 or ARS 300.
- Students may use their Upper Division Sculpture Electives to concentrate on Metals or Wood. Recommend ART 372 for Metals emphasis or ART 374 for Woods emphasis.
- Faculty recommend at least one of the following art history courses: ARS 438 or ARS 439.
- Use Handshake to research **employment opportunities**.

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ART 430: Advanced Sculpture: Materials and Techniques OR ART 434: Advanced Sculpture: Context and Content	3	C
Upper Division Sculpture Elective	3	C
ARS Upper Division Elective	3	C
Complete 2 courses: Elective	6	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Students must complete six hours of upper-division ARS coursework (not from ARS 300).
- Upper Division Sculpture Elective: Recommend ART 373 for Metals emphasis or ART 474 for Woods emphasis.

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship	3	C
★ ART 430: Advanced Sculpture: Materials and Techniques OR ART 434: Advanced Sculpture: Context and Content	3	C
Upper Division Sculpture Elective	3	C
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C
Elective	2	
Term hours subtotal:	14	

- Art Upper Division Elective courses cannot be ARA 311 or ARS 300.
- Upper Division Sculpture Elective: Recommend ART 472 for Metals emphasis.
- Gather **professional references**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ART 482: Senior Exhibitions/Portfolio	3	C
Upper Division Sculpture Elective	3	C
Complete 2 courses:		
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	6	C
Elective	3	
Term hours subtotal:	15	

- Art Upper Division Elective courses cannot be ARA 311 or ARS 300.
- Upper Division Sculpture Elective: Recommend ART 473 for Metals emphasis.
- Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio.

Hide Course List(s)/Track Group(s)

2D Art Course	2D or 3D Art Course	Upper Division Sculpture Elective
ART 201: Photography I (HU)	ART 201: Photography I (HU)	ART 333: Foundry Casting Methods
ART 204: Photography II: Black and White	ART 204: Photography II: Black and White	ART 372: Casting and Jewelry Techniques
ART 205: Photography II: Color	ART 205: Photography II: Color	ART 373: Form Emphasis in Metals
ART 211: Drawing II	ART 211: Drawing II	ART 374: Wood II
ART 214: Life Drawing I	ART 214: Life Drawing I	ART 432: Neon Sculpture
ART 223: Painting I	ART 216: Intermedia Practices	ART 433: Foundry Casting Methods
ART 227: Watercolor I	ART 217: Introduction to Computer Animation	ART 435: Foundry Research Methods
ART 253: Introduction to Printmaking	ART 218: 3D Tools	ART 436: Architectural Sculpture
FSH 203: Fashion Illustration	ART 223: Painting I	ART 438: Moving and Interactive Systems in Sculpture
	ART 227: Watercolor I	ART 472: Advanced Jewelry and Surface Techniques
	ART 253: Introduction to Printmaking	ART 473: Advanced Metals and Mechanisms
	ART 261: Ceramic Survey	ART 474: Advanced Wood
	ART 272: Introduction to Metals and Jewelry	ART 494: Illumination Systems
	ART 274: Wood I	ART 494: Metalworking
	ART 276: Fibers I	ART 494: Stop Motion Animation
	FSH 202: Fashion Construction	
	FSH 203: Fashion Illustration	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Arts (BA in the Arts), BA



School/College: Herberger Institute for Design and the Arts


Location: Tempe campus


FAATSBA



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HDA 101: ASU & Herberger Institute Experience	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• HDA 101: The Herberger Institute Experience is for freshman BA in the Arts majors only.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HDA 210: Creativity and Innovation in Design and the Arts	3	C	
Arts Discipline and Practice Course	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		





Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• By the end of the semester, students will select 1 of 3 possible focus areas: Arts Administration, Entertainment Design, or an Individual Focus. Students interested in pursuing an Individual Focus should contact their academic advisor for assistance with submitting their proposal for approval.</li> </ul>
Arts Discipline and Practice Course	3	C	
Historical and Theoretical Arts Studies	3	C	
Computer/Statistics/Quantitative Applications (CS)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		



Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
DSC 101: Design Awareness (HU & G) OR GRA 101: Designing Life	3	C	
Focus Area Course	3	C	
Historical and Theoretical Arts Studies with African / Asian / Latin American / Native American Focus AND Humanities, Arts and Design (HU)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		



Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HDA 252: Foundations Arts and Design Entrepreneurship	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> </ul>
Arts Discipline and Practice Course	3	C	
Focus Area Course	3	C	

Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
 Complete Computer/Statistics/Quantitative Applications (CS) course(s).	
Term hours subtotal:	16

Term 5 63 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Focus Area Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>; after finding an internship, complete the <b>Internship Application</b> form request to receive course credit.</li> </ul>
ACC 382: Accounting and Financial Analysis OR BUA 381: Small Business Accounting and Finance OR ECN 382: Managerial Economics OR FIN 380: Personal Financial Management	3	C	
Upper Division Arts Discipline and Practice Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HDA 310: Socially Engaged Practice	3	C	<ul style="list-style-type: none"> <li>Students are responsible for securing their own internship experience. Students must receive approval prior to working at the internship in order for the experience to apply as course credit.</li> <li>Gather professional references and format the information as an <b>addendum to your resume</b>.</li> </ul>
 HDA 397: Capstone Development	1	C	
ARA 489: Writing Art and Design Criticism OR ARS 345: Art and Television OR ART 110: Drawing as Seeing and Thinking (HU) OR FMP 403: Independent Film (HU) OR FMP 405: Film Genres, Part 2 (HU) OR MUS 213: Critical Thinking in the Arts (HU) OR THE 421: Shakespeare: Stage and Film (L or HU)	3	C	
HDA 484: Internship	3	C	
Upper Division Focus Area Course	3	C	
Elective	2		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Capstone: Thesis or Independent Research Project	3	C	<ul style="list-style-type: none"> <li>For the Upper Division Capstone, please consult with faculty mentor and academic advisor for appropriate course options.</li> <li>Develop a website / portfolio to aid in applying for full-time careers.</li> </ul>
Upper Division Focus Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Capstone: Thesis or Independent Research Project	3	C	<ul style="list-style-type: none"> <li>For the Upper Division Capstone, please consult with faculty mentor and academic advisor for appropriate course options.</li> </ul>
Upper Division Focus Area Course	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	12		

- Students will select 1 of 3 possible focus area tracks: Arts Administration, Entertainment Design, or an Individual Focus. Students interested in pursuing an Individual Focus should contact their academic advisor for assistance with submitting their proposal for approval.

Hide Course List(s)/Track Group(s)

Arts Discipline and Practice: Select 4 courses; 12 credits (at least 3 upper division)	Historical and Theoretical Arts Studies with African / Asian / Latin American / Native American Focus AND Humanities, Arts and Design (HU): Select 1 course; 3 credits	Historical and Theoretical Arts Studies: Select 1 course; 3 credits
ALA OR AME OR ARA OR ART OR DCE OR DSC OR EDS OR FMP OR FSH OR GRA OR IND OR INT OR MUP OR MUS OR THE OR THF OR THP Elective	ALA 100: Introduction to Environmental Design (HU & H & G)	APH OR ARS OR LPH OR MHL Elective
	ALA 102: Landscapes and Sustainability (HU & G)	ALA 100: Introduction to Environmental Design (HU & H & G)
	APH 300: World Architecture I/Western Cultures (HU & H & G)	ALA 102: Landscapes and Sustainability (HU & G)
	APH 313: History of Architecture I ((L or HU) & G & H)	AME 310: Media Literacies and Composition
	APH 314: History of Architecture II ((L or HU) & G & H)	ARA 202: Understanding Photographs
	ARS 201: Art of Asia (HU & H & G)	ARA 394: Museum Educators
	ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	ARA 498: Photography and Language (L)
	ARS 362: Survey of Aztec, Maya and Inka Art (HU)	DCE 201: Dance, Culture, and Global Contexts (HU)
	ARS 369: Mexican Art (HU)	DCE 202: Dance in U.S. Popular Culture (HU & C)
	ARS 465: Native Art of North America (HU & C & H)	DCE 300: Moving Histories (HU)
	ARS 472: Art of China (HU)	DCE 301: Meaning in Motion (L or HU)
	ARS 473: Art of Japan (HU)	DCE 402: Ethnography of Dance Practices (L)
	ARS 475: Chinese Painting (HU)	DSC 101: Design Awareness (HU & G)
	DCE 201: Dance, Culture, and Global Contexts (HU)	FMP 250: Sex and Violence in Film and TV: Ethics Survey
	DSC 101: Design Awareness (HU & G)	GRA 111: Graphic Design History I (HU)
	MHL 344: Music in World Cultures (HU & G)	GRA 112: Graphic Design History II
	THE 422: Latina and Latino Theatre and Film (HU & C)	IND 316: 20th-Century Design I (HU & H)
		IND 317: 20th-Century Design II (HU & H)
		INT 111: Interior Design Issues and Theories (HU)
		INT 310: History of Interior Design I (HU & H)
		INT 311: History of Interior Design II (HU & H)
		MUS 131: Bach to Bebop
		MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H)

MUS 347: Jazz in America (HU & C)

MUS 354: Classic Rock: 1950-1975 (HU)

MUS 355: American Music (HU & C & H)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

MUS 371: World Music (HU & G)

MUS 410: History of Women in Music (HU & C & H)

THE 322: Theatre History and Culture (HU & H)

THE 422: Latina and Latino Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

THE 430: History of Fashion I (HU)

THE 431: History of Fashion II: 20th-Century Fashion

Arts Administration Track (0 or 18 credits)

HDA 420: Design and the Arts Business Administration AND THP 351: Arts Management AND MGT 380: Management and Strategy for Nonmajors AND MKT 390: Essentials of Marketing or MKT 395: Essentials of Advertising and Marketing Communication AND Pick any two (6 more credits):

ACC OR ECN OR ENT OR FIN OR MGT OR MKT OR NLM OR OGL Elective

ARA 394: Museum Educators

ARA 396: Professional Practices for Design and the Arts

ARA 460: Gallery Exhibitions

DSC 394: Design Entrepreneurship & Society

DSC 494: Practice Management

ENT 290: Entrepreneurship: Opportunity to Impact

FMP 494: Business of Media Industries

GRA 440: Finding Purpose

MGT 400: Cross-Cultural Management (C & G)

Entertainment Design Track (0 or 18 credits)

HDA 420: Design and the Arts Business Administration AND Pick five courses (15 credits; 9 must be upper-division)

AME 111: Introduction to Digital Culture (CS)

AME 112: Computational Thinking for Digital Culture

AME 130: Prototyping Dreams (L)

AME 230: Programming for the Media Arts (CS)

AME 320: Motion Capture for Integrative Systems

AME 340: Compositional and Computational Principles for Media Arts

AME 411: Advanced Interactive Sound

AME 470: Programming for Social and Interactive Media

ARA 460: Gallery Exhibitions

ART 110: Drawing as Seeing and Thinking (HU)

ART 116: Introduction to Digital Media

Individual Focus Track (0 or 18 Credits)

Focus area courses as approved through submission of proposal

MUP 438: The Enterprising Musician	ART 201: Photography I (HU)
MUP 439: Music Product Creation and Development	ART 217: Introduction to Computer Animation
NLM 220: Introduction to Nonprofit Organizations	ART 261: Ceramic Survey
NLM 235: Leadership and Ethics	ART 274: Wood I
NLM 300: Fund Raising and Resource Development	ART 346: 3-D Computer Imaging and Animation (CS)
NLM 310: Volunteer Management	ART 348: Animation Motion Studies
NLM 430: Managing Nonprofit Organizations (L)	DCE 100: Introduction to Dance (HU)
NLM 435: Service Learning for Community Development	DCE 203: Walk this Way
NLM 451: Grant Writing	DCE 240: Media for Dance (CS)
PAF 300: Public Management and Administration	EDS 223: Design Thinking
THP 450: Theatre Organization and Management	FMP 201: Film: The Creative Process I (HU)
THP 451: Student Production Board	FMP 225: Introduction to Visual Effects
URB 240: Urban Policy (C)	FMP 240: Introduction to Animation for Film
	GRA 101: Designing Life
	GRA 401: Creative Environment
	IAP 104: Foundations I: Fundamentals of Sound Art
	IAP 321: Music Composition I
	IAP 322: Multitrack Digital Recording
	IAP 325: Sound Performance: Exploring Alternative Performance Groups
	IND 242: Materials and Design
	IND 344: Human Factors in Design
	INT 351: Ambient Environment
	INT 446: Furniture Design and Production
	MDC 211: Introduction to Digital Sound
	MDC 311: Composing and Performing for Hybrid Ensembles
	MUP 319: Advanced Audio Engineering in the Arts
	MUS 100: Fundamentals of Music Notation
	MUS 210: The Arts Around Us (HU)
	MUS 211: Dance, Music and Meaning (HU)
	MUS 212: Music, Meaning and Imagination (HU)
	MUS 294: Music and Society



MUS 294: Producing Hip Hop and Dance  
Music I

MUS 294: Songwriting

MUS 355: American Music (HU & C & H)

MUS 362: Rap Music and Hip Hop Culture  
(HU & C)

MUS 371: World Music (HU & G)

THF 101: Acting Introduction

THF 215: Design and Composition for  
Theatre and Film

THP 201: Theatre Production Crew

THP 213: Introduction to Technical Theatre

THP 214: Introduction to Costuming

THP 317: Stage Management

THP 330: Costume Design

THP 332: Makeup

THP 335: Advanced Stagecraft

THP 340: Scene Design

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 394: Pattern Drafting for Theatre

THP 431: Advanced Costume Construction

THP 435: Technical Direction

THP 440: Advanced Scene Design

THP 441: Scene Painting

THP 442: Drawing

THP 444: Drafting for the Stage

THP 445: Advanced Lighting Design

THP 455: Advanced Media Design

THP 494: Art Direction

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.















## 2019 - 2020 Major Map

### Dance, BFA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FADANBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Dance students must successfully complete an <b>entrance interview</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Dance majors take DCE 170 to complete this requirement.</li> <li>• One Personal Movement Practices course (DCE 133, 134, 135, or 136) is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Join an organization and/or participate in an off-campus performance project.</li> </ul>
 DCE 130: First-Year Movement Practices I	2	C	
 DCE 160: First-Year Creative Practices I	3	C	
 DCE 170: First-Year Seminar I	1	C	
Lower Division Personal Movement Practice	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Elective	2		
Term hours subtotal:	16		
Term 2 16 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 131: First-Year Movement Practices II	2	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course (DCE 133, 134, 135, or 136) in this term for general elective credit if their schedule allows.</li> </ul>
 DCE 161: First-Year Creative Practices II	3	C	
 DCE 171: First-Year Seminar II	2	C	
DCE 201: Dance, Culture, and Global Contexts (HU)	3	C	
Lower Division Personal Movement Practice	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 33 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 230: Second-Year Movement Practices I	2	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Advancement in Personal Movement Practices is determined by instructor.</li> <li>• Establish <b>career interests</b>, develop soft skills, <b>build a resume</b> and research <b>internship</b> opportunities.</li> </ul>
 DCE 260: Second-Year Creative Practices I	3	C	
 DCE 270: Second-Year Seminar I	1	C	
Lower Division Personal Movement Practice	2	C	
Computer/Statistics/Quantitative Applications (CS) OR DCE 240: Media for Dance (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 47 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ DCE 231: Second-Year Movement Practices II	2	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Advancement in Personal Movement Practices is determined by instructor.</li> </ul>
❖ DCE 261: Second-Year Creative Practices II	3	C	
❖ DCE 300: Moving Histories (HU)	3	C	
❖ DCE 354: Creative Approaches to Teaching Dance I	3	C	
❖ DCE 136: Somatic Practices I OR DCE 236: Somatic Practices II OR DCE 336: Somatic Practices III	2-3	C	
Elective	1		
❖ Complete DCE 201 course.			
Term hours subtotal:		14-15	

Term 5 61 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DCE 360: Third-Year Creative Practices I	3	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Advancement in Personal Movement Practices is determined by instructor.</li> <li>• Begin career/degree alignment. Engage in community partnerships or projects.</li> </ul>
DCE 301: Meaning in Motion (L or HU)	3	C	
DCE 330: Third-Year Movement Practices I	2	C	
DCE 356: Creative Approaches to Teaching Dance II	3	C	
Upper Division Personal Movement Practice	3	C	
Elective	2		
Term hours subtotal:		16	

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DCE 361: Third-Year Creative Practices II	3	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Advancement in Personal Movement Practices is determined by instructor.</li> </ul>
DCE 331: Third-Year Movement Practices II	2	C	
DCE 402: Ethnography of Dance Practices (L) OR DCE 405: Rhetorical Moves (L or HU)	3	C	
Upper Division Personal Movement Practice	3	C	
Natural Science - Quantitative (SQ)	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DCE 460: Transition Project I	2	C	<ul style="list-style-type: none"> <li>• Start <b>networking</b> professionally.</li> </ul>
Upper Division Personal Movement Practice	3	C	
DCE Upper Division Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:		15	

		Minimum	
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Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ DCE 461: Transition Project II	2	C	
Upper Division Personal Movement Practice	3	C	
DCE Upper Division Elective	3	C	
Upper Division Elective OR DCE 484: Internship	2		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

Lower Division Personal Movement Practices	Upper Division Personal Movement Practices
DCE 133: Urban Movement Practices I	DCE 333: Urban Movement Practices III
DCE 134: Postmodern Contemporary I	DCE 334: Postmodern Contemporary III
DCE 135: Contemporary Ballet I	DCE 335: Contemporary Ballet III
DCE 136: Somatic Practices I	DCE 336: Somatic Practices III
DCE 194: Salsa I	DCE 338: Urban Movement Practices Ensemble
DCE 233: Urban Movement Practices II	DCE 394: Latin/Salsa III
DCE 234: Postmodern Contemporary II	
DCE 235: Contemporary Ballet II	
DCE 236: Somatic Practices II	
DCE 294: Salsa II	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.















## 2019 - 2020 Major Map

### Dance (Dance Education), BFA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FADANEBFA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 Milestone: School of Dance students must successfully complete an <b>entrance interview</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Dance majors complete DCE 170 to fulfill this requirement.</li> <li>• One Personal Movement Practices course (DCE 133, 134, 135, or 136) is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Join an organization and/or participate in an off-campus performance project.</li> </ul>	
 DCE 130: First-Year Movement Practices I	2	C		
 DCE 160: First-Year Creative Practices I	3	C		
 DCE 170: First-Year Seminar I	1	C		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C		
Lower Division Personal Movement Practice	2	C		
Mathematics (MA)	3			
Term hours subtotal:	14			
<hr/>				
Term 2 14 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 DCE 131: First-Year Movement Practices II	2	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course (DCE 133, 134, 135, or 136) in this term for general elective credit if their schedule allows.</li> </ul>	
 DCE 161: First-Year Creative Practices II	3	C		
 DCE 171: First-Year Seminar II	2	C		
DCE 201: Dance, Culture, and Global Contexts (HU)	3	C		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C		
Lower Division Personal Movement Practice	2	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) AND Global Awareness (G)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	18			
<hr/>				
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 DCE 230: Second-Year Movement Practices I	2	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Advancement in Personal Movement Practice courses is determined by instructor.</li> </ul>	
 DCE 260: Second-Year Creative Practices I	3	C		
 DCE 270: Second-Year Seminar I	1	C		
Lower Division Personal Movement Practice	2	C		

Computer/Statistics/Quantitative Applications (CS) OR DCE 240: Media for Dance (CS)	3
Social-Behavioral Sciences (SB) AND Historical Awareness (H) OR GCU 113: United States and Arizona Social Studies (SB & H)	3
❗ Complete DCE 201 course.	
❗ Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	14

- Establish **career interests**, develop soft skills, **build a resume** and research **internship opportunities**.

Term 4 46 - 63 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ DCE 231: Second-Year Movement Practices II	2	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Teachers College requirement: Apply for identity verified <b>DPS fingerprint clearance card</b>.</li> </ul>
❗ DCE 261: Second-Year Creative Practices II	3	C	
❗ DCE 300: Moving Histories (HU)	3	C	
❗ DCE 354: Creative Approaches to Teaching Dance I	3	C	
Lower Division Personal Movement Practice	2	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	17		

Term 5 63 - 80 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ DCE 360: Third-Year Creative Practices I	3	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Teachers College requirement: Complete the Intent to Progress form (meet with major advisor to complete this form).</li> <li>• Teachers College requirement: Submit copy of DPS fingerprint clearance card to Teachers College or upload copy to Intent to Progress form.</li> <li>• Teachers College Requirement: Attend Teachers College Enrollment Workshop.</li> <li>• Career/degree alignment. Engage in a community partnership or project.</li> </ul>
DCE 301: Meaning in Motion (L or HU)	3	C	
DCE 330: Third-Year Movement Practices I	2	C	
DCE 356: Creative Approaches to Teaching Dance II	3	C	
EDP 313: Childhood and Adolescence (SB)	3	C	
Upper Division Personal Movement Practice	3	C	
Term hours subtotal:	17		

Term 6 80 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SED 398: Clinical Experience	1	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Begin Teachers College courses for certification.</li> </ul>
DCE 331: Third-Year Movement Practices II	2	C	
DCE 336: Somatic Practices III	3	C	
DCE 361: Third-Year Creative Practices II	3	C	
DCE 402: Ethnography of Dance Practices (L) OR DCE 405: Rhetorical Moves (L or HU)	3	C	
Upper Division Personal Movement Practice	2	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

	Minimum
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Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ SED 496: Clinical Experience III	1	C	<ul style="list-style-type: none"> <li>One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>Start <b>networking</b> professionally.</li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
DCE Upper Division Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	14		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>Complete student teaching and required teacher exam(s) for certification.</li> </ul>
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Lower Division Personal Movement Practices	Upper Division Personal Movement Practices
DCE 133: Urban Movement Practices I	DCE 333: Urban Movement Practices III
DCE 134: Postmodern Contemporary I	DCE 334: Postmodern Contemporary III
DCE 135: Contemporary Ballet I	DCE 335: Contemporary Ballet III
DCE 136: Somatic Practices I	DCE 336: Somatic Practices III
DCE 194: Salsa I	DCE 338: Urban Movement Practices Ensemble
DCE 233: Urban Movement Practices II	DCE 394: Latin/Salsa III
DCE 234: Postmodern Contemporary II	
DCE 235: Contemporary Ballet II	
DCE 236: Somatic Practices II	
DCE 294: Salsa II	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)



First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Digital Culture, BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		




Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Lower Division Digital Culture Flexible Elective Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Digital Media - Media Arts & Design Course OR Digital Culture Studies Course	3	C	<ul style="list-style-type: none"> <li>• Digital Media - Arts &amp; Design Courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.</li> <li>• Build your <b>skills</b>.</li> </ul>
Lower Division Digital Culture Studies Course	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Complete MAT 210 course(s).			

Term hours subtotal: 16

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
 Digital Media - Media Arts & Design Course OR Digital Culture Studies Course	6	C	
Lower Division History/Theory Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies Course	3	C	<ul style="list-style-type: none"> <li>• Build a digital portfolio.</li> </ul>
<i>Complete 2 courses:</i>			
Upper Division Digital Media - Media Arts & Design Course OR Upper Division Digital Culture Studies Course	6	C	
Upper Division History/Theory Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies Course	3	C	<ul style="list-style-type: none"> <li>• Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.</li> <li>• Explore an <b>internship</b>. Any internship approved for AME 484 Internship credit will automatically fulfill AME 486 Capstone II.</li> </ul>
Upper Division Digital Culture Studies Course OR Upper Division Related Digital Culture Course	3	C	
<i>Complete 2 courses:</i>			
Upper Division Digital Media - Media Arts & Design Course OR Upper Division Digital Culture Studies Course	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Digital Media - Media Arts & Design Course OR Upper Division Digital Culture Studies Course	3	C	
Digital Media - Media Engineering Course	3	C	
Elective OR AME 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 486: Digital Culture Capstone II	3	C	
<i>Complete 2 courses:</i>			
Upper Division Digital Media - Media Arts & Design Course OR Upper Division Digital Culture Studies Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile Ap
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	GIT 230: Digital Illustration in Publishing
	MDC 211: Introduction to Digital Sound	GRA 294: Illustrator , InDesign , Photoshop
	MDC 311: Composing and Performing for Hybrid Ensembles	IAP 103: Foundations I: Interdisciplinary Dig Media
	MDC 411: Advanced Interactive Sound	IAP 104: Foundations I: Fundamentals of So Art
		IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for H  
Ensembles

Digital Media - Media Engineering Course List	Related Digital Culture Course List	History/Theory Course List
AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective	ALA 100: Introduction to Environmental Design (HU & H & G)
AME 430: Mac Development for Media Arts		ALA 102: Landscapes and Sustainability (HU & G)
AME 435: Mobile Development		APH 300: World Architecture I/Western Cultures (HU & H & G)
AME 470: Programming for Social and Interactive Media		APH 313: History of Architecture I ((L or HU) & G & H)
EEE 307: Signal Processing for Digital Culture		APH 314: History of Architecture II ((L or HU) & G & H)
		ARA 202: Understanding Photographs
		ARS 102: Art from Renaissance to Modernism (HU & H)
		ARS 345: Art and Television
		ARS 394: Anime
		ARS 438: Art of the 20th Century I (HU & H)
		ARS 439: Art of the 20th Century II (HU & H)
		DCE 300: Moving Histories (HU)
		DSC 101: Design Awareness (HU & G)
		FMP 294: History of Film & Television Production
		FMP 403: Independent Film (HU)
		FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)
		GRA 111: Graphic Design History I (HU)
		GRA 112: Graphic Design History II
		IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)
		IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)
		IND 316: 20th-Century Design I (HU & H)
		IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H)

LPH 311: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition





General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Digital Culture (Art), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ARS 102: Art from Renaissance to Modernism (HU & H) OR ARS 250: History of Photography (HU)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color	3	C	<ul style="list-style-type: none"> <li>• Digital Media - Arts &amp; Design courses are classes that include digital media projects within a trans-disciplinary area of study. See course list below or talk to your advisor for specific course options.</li> <li>• Build your <b>skills</b>.</li> </ul>
Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

Complete MAT 210 course.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	
ART 216: Intermedia Practices	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		

Term hours subtotal: 16

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.</li> <li>• Build a digital portfolio.</li> </ul>
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
History/Theory Course	3	C	
Elective OR AME 484: Internship	3		

Term hours subtotal: 15

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> </ul>
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division History/Theory Course	3	C	
Upper Division Studio Art	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		

Term hours subtotal: 15

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Art History	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture Course OR Upper Division Digital Media - Media Arts & Design	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Art Concentration Course	3	C	



Upper Division Digital Culture Studies	3	C
Upper Division Digital Media - Media Engineering	3	C
Term hours subtotal:	12	

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile Ap
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	GIT 230: Digital Illustration in Publishing
	MDC 211: Introduction to Digital Sound	GRA 294: Illustrator , InDesign , Photoshop
	MDC 311: Composing and Performing for Hybrid Ensembles	IAP 103: Foundations I: Interdisciplinary Dig Media
	MDC 411: Advanced Interactive Sound	IAP 104: Foundations I: Fundamentals of Sou Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for H  
Ensembles

Digital Media - Media Engineering Course List	Related Digital Culture Course List	History/Theory Course List
AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective	ALA 100: Introduction to Environmental Design (HU & H & G)
AME 430: Mac Development for Media Arts		ALA 102: Landscapes and Sustainability (HU & G)
AME 435: Mobile Development		APH 300: World Architecture I/Western Cultures (HU & H & G)
AME 470: Programming for Social and Interactive Media		APH 313: History of Architecture I ((L or HU) & G & H)
EEE 307: Signal Processing for Digital Culture		APH 314: History of Architecture II ((L or HU) & G & H)
		ARA 202: Understanding Photographs
		ARS 102: Art from Renaissance to Modernism (HU & H)
		ARS 345: Art and Television
		ARS 394: Anime
		ARS 438: Art of the 20th Century I (HU & H)
		ARS 439: Art of the 20th Century II (HU & H)
		DCE 300: Moving Histories (HU)
		DSC 101: Design Awareness (HU & G)
		FMP 294: History of Film & Television Production
		FMP 403: Independent Film (HU)
		FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)
		GRA 111: Graphic Design History I (HU)
		GRA 112: Graphic Design History II
		IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)
		IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)
		IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H)

LPH 311: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

Upper Division Art Concentration Course List	Upper Division Studio Art Course List	Upper Division Art History Course List
ARS 345: Art and Television	ART 346: 3-D Computer Imaging and Animation (CS)	ARS 345: Art and Television
ARS 394: Anime	ART 348: Animation Motion Studies	ARS 394: Anime
ARS 438: Art of the 20th Century I (HU & H)	ART 394: 2-D Computer Animation , 3D Animation I , Digital Photography for Non-Majors , Illustration	ARS 438: Art of the 20th Century I (HU & H)
ARS 439: Art of the 20th Century II (HU & H)	ART 439: Intermedia Studio	ARS 439: Art of the 20th Century II (HU & H)
ARS 456: Introduction to Museums	ART 440: Experimental Video Art	ARS 456: Introduction to Museums
ART 346: 3-D Computer Imaging and Animation (CS)	ART 442: Art and Community	
ART 348: Animation Motion Studies	ART 445: Digital Processes for Printmaking	
ART 394: 2-D Computer Animation , 3D Animation I , Digital Photography for Non-Majors , Illustration	ART 494: 3D Animation II , Documentary Video Art , Stop Motion Animation , Storyboarding and Narrative Sequence , Visual Prototyping , Women/Art/Technology	
ART 439: Intermedia Studio		
ART 440: Experimental Video Art		
ART 442: Art and Community		
ART 445: Digital Processes for Printmaking		

ART 494: 3D Animation II , Documentary  
Video Art , Stop Motion Animation ,  
Storyboarding and Narrative Sequence ,  
Visual Prototyping , Women/Art/Technology

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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 3.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Digital Culture (Arts and Design Studies), BA



School/College: Herberger Institute for Design and the Arts



Location: Tempe campus



HIDCADSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		



Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
The Arts Core OR Design Studies Core	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		



Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Digital Media - Arts &amp; Design courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.</li> <li>• Build your <b>skills</b>.</li> </ul>
The Arts Core OR Design Studies Core	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	
The Arts Core OR Design Studies Core	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.</li> <li>• Build a digital portfolio.</li> </ul>
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
History/Theory Course	3	C	
Elective OR AME 484: Internship	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division History/Theory Course	3	C	
Upper Division The Arts Core OR Design Studies Core	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather <b>professional references</b></li> </ul>
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture Course OR Upper Division Digital Media - Media Arts & Design	3	C	
Upper Division The Arts Core OR Design Studies Core	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Engineering	3	C	
The Arts Core Elective OR Design Studies Core Elective	3	C	

Term hours subtotal: 12

- Digital Culture and Concentration coursework: refer to additional notes and program advisor for course selection.
- Choose to take all courses either in the Arts Core or the Design Studies Core, not both.

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile Ap
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	GIT 230: Digital Illustration in Publishing
	MDC 211: Introduction to Digital Sound	GRA 294: Illustrator , InDesign , Photoshop
	MDC 311: Composing and Performing for Hybrid Ensembles	IAP 103: Foundations I: Interdisciplinary Dig Media
	MDC 411: Advanced Interactive Sound	

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

Digital Media - Media Engineering Course List	Related Digital Culture Course List	History/Theory Course List
AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective	ALA 100: Introduction to Environmental Design (HU & H & G)
AME 430: Mac Development for Media Arts		ALA 102: Landscapes and Sustainability (HU & G)
AME 435: Mobile Development		APH 300: World Architecture I/Western Cultures (HU & H & G)
AME 470: Programming for Social and Interactive Media		APH 313: History of Architecture I ((L or HU) & G & H)
EEE 307: Signal Processing for Digital Culture		APH 314: History of Architecture II ((L or HU) & G & H)
		ARA 202: Understanding Photographs
		ARS 102: Art from Renaissance to Modernism (HU & H)
		ARS 345: Art and Television
		ARS 394: Anime
		ARS 438: Art of the 20th Century I (HU & H)
		ARS 439: Art of the 20th Century II (HU & H)
		DCE 300: Moving Histories (HU)
		DSC 101: Design Awareness (HU & G)
		FMP 294: History of Film & Television Production
		FMP 403: Independent Film (HU)
		FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)
		GRA 111: Graphic Design History I (HU)
		GRA 112: Graphic Design History II
		IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)
		IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)



IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H)

LPH 311: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

The Arts Core Course List

ARA 489: Writing Art and Design Criticism

ARS 102: Art from Renaissance to Modernism (HU & H)

HDA 210: Creativity and Innovation in Design and the Arts

HDA 252: Foundations Arts and Design Entrepreneurship

HDA 310: Socially Engaged Practice

The Arts Core Elective Course List

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 314: History of Architecture II ((L or HU) & G & H)

Design Studies Core Course List

GRA 101: Designing Life

GRA 225: Communication/Interaction Design Theory

GRA 401: Creative Environment

IND 344: Human Factors in Design

INT 121: Introduction to Computer Modeling for Interior Design (CS)

Design Studies Core Elective Course List

APH Upper Division Elective

ARA 489: Writing Art and Design Criticism

GRA Upper Division Elective

IND Upper Division Elective

INT Upper Division Elective

LPH Upper Division Elective

ARS 201: Art of Asia (HU & H & G)

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ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)

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DCE 201: Dance, Culture, and Global Contexts (HU)

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DSC 101: Design Awareness (HU & G)

---

FMP 404: World Cinema (G)

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MUS 347: Jazz in America (HU & C)

---

THE 422: Latina and Latino Theatre and Film (HU & C)

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THE 423: African American Theatre (C)

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THE 426: Pre-Columbian Theatre of the Americas

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Digital Culture (Design), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCDBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Lower Division Design Concentration	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Digital Media - Arts &amp; Design courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.</li> <li>• Build your <b>skills</b>.</li> </ul>
Lower Division Design Concentration	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Complete MAT 210 course.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	
Lower Division Design Concentration	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.</li> <li>• Build a digital portfolio.</li> </ul>
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
History/Theory Course	3	C	
Elective OR AME 484: Internship	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> </ul>
Upper Division Design Concentration	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division History/Theory Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Design Concentration	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture Course OR Upper Division Digital Media - Media Arts & Design	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Design Concentration	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Engineering	3	C	

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile App
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	GIT 230: Digital Illustration in Publishing
	MDC 211: Introduction to Digital Sound	GRA 294: Illustrator , InDesign , Photoshop
	MDC 311: Composing and Performing for Hybrid Ensembles	IAP 103: Foundations I: Interdisciplinary Dig Media
	MDC 411: Advanced Interactive Sound	IAP 104: Foundations I: Fundamentals of Sou Art
		IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for H  
Ensembles

Digital Media - Media Engineering Course List	Related Digital Culture Course List	History/Theory Course List
AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective	ALA 100: Introduction to Environmental Design (HU & H & G)
AME 430: Mac Development for Media Arts		ALA 102: Landscapes and Sustainability (HU & G)
AME 435: Mobile Development		APH 300: World Architecture I/Western Cultures (HU & H & G)
AME 470: Programming for Social and Interactive Media		APH 313: History of Architecture I ((L or HU) & G & H)
EEE 307: Signal Processing for Digital Culture		APH 314: History of Architecture II ((L or HU) & G & H)
		ARA 202: Understanding Photographs
		ARS 102: Art from Renaissance to Modernism (HU & H)
		ARS 345: Art and Television
		ARS 394: Anime
		ARS 438: Art of the 20th Century I (HU & H)
		ARS 439: Art of the 20th Century II (HU & H)
		DCE 300: Moving Histories (HU)
		DSC 101: Design Awareness (HU & G)
		FMP 294: History of Film & Television Production
		FMP 403: Independent Film (HU)
		FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)
		GRA 111: Graphic Design History I (HU)
		GRA 112: Graphic Design History II
		IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)
		IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)
		IND 316: 20th-Century Design I (HU & H)
		IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H)

LPH 311: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

Lower Division Design Concentration

ALA OR APH OR DSC OR EDS OR GRA OR IND OR INT OR LAP OR LPH Lower Division Elective

Upper Division Design Concentration

APH OR DSC OR EDS OR GRA OR IND OR INT OR LAP OR LPH Upper Division Elective

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Digital Culture (English), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCENBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
Lower Division Digital Culture Studies	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Build your <b>skills</b>.</li> </ul>
Lower Division English Concentration Electives Category I	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Complete MAT 210 course.			
Term hours subtotal:	16		



Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Digital Media - Arts &amp; Design courses are classes that include digital media projects within a trans-disciplinary area of study. See course list below or talk to your advisor for specific course options.</li> </ul>
<i>Complete 2 courses:</i>			
Lower Division English Concentration Electives Category I	6	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Build a digital portfolio.</li> </ul>
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
<i>Complete 2 courses:</i>			
Upper Division English Concentration Electives Category II	6	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Explore an internship.</li> </ul>
ENG 400: History of Literary Criticism (L or HU) OR ENG 401: Topics in Critical Theory OR ENG 472: Rhetorical Studies (L)	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division English Concentration Electives Category III	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Digital Culture Studies OR Upper Division Digital Media - Media Engineering Course	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division English Concentration Electives Category III	3	C	
Elective OR AME 484: Internship	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division English Concentration Electives Category III	3	C	

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile Ap
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	GIT 230: Digital Illustration in Publishing
	MDC 211: Introduction to Digital Sound	GRA 294: Illustrator , InDesign , Photoshop
	MDC 311: Composing and Performing for Hybrid Ensembles	IAP 103: Foundations I: Interdisciplinary Dig Media
	MDC 411: Advanced Interactive Sound	IAP 104: Foundations I: Fundamentals of Sou Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for H  
Ensembles

Digital Media - Media Engineering Course List	English Concentration Electives Category I: Select 3 courses; 9 credits	English Concentration Electives Category II: Select 2 courses; 6 credits
AME 410: Interactive Materials	ENG 205: Introduction to Writing, Rhetorics and Literacies (L)	ENG 312: English in its Social Setting (L or HU or SB)
AME 430: Mac Development for Media Arts	ENG 210: Introduction to Creative Writing	ENG 314: Modern Grammar
AME 435: Mobile Development	ENG 213: Introduction to the Study of Language	ENG 403: Semantics
AME 470: Programming for Social and Interactive Media	FMS 200: Film History ((L or HU) & H)	ENG 447: Experimental Narrative
EEE 307: Signal Processing for Digital Culture		FMS 351: Emerging Digital Media
English Concentration Electives Category III: Select 3 courses; 9 credits		
FMS Upper Division Elective		
Upper Division ENG Literature class		
Upper Division ENG Writing, Rhetorics, and/or Literacies class		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Digital Culture (Film), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCFBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First Year Seminar required of all freshman students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FMP 201: Film: The Creative Process I (HU) OR FMP 250: Sex and Violence in Film and TV: Ethics Survey	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Digital Media - Arts &amp; Design courses are classes that include digital media projects within a trans-disciplinary area of study. See course list below or talk to your advisor for specific course options.</li> <li>• Build your <b>skills</b>.</li> </ul>
FMP OR FMS OR THE OR THF OR THP Lower Division Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

Complete MAT 210 course.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	
History/Theory Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		

Term hours subtotal: 16

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.</li> <li>• Build a digital portfolio.</li> </ul>
FMP 300: Film Production: Film & Media Part 1	3	C	
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Elective OR AME 484: Internship	3		

Term hours subtotal: 15

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> </ul>
FMP 394: Special Topics OR FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division History/Theory Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		

Term hours subtotal: 15

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture Course OR Upper Division Digital Media - Media Arts & Design	3	C	
FMP 403: Independent Film (HU) OR FMP 404: World Cinema (G) OR FMP Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	

FMP 394: Special Topics OR FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)	3	C
Upper Division Digital Culture Studies	3	C
Upper Division Digital Media - Media Engineering	3	C
Term hours subtotal:	12	

- Digital Culture and Concentration coursework: refer to additional notes and program advisor for course selection.

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile Ap
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	GIT 230: Digital Illustration in Publishing
	MDC 211: Introduction to Digital Sound	GRA 294: Illustrator , InDesign , Photoshop

MDC 311: Composing and Performing for Hybrid Ensembles	IAP 103: Foundations I: Interdisciplinary Digital Media
MDC 411: Advanced Interactive Sound	IAP 104: Foundations I: Fundamentals of Sound Art
	IAP 322: Multitrack Digital Recording
	IAP 361: Digital Editing and Media Literacy
	IAP 364: Documentaries
	IAP 394: Motion Graphics & Animation
	IAP 462: Games and Play
	MDC 311: Composing and Performing for Hybrid Ensembles

Digital Media - Media Engineering Course List	Related Digital Culture Course List	History/Theory Course List
AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective	ALA 100: Introduction to Environmental Design (HU & H & G)
AME 430: Mac Development for Media Arts		ALA 102: Landscapes and Sustainability (HU & G)
AME 435: Mobile Development		APH 300: World Architecture I/Western Cultures (HU & H & G)
AME 470: Programming for Social and Interactive Media		APH 313: History of Architecture I ((L or HU) & G & H)
EEE 307: Signal Processing for Digital Culture		APH 314: History of Architecture II ((L or HU) & G & H)
		ARA 202: Understanding Photographs
		ARS 102: Art from Renaissance to Modernism (HU & H)
		ARS 345: Art and Television
		ARS 394: Anime
		ARS 438: Art of the 20th Century I (HU & H)
		ARS 439: Art of the 20th Century II (HU & H)
		DCE 300: Moving Histories (HU)
		DSC 101: Design Awareness (HU & G)
		FMP 294: History of Film & Television Production
		FMP 403: Independent Film (HU)
		FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)
		GRA 111: Graphic Design History I (HU)
		GRA 112: Graphic Design History II
		IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)

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IAP 305: 20th and 21st Century Art,  
Performance, and Media (L or HU)

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IND 316: 20th-Century Design I (HU & H)

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IND 317: 20th-Century Design II (HU & H)

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INT 111: Interior Design Issues and Theories  
(HU)

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INT 310: History of Interior Design I (HU &  
H)

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INT 311: History of Interior Design II (HU &  
H)

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LPH 310: History of Landscape Architecture  
(HU & H)

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LPH 311: 20th-Century Landscape  
Architecture (HU)

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MUS 347: Jazz in America (HU & C)

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MUS 354: Popular Music (HU)

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MUS 356: Broadway and the American  
Musical (HU)

---

MUS 362: Rap Music and Hip Hop Culture  
(HU & C)

---

STS 303: History of Science and Technology  
(H)

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THE 320: History of the Theatre I (HU & H)

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THE 322: Theatre History and Culture (HU &  
H)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map




### Digital Culture (Graphic Information Technology), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCTEBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Students interested in the Animation focus should take GIT 211.</li> <li>• Students interested in the Web focus should take GIT 215.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
GIT 211: Introduction to Video Game Art OR GIT 215: Introduction to Web Authoring	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GIT 230: Digital Illustration in Publishing	3	C	<ul style="list-style-type: none"> <li>• Build your <b>skills</b>.</li> </ul>
TMC 110: Understanding the Enterprise	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

Complete MAT 210 course(s).

Term hours subtotal: 16

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Digital Media - Arts &amp; Design courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.</li> <li>Students interested in the Animation focus should take GIT 312.</li> <li>Students interested in the Web focus should take GIT 337.</li> </ul>
GIT 312: 3-D Computer Graphics Modeling and Representation (CS) OR GIT 337: Web Content Design	3	C	
Technological Entrepreneurship Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Students interested in the Animation focus should take GIT 411.</li> <li>Students interested in the Web focus should take GIT 414.</li> <li>Build a digital portfolio.</li> </ul>
GIT 411: Computer Animation OR GIT 414: Web Site Design and Internet/Web Technologies	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division Technological Entrepreneurship Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Students interested in the Animation focus should take GIT 314.</li> <li>Students interested in the Web focus should take GIT 402 or GIT 417.</li> <li>Explore an <b>internship</b>.</li> </ul>
GIT 402: New Media Internet Technologies OR GIT 314: Multimedia Design, Planning and Storyboards OR GIT 417: Advanced Web Markup and Scripting	3	C	
<i>Complete 2 courses:</i>			
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	6	C	
Upper Division Technological Entrepreneurship Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Digital Culture Studies OR Digital Media - Media Engineering Course	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division Technological Entrepreneurship Course	3	C	
Elective OR AME 484: Internship	3		
Term hours subtotal:	15		

		Minimum	
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Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Culture Studies OR Upper Division Digital Media - Media Arts & Design OR Digital Media - Media Engineering Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile App
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	

MDC 211: Introduction to Digital Sound

GIT 230: Digital Illustration in Publishing

MDC 311: Composing and Performing for Hybrid Ensembles

GRA 294: Illustrator , InDesign , Photoshop

MDC 411: Advanced Interactive Sound

IAP 103: Foundations I: Interdisciplinary Dig Media

IAP 104: Foundations I: Fundamentals of So Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for H Ensembles

Digital Media - Media Engineering Course List

AME 410: Interactive Materials

AME 430: Mac Development for Media Arts

AME 435: Mobile Development

AME 470: Programming for Social and Interactive Media

EEE 307: Signal Processing for Digital Culture

Technological Entrepreneurship Course List

OMT 430: Ethical Issues in Technology

OMT 480: Organizational Effectiveness

TEM 230: Creativity and Business Innovation

TEM 330: Systems Innovation

TEM 431: Innovation Management

TMC 310: Promotion of the Enterprise

TMC 320: Funding the Enterprise

TMC 330: Leading the Enterprise

TMC 430: Enterprise Strategy and Innovation

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Digital Culture (Interdisciplinary Arts and Performance), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus



HIDCIAPBA



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		




Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU)	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		


Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Digital Media - Arts &amp; Design courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.</li> <li>• Build your <b>skills</b>.</li> </ul>
Interdisciplinary Arts and Performance Concentration	3	C	
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Complete MAT 210 course(s).			



Term hours subtotal: 16

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	
<i>Complete 2 courses:</i>			
Interdisciplinary Arts and Performance Concentration	6	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Build a digital portfolio.</li> </ul>
IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division Interdisciplinary Arts and Performance Concentration	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Explore an internship.</li> </ul>
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
<i>Complete 2 courses:</i>			
Upper Division Interdisciplinary Arts and Performance Concentration	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Digital Culture Studies OR Digital Media - Media Engineering Course	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division Interdisciplinary Arts and Performance Concentration	3	C	
Elective OR AME 484: Internship	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 486: Digital Culture Capstone II	3	C	

Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C
Upper Division Interdisciplinary Arts and Performance Concentration	3	C
Upper Division Elective	3	
Term hours subtotal:	12	

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile Ap
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	GIT 230: Digital Illustration in Publishing
	MDC 211: Introduction to Digital Sound	GRA 294: Illustrator , InDesign , Photoshop
	MDC 311: Composing and Performing for Hybrid Ensembles	IAP 103: Foundations I: Interdisciplinary Dig Media
	MDC 411: Advanced Interactive Sound	



Digital Media - Media Engineering Course List	Interdisciplinary Arts and Performance Concentration Course List
AME 410: Interactive Materials	IAP 102: Foundations I: Performance Techniques and Composition
AME 430: Mac Development for Media Arts	IAP 103: Foundations I: Interdisciplinary Digital Media
AME 435: Mobile Development	IAP 104: Foundations I: Fundamentals of Sound Art
AME 470: Programming for Social and Interactive Media	IAP 105: Foundations I: Fundamentals of Visual Art
EEE 307: Signal Processing for Digital Culture	IAP 307: Art and War (HU & G)
	IAP 321: Music Composition I
	IAP 322: Multitrack Digital Recording
	IAP 324: The Voice and Performance
	IAP 325: Sound Performance: Exploring Alternative Performance Groups
	IAP 333: Directing for Performance
	IAP 354: Visual Representation
	IAP 361: Digital Editing and Media Literacy (CS)
	IAP 363: Sound, Image, and Media
	IAP 365: Digital Interactivity
	IAP 375: Contemporary Performance: Theories and Practice
	IAP 394: Special Topics
	IAP 431: Perspectives on Performance and Acting
	IAP 441: Movement for Performance
	IAP 464: Media and Diversity (HU & G)
	IAP 466: Digital Interactivity, Advanced
	IAP 468: Digital Graphic Applications

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

IAP 469: Advanced Audio Production

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IAP 471: Language, Culture, and Performance  
(L or HU)

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IAP 494: Special Topics

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Digital Culture (Media Processing), BS



School/College: Herberger Institute for Design and the Arts



Location: Tempe campus



HIDGCMPBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Major Courses.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		


Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)	6	C	
CSE 110: Principles of Programming (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CPI 111: Game Development I (CS) OR CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Build your <b>skills</b>.</li> </ul>
Digital Culture Studies	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Look into <b>Study Abroad</b> options.</li> </ul>
CPI 211: Game Development II OR CSE 240: Introduction to Programming Languages	3	C	
MAT 243: Discrete Mathematical Structures	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Digital Culture Studies	6	C	<ul style="list-style-type: none"> <li>• Keep good documentation of all your projects.</li> </ul>
CPI 360: Decision Making and Problem Solving OR CSE 310: Data Structures and Algorithms OR CPI 311: Game Engine Development	3	C	
Upper Division Media Processing Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Digital Culture Studies	6	C	<ul style="list-style-type: none"> <li>• Build a digital portfolio.</li> <li>• Explore an <b>internship</b>. Any internship approved for AME 484 Internship credit will automatically fulfill AME 486 Capstone II.</li> </ul>
Complete 2 courses: Upper Division Media Processing Elective	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Digital Culture Studies	3	C	
Upper Division Media Engineering	3	C	
Upper Division Media Processing Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 486: Digital Culture Capstone II OR AME 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Start applying for full-time career opportunities.</li> </ul>
Upper Division Digital Culture Studies	3	C	
Upper Division Media Processing Elective	3	C	
Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Digital Culture Studies	Media Processing Electives	Media Engineering
AME 194: Special Topics	CPI 310: Web-Based Information Management Systems	AME 410: Interactive Materials
AME 220: Programming for the Web	CPI 321: Fundamentals of Game Art	AME 430: Mac Development for Media Arts
AME 244: Introduction to Interactive Environments	CPI 394: Special Topics	EEE 307: Signal Processing for Digital Culture
AME 294: Special Topics	CPI 411: Graphics for Games	
AME 310: Media Literacies and Composition	CPI 421: 3-D Modeling and Texturing	
AME 330: Digital-Physical Systems	CPI 462: Design for Learning in Virtual Worlds	
AME 340: Compositional and Computational Principles for Media Arts	CPI 494: Special Topics	
AME 394: Special Topics	CSE 360: Introduction to Software Engineering	
AME 411: Advanced Interactive Sound	CSE 394: Special Topics	
AME 430: Mac Development for Media Arts	CSE 463: Introduction to Human Computer Interaction	
AME 435: Mobile Development	CSE 470: Computer Graphics	
AME 444: Media Installations	CSE 494: Special Topics	
AME 470: Programming for Social and Interactive Media	IAP 362: Games and Narratology	
AME 494: Special Topics	IAP 462: Games and Play	
ANP 394: Digital Modeling and Fabrication	IEE 431: Engineering Administration (L)	
ART 116: Introduction to Digital Media	SER 431: Advanced Graphics	
ART 206: Digital Photography I		
ART 217: Introduction to Computer Animation		
ART 218: 3D Tools		
ART 378: Digital Textiles		
ART 494: Visual Prototyping		
DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture		
FMP 240: Introduction to Animation for Film		
FMP 394: Non-Linear Editing for Film and Media		
IAP 103: Foundations I: Interdisciplinary Digital Media		
IAP 104: Foundations I: Fundamentals of Sound Art		
MDC 211: Introduction to Digital Sound		
MDC 311: Composing and Performing for Hybrid Ensembles		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Digital Culture (Music), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• MTC 125 is only offered in the fall term and requires a placement diagnostic exam. Please see the your advisor to prepare this term to be able to take this course in the fall semester.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MUS 100: Fundamentals of Music Notation OR MTC 125: Basic Music Theory	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Digital Media - Arts &amp; Design courses are classes that include digital media projects within a trans-disciplinary area of study. See the course list below or talk to your advisor for specific course options.</li> <li>• Build your <b>skills</b>.</li> </ul>
Music Production Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

Complete MAT 210 course.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	
MUS OR MUP OR MUE OR MTC Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		

Term hours subtotal: 16

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.</li> <li>• Build a digital portfolio.</li> </ul>
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
History/Theory Course	3	C	
Elective OR AME 484: Internship	3		

Term hours subtotal: 15

Term 6 78 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• If you take MTC 436, MTC 437, or MUP 319 (2 credits each) in this term, you will need to complete one additional hour (or 4 hours total) of MUS OR MUP OR MUE OR MTC Upper Division Elective in term 8.</li> <li>• Explore an <b>internship</b>.</li> </ul>
MTC 436: Electronic Studio Techniques I OR MTC 437: Electronic Studio Techniques II OR MUE 441: Psychology of Music OR MUP 319: Advanced Audio Engineering in the Arts	2-3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division History/Theory Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		

Term hours subtotal: 14-15

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather <b>professional references</b>.</li> </ul>
MUS 354: Popular Music (HU) OR MUS 362: Rap Music and Hip Hop Culture (HU & C)	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture Course	3	C	
Upper Division Elective	3		

Term hours subtotal: 15

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	



Upper Division Digital Culture Studies	3	C
Upper Division Digital Media - Media Engineering	3	C
MUS OR MUP OR MUE OR MTC Upper Division Elective	4-3	C
Term hours subtotal:	13-12	

• If you took MTC 436, MUP 319 or MTC 437 in term 6, you will need to complete one additional hour (or 4 hours total) of MUS OR MUP OR MUE OR MTC Upper Division Elective in term 8.

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile App
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	GIT 230: Digital Illustration in Publishing
	MDC 211: Introduction to Digital Sound	GRA 294: Illustrator , InDesign , Photoshop
	MDC 311: Composing and Performing for Hybrid Ensembles	IAP 103: Foundations I: Interdisciplinary Dig Media
	MDC 411: Advanced Interactive Sound	

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

Digital Media - Media Engineering Course List	Related Digital Culture Course List	Music Production Elective Course List
AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective	MUS 294: Producing Hip Hop and Dance Music I
AME 430: Mac Development for Media Arts		MUS 294: Rock Band
AME 435: Mobile Development		MUS 294: Song Production with Garage Band
AME 470: Programming for Social and Interactive Media		MUS 294: Songwriting
EEE 307: Signal Processing for Digital Culture		
History/Theory Course List		
ALA 100: Introduction to Environmental Design (HU & H & G)		
ALA 102: Landscapes and Sustainability (HU & G)		
APH 300: World Architecture I/Western Cultures (HU & H & G)		
APH 313: History of Architecture I ((L or HU) & G & H)		
APH 314: History of Architecture II ((L or HU) & G & H)		
ARA 202: Understanding Photographs		
ARS 102: Art from Renaissance to Modernism (HU & H)		
ARS 345: Art and Television		
ARS 394: Anime		
ARS 438: Art of the 20th Century I (HU & H)		
ARS 439: Art of the 20th Century II (HU & H)		
DCE 300: Moving Histories (HU)		
DSC 101: Design Awareness (HU & G)		
FMP 294: History of Film & Television Production		

FMP 403: Independent Film (HU)

FMP 405: Film and Television: Pioneers,  
Practices and Innovations (HU)

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 304: Traditions of the Avant-Garde and  
Experimental Art (L or HU)

IAP 305: 20th and 21st Century Art,  
Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories  
(HU)

INT 310: History of Interior Design I (HU &  
H)

INT 311: History of Interior Design II (HU &  
H)

LPH 310: History of Landscape Architecture  
(HU & H)

LPH 311: 20th-Century Landscape  
Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American  
Musical (HU)

MUS 362: Rap Music and Hip Hop Culture  
(HU & C)

STS 303: History of Science and Technology  
(H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU &  
H)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Digital Culture (Theatre), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus



HIDGCTBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		




Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Students interested in costuming should take THP 214. All others should take THP 213.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming	4	C	
Lower Division Digital Culture Flexible Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	16		



Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
THF 215: Design and Composition for Theatre and Film	3	C	<ul style="list-style-type: none"> <li>• Digital Media - Arts &amp; Design courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.</li> <li>• Build your <b>skills</b>.</li> </ul>
Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Complete MAT 210 course.			
Term hours subtotal:			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Digital Media - Media Arts & Design OR Digital Culture Studies	3	C	
History/Theory Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:		15	

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.</li> <li>• Build a digital portfolio.</li> </ul>
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division Theatre Design Course I	3	C	
Elective OR AME 484: Internship	3		
Term hours subtotal:		15	

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Students may take THP 301 with department consent, however it will need to be taken 3 times to fulfill a Theatre Design Course II requirement.</li> <li>• Explore an <b>internship</b>.</li> </ul>
Upper Division Digital Media - Media Arts & Design OR Upper Division Digital Culture Studies	3	C	
Upper Division History/Theory Course	3	C	
Upper Division Theatre Design Course II	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture Course OR Upper Division Digital Media - Media Arts & Design	3	C	
Upper Division Theatre Design Course I	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:		15	

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 486: Digital Culture Capstone II	3	C	<ul style="list-style-type: none"> <li>• Students may take THP 301 with department consent, however it will need to be taken 3 times to fulfill a Theatre Design Course II requirement.</li> </ul>
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Engineering	3	C	

Term hours subtotal: 12

## Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media - Media Arts & Design Course
AME 210: Media Editing	AME 210: Media Editing	ART 116: Introduction to Digital Media
AME 220: Programming for the Web	AME 220: Programming for the Web	ART 206: Digital Photography I
AME 244: Introduction to Interactive Environments	AME 244: Introduction to Interactive Environments	ART 217: Introduction to Computer Animation
AME 294: Design Politics	AME 294: Circuit Bending	ART 218: 3D Tools
AME 294: HybridAction:PhysicalIntelligenceinDigitalCulture	AME 294: Design Politics	ART 346: 3-D Computer Imaging and Animation (CS)
AME 294: Introduction to Physical Computing	AME 294: Introduction to Physical Computing	ART 348: Animation Motion Studies
MDC 211: Introduction to Digital Sound	AME 294: Soundscape Ecology	ART 394: 2-D Computer Animation , Digital Photography for Non-Majors
	AME 310: Media Literacies and Composition	ART 438: Moving and Interactive Systems in Sculpture
	AME 320: Motion Capture for Integrative Systems	ART 440: Experimental Video Art
	AME 330: Digital-Physical Systems	ART 494: Documentary Video Art , Stop Motion Animation , Visual Prototyping
	AME 394: Special Topics	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalC
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile Ap
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Special Topics	FMP 255: Media Authorship (CS)
	ART 116: Introduction to Digital Media	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 218: 3D Tools	FMP 394: Non-Linear Editing for Film and M
	ART 378: Digital Textiles	GIT 135: Graphic Communications
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 215: Introduction to Web Authoring
	FSH 394: Fashion Design & Wearable Technology	GIT 230: Digital Illustration in Publishing
	MDC 211: Introduction to Digital Sound	GRA 294: Illustrator , InDesign , Photoshop
	MDC 311: Composing and Performing for Hybrid Ensembles	IAP 103: Foundations I: Interdisciplinary Dig Media
	MDC 411: Advanced Interactive Sound	IAP 104: Foundations I: Fundamentals of Sou Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for H  
Ensembles

Digital Media - Media Engineering Course List	Related Digital Culture Course List	History/Theory Course List
AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective	ALA 100: Introduction to Environmental Design (HU & H & G)
AME 430: Mac Development for Media Arts		ALA 102: Landscapes and Sustainability (HU & G)
AME 435: Mobile Development		APH 300: World Architecture I/Western Cultures (HU & H & G)
AME 470: Programming for Social and Interactive Media		APH 313: History of Architecture I ((L or HU) & G & H)
EEE 307: Signal Processing for Digital Culture		APH 314: History of Architecture II ((L or HU) & G & H)
		ARA 202: Understanding Photographs
		ARS 102: Art from Renaissance to Modernism (HU & H)
		ARS 345: Art and Television
		ARS 394: Anime
		ARS 438: Art of the 20th Century I (HU & H)
		ARS 439: Art of the 20th Century II (HU & H)
		DCE 300: Moving Histories (HU)
		DSC 101: Design Awareness (HU & G)
		FMP 294: History of Film & Television Production
		FMP 403: Independent Film (HU)
		FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)
		GRA 111: Graphic Design History I (HU)
		GRA 112: Graphic Design History II
		IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)
		IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)
		IND 316: 20th-Century Design I (HU & H)



IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H)

LPH 311: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

Upper Division Theatre Design I Course List	Upper Division Theatre Design II Course List
THP 330: Costume Design	THP 301: Costume Construction , Lighting, Sound, Media , Theatrical Construction
THP 340: Scene Design	THP 335: Advanced Stagecraft
THP 345: Lighting Design	THP 431: Advanced Costume Construction
THP 350: Sound Design	THP 442: Drawing
THP 355: Media Design for Performance	THP 444: Drafting for the Stage
THP 435: Technical Direction	THP 448: AutoCAD for Live Entertainment
THP 450: Theatre Organization and Management	THP 494: Materials for the Stage
THP 494: Art Direction	THP 494: Rigging for the Stage
	THP 494: Structural and Mechanical Design for the Stage
	THP 494: Vectorworks

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 3.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Environmental Design, BS




School/College: [Herberger Institute for Design and the Arts](#)



Location: [Tempe campus](#)

HIEDSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. DSC 100 fulfills this requirement.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 Design Culture and Literacy I	3	C	
 Design Fundamentals and Principles I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	C	
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Design Culture and Literacy II	3	C	<ul style="list-style-type: none"> <li>• Please work with your academic advisor for Social and Behavioral Sciences (SB) General Studies course options related to your focus area.</li> </ul>
 Design Fundamentals and Principles II	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Main Focus Area Elective	3	C	
Social-Behavioral Sciences (SB) ( PSY 101 recommended)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EDS 223: Design Thinking	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> <li>• The following courses are recommended to fulfill the Natural Science - Quantitative (SQ) requirement: BIO 100, OR PHY 101, OR PHY 111 and 113, OR GPH 111 and 112.</li> </ul>
SOS 100: Introduction to Sustainability (G)	3	C	
Computer/Statistics/Quantitative Applications (CS) ( INT 121 OR CIS 105 recommended)	3	C	
Humanities, Arts and Design (HU)	3	C	
Natural Science - Quantitative (SQ)	4	C	
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EDS 200: Design Literacy and Communication	3	C	
Main Focus Area Elective	3	C	
Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3	C	

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Elective	3
Term hours subtotal:	16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 440: Finding Purpose	3	C	• Develop your skills.
Upper Division Design History	3	C	
Complete 2 courses:	6	C	
Upper Division Main Focus Area Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 301: Writing for the Professions (L)	3		• Complete an in person or virtual practice interview
Upper Division Design Entrepreneurship	3	C	
Upper Division Design History	3	C	
Upper Division Main Focus Area Elective	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDS 301: Sustainable Community Design and Practices	3	C	• Gather professional references
★ EDS 401: Environmental Design Synthesis I	3	C	
Upper Division Main Focus Area Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDS 402: Environmental Design Synthesis II	3	C	
Upper Division Main Focus Area Elective	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Design Culture and Literacy I Course List (choose 1 course; 3 hours)	Design Fundamentals and Principles I Course List (choose 1 course; 3 hours)	Design Entrepreneurship (choose 1 course; 3 hours)
ALA 100: Introduction to Environmental Design (HU & H & G)	ALA 121: Design Fundamentals I	DSC 394: Design Entrepreneurship & Society
	GRA 121: Principles for Graphic Design I	DSC 494: Practice Management

ALA 102: Landscapes and Sustainability (HU & G)	IND 120: Drawing for Industrial Design	
DSC 101: Design Awareness (HU & G)	INT 120: Design Fundamentals I	
GRA 101: Designing Life	INT 121: Introduction to Computer Modeling for Interior Design (CS)	
GRA 111: Graphic Design History I (HU)		
GRA 112: Graphic Design History II		
INT 111: Interior Design Issues and Theories (HU)		
<b>Design Culture and Literacy II Course List (choose 1 course; 3 hours)</b>	<b>Design Fundamentals and Principles II Course List (choose 1 course; 3-4 hours)</b>	<b>Design History Elective (Choose 2 courses; 6 hours)</b>
ALA 100: Introduction to Environmental Design (HU & H & G)	ALA 122: Design Fundamentals II AND ALA 124: Design Fundamentals II Lecture	APH 300: World Architecture I/Western Cultures (HU & H & G) or APH 313: History of Architecture I ((L or HU) & G & H)
ALA 102: Landscapes and Sustainability (HU & G)	GRA 122: Principles for Graphic Design II	APH 314: History of Architecture II ((L or HU) & G & H)
COM 100: Introduction to Human Communication (SB)	GRA 225: Communication/Interaction Design Theory	APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU & H)
COM 110: Elements of Interpersonal Communication (SB)	GRA 294: Dynamic Visual Representation	APH 414: Great Cities ((L or HU) & H)
CON 101: Construction and Culture: a Built Environment (HU & H)	IND 121: Principles for Industrial Design I AND IND 122: Principles for Industrial Design II	APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU)
DSC 101: Design Awareness (HU & G)	INT 123: Introduction to Computer-Aided Design and Building Information Modeling	IND 316: 20th-Century Design I (HU & H)
GRA 101: Designing Life	INT 221: Principles of Design AND INT 222: Design Fundamentals II Lecture	IND 317: 20th-Century Design II (HU & H)
GRA 111: Graphic Design History I (HU)		INT 310: History of Interior Design I (HU & H)
GRA 112: Graphic Design History II		INT 311: History of Interior Design II (HU & H)
INT 111: Interior Design Issues and Theories (HU)		INT 415: Latin American Design
INT 131: Design and Human Behavior (SB)		INT 494: Contemporary Design Issues in Europe
PHI 103: Principles of Sound Reasoning (L or HU)		INT 494: Design and Context
PHI 105: Intro to Ethics (HU)		LAP 485: International Field Studies
		LPH 310: History of Landscape Architecture (HU & H)
		LPH 311: 20th-Century Landscape Architecture (HU)
<b>Design Management, Innovation and Strategy Focus (Choose 7 courses; 21 hours in the main focus area)</b>	<b>Design, Environment and Sustainability Focus (Choose 7 courses; 21 hours in the main focus area)</b>	
ACC 382: Accounting and Financial Analysis	ATE 361: Architectural Technology I	
ARA 396: Professional Practices for Design and the Arts	ATE 362: Architectural Technology II	
	ATE 452: Architectural Technology III	

COM 100: Introduction to Human Communication (SB)	CON 294: Deductive Logic, Leadership/Management Techniques
COM 110: Elements of Interpersonal Communication (SB)	DSC 494: Economics of Building Design
COM 225: Public Speaking (L)	EDS 484: Internship
COM 230: Small Group Communication (SB)	GRA 401: Creative Environment
COM 250: Communication and the Workplace (SB)	IND 242: Materials and Design
COM 259: Communication in Business and the Professions	IND 344: Human Factors in Design
COM 263: Elements of Intercultural Communication (SB & C & G)	INT 341: Interior Codes: Public Welfare and Safety
COM 312: Communication, Conflict, and Negotiation	INT 351: Ambient Environment
CON 294: Deductive Logic, Leadership/Management Techniques	INT 471: Facilities Management
CON 494: Facilities Management Operations and Maintenance	LAP 254: Plant Materials
DSC 494: Economics of Building Design	LTC 343: Landscape Construction I
DSC 494: Practice Management	LTC 344: Landscape Construction II
ECN 211: Macroeconomic Principles (SB)	PHI 103: Principles of Sound Reasoning (L or HU)
ECN 212: Microeconomic Principles (SB)	PHI 105: Intro to Ethics (HU)
ECN 382: Managerial Economics	PHI 360: Business and Professional Ethics (HU)
EDS 484: Internship	PUP 301: Introduction to Urban Planning (L)
ENT 290: Entrepreneurship: Opportunity to Impact	PUP 363: History of Planning
FIN 380: Personal Financial Management	PUP 420: Theory of Urban Design (HU)
GRA 345: Design Rhetoric (L)	SOS 111: Sustainable Cities ((HU or SB) & G)
GRA 401: Creative Environment	SOS 300: Advanced Concepts and Integrated Approaches in Sustainability
HDA 210: Creativity and Innovation in Design and the Arts	SOS 320: Society and Sustainability (L or SB)
HDA 252: Foundations Arts and Design Entrepreneurship	SOS 323: Sustainable Urban Dynamics
HDA 420: Design and the Arts Business Administration	SOS 324: Sustainable Energy Technology and Systems
IND 242: Materials and Design	SOS 325: The Economics of Sustainability
IND 344: Human Factors in Design	URB 300: Urban and Metropolitan Studies
IND 354: Principles of Product Design	
INT 471: Facilities Management	
INT 472: Professional Practice for Interior Design	

LES 380: Consumer Perspective of Business Law

MGT 380: Management and Strategy for Nonmajors

MKT 390: Essentials of Marketing

MKT 391: Essentials of Selling

MKT 395: Essentials of Advertising and Marketing Communication

PHI 103: Principles of Sound Reasoning (L or HU)

PHI 105: Intro to Ethics (HU)

PHI 306: Applied Ethics (HU)

PHI 360: Business and Professional Ethics (HU)

SOC 324: Work and the Workplace (SB & H)

THP 452: Arts Entrepreneurship Seminar

TWC 301: Fundamentals of Writing for Digital Media (L)

TWC 347: Written Communication for Managers (L)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Fashion, BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIFSHBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ARA 101: The Art Experience is required of all freshman art majors only.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ART 110: Drawing as Seeing and Thinking (HU)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSH 125: Survey of the Fashion Industry OR FSH 201: Textiles Survey	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 100: Introduction to Art (HU) OR ARS 300: Introduction to Art (HU)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSH 125: Survey of the Fashion Industry OR FSH 201: Textiles Survey	3	C	
INT 121: Introduction to Computer Modeling for Interior Design (CS)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
FSH 202: Fashion Construction	3	C	
FSH 203: Fashion Illustration	3	C	
FSH 208: Fashion Technology	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		
Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FSH 204: Social Aspects of Fashion (L or HU or SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
FSH 206: Fashion Design	3	C	



FSH 280: Fashion Merchandising	3	C
THE 431: History of Fashion II: 20th-Century Fashion	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	16	

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Business & Merchandising Elective	3	C	<ul style="list-style-type: none"> <li>Students may select a fashion elective from any of the three groups below (Apparel &amp; Fashion Design, Business &amp; Merchandising, or Fashion Studies &amp; Creativity).</li> </ul>
FSH 300: Global Fashion Industry (G)	3	C	
THE 430: History of Fashion I (HU)	3	C	
Fashion Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FSH 397: Fashion Capstone Development	1	C	<ul style="list-style-type: none"> <li>During FSH 397, students will work with a faculty mentor to develop their individual capstone project. Projects may range from an academic thesis to an applied project (or any combination of both). Students will execute their planned project the following semester to earn FSH 497 credit.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
ARA 396: Professional Practices for Design and the Arts OR FSH 394: Branding for Future Fashion Professionals	3	C	
FSH 435: Contemporary Fashion	3	C	
Upper Division Professional Practices for Fashion	1	C	
Upper Division Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Upper Division Elective	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FSH 497: Fashion Capstone	3	C	<ul style="list-style-type: none"> <li>Students may select a fashion elective from any of the three groups below (Apparel &amp; Fashion Design, Business &amp; Merchandising, or Fashion Studies &amp; Creativity).</li> <li>Gather <b>professional references</b>.</li> <li>Explore an <b>internship</b>; complete Internship Application Form to request course credit.</li> </ul>
FSH 484: Internship	3	C	
Fashion Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FSH 497: Fashion Capstone OR Upper Division Fashion Elective	3	C	<ul style="list-style-type: none"> <li>Students may select a fashion elective from any of the three groups below (Apparel &amp; Fashion Design, Business &amp; Merchandising, or Fashion Studies &amp; Creativity).</li> <li>Research <b>employment opportunities</b>.</li> </ul>
Upper Division Fashion Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	12		

- Students may select fashion electives from any of the following groups: Apparel & Fashion Design, Business & Merchandising, or Fashion Studies & Creativity.

Hide Course List(s)/Track Group(s)

Fashion Studies & Creativity Electives	Business & Merchandising Electives	Apparel & Fashion Design Electives
AME 111: Introduction to Digital Culture (CS)	ACC 382: Accounting and Financial Analysis	ART 354: Screen Printing I
AME 210: Media Editing	BUA 381: Small Business Accounting and Finance	FSH 394: Fashion Collection Development
AME 220: Programming for the Web	DSC 394: Design Entrepreneurship & Society	FSH 394: Fashion Construction II
AME 230: Programming for the Media Arts (CS)	ECN 211: Macroeconomic Principles (SB)	FSH 394: Fashion Design II
AME 294: Introduction to Physical Computing , Soundscape Ecology	ECN 212: Microeconomic Principles (SB)	FSH 394: Fashion Illustration II
AME 330: Digital-Physical Systems	ENG 301: Writing for the Professions (L)	FSH 394: Fashion Technology II
AME 410: Interactive Materials	ENT 290: Entrepreneurship: Opportunity to Impact	FSH 394: Native American Fashion
AME 598: Body Matters: Palpability and Wearable Computing	ENT 305: Principles of Entrepreneurship	FSH 494: Fashion Construction III
ANP 394: Digital Modeling and Fabrication	ENT 340: Creativity and Innovation (L or HU)	FSH 494: Fashion Design III
ARA 460: Gallery Exhibitions	ENT 360: Entrepreneurship and Value Creation	FSH 494: Fashion Technology III
ART 201: Photography I (HU)	FIN 331: Financial Markets and Institutions	
ART 204: Photography II: Black and White	FIN 380: Personal Financial Management	
ART 205: Photography II: Color	FIN 394: Fundamentals of Entrepreneurial Finance	
ART 206: Digital Photography I	FSH 394: Fashion Visual Merchandising	
ART 214: Life Drawing I	HDA 252: Foundations Arts and Design Entrepreneurship	
ART 276: Fibers I	HDA 420: Design and the Arts Business Administration	
ART 314: Life Drawing II	LES 380: Consumer Perspective of Business Law	
ART 325: Figure Painting	MGT 310: Collaborative Team Skills	
ART 354: Screen Printing I	MGT 380: Management and Strategy for Nonmajors	
ART 376: Weaving and Dyeing	MGT 400: Cross-Cultural Management (C & G)	
ART 377: Surface to Form	MGT 411: Leading Organizations	
ART 394: Special Topics	MGT 420: Human Resource Management	
ART 414: Life Drawing III	MGT 430: Negotiations	
ART 425: Advanced Figure Painting	MKT 300: Marketing and Business Performance	
ART 432: Neon Sculpture	MKT 390: Essentials of Marketing	
ART 442: Art and Community	MKT 391: Essentials of Selling	
ART 476: Advanced Textile Construction		
ART 479: 3-D Fibers: Construction and Content		
CIS 300: Web Design and Development		

EDS 200: Design Literacy and Communication	MKT 395: Essentials of Advertising and Marketing Communication
EDS 223: Design Thinking	MKT 396: Essentials of Services Marketing
FSH 194: Special Topics	MKT 397: Essentials of Global Marketing
FSH 294: Special Topics	MKT 425: Global Marketing Management (G)
FSH 394: Special Topics	OGL 200: Introduction to Organizational Leadership (SB)
FSH 484: Internship	OGL 220: Behavioral Dynamics in Organizations (SB)
FSH 492: Honors Directed Study	OGL 350: Diversity and Organizations (L & C)
FSH 493: Honors Thesis (L)	OGL 355: Leading Organizational Innovation and Change
FSH 494: Special Topics	THP 351: Arts Management
GRA 101: Designing Life	THP 452: Arts Entrepreneurship Seminar
GRA 225: Communication/Interaction Design Theory	TWC 347: Written Communication for Managers (L)
HDA 210: Creativity and Innovation in Design and the Arts	
HDA 310: Socially Engaged Practice	
IND 494: Textile Design	
THP 301: Costume Construction	
THP 330: Costume Design	
THP 331: Costume Construction	
THP 332: Makeup	
THP 394: Pattern Drafting for Theatre	
THP 431: Advanced Costume Construction	
THP 494: Costume Crafts	
THP 494: Costume Design II	
<b>Professional Practices for Fashion</b>	<b>Minor and Certificate programs that compliment Fashion:</b>
ARA 396: Professional Practices for Design and the Arts	Business
FSH 394: Professional Practices for Fashion	Entrepreneurship and Innovation
	Media Analysis (Journalism)
	Sales and Marketing Essentials
	Second Language (such as French or Italian)
	Special Events Management
	Sustainability
	Review all 250+ minor and certificate programs <a href="#">here</a>

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map

### Film (Film and Media Production), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAFLMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 THF 125: Orientation to Film, Dance and Theatre	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125: Orientation to Theatre &amp; Film fulfills this requirement for theatre and film majors.</li> <li>• FMP 250, FMS 100, and FMS 200 must be completed by term 4.</li> <li>• Minimum 3.00 Film Core GPA required for selective Film and Media Production concentration.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
<i>Complete 2 courses:</i> FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film (HU) OR FMS 200: Film History (L or HU) & H	6	C		
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C		
Mathematics (MA)	3			
Maintain 3.00 GPA in Theatre and Film courses.				
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
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Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 THF 126: School of Film, Dance and Theatre: First-Year Experience	2	C	<ul style="list-style-type: none"> <li>• THF 160 and THF 215 must be completed by term 4.</li> <li>• Minimum 3.00 Film Core GPA required for selective Film and Media Production concentration.</li> </ul>	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film (HU) OR FMS 200: Film History (L or HU) & H	3	C		
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C		
Elective	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Theatre and Film courses. Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	14			
<hr/>				
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 FMP 201: Film: The Creative Process I (HU) OR FMP 261: Principles of Screenwriting	3	C	<ul style="list-style-type: none"> <li>• Students interested in the film and media production concentration may apply for admission the semester they are completing the film core. For information on the</li> </ul>	
THF 220: Principles of Dramatic Analysis (L or HU)	3	C		
Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended)	3			
Natural Science - Quantitative (SQ)	4			

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) 3

◆ Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Maintain 3.00 GPA in Theatre and Film courses.	
Minimum 2.50 GPA ASU Cumulative.	
Term hours subtotal:	16

application, interview, and portfolio review process, visit [Film and Media Production - Admission Requirements](#)

- Minimum 3.00 Film Core GPA required for selective Film and Media Production concentration.
- Establish [career interests](#).

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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◆ FMP 201: Film: The Creative Process I (HU) OR FMP 261: Principles of Screenwriting	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Upper Division Elective	3		
Elective	3		
◆ Complete FMP 250 AND FMS 100 AND FMS 200 course(s).			
◆ Complete THF 160 AND THF 215 course(s).			
◆ Complete THF 220 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

- Students interested in the film and media production concentration may apply for admission the semester they are completing the film core. For information on the application, interview, and portfolio review process, visit [Film and Media Production - Admission Requirements](#).
- Minimum 3.00 Film Core GPA required for selective Film and Media Production concentration.
- Develop [soft skills](#).

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ FMP 300: Film Production: Film & Media Part I	3	C	
FMP 220: Film and Media Post-Production I	3	C	
THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals OR THP 387: Screen Acting	3	C	
Complete 2 courses:	6	C	
Upper Division Film Elective			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

- Begin aligning your degree with your [career goals](#).

Term 6 77 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ FMP 398: Capstone Development	2	C	
FMP 318: Directing for Film and Media I OR Film/Media Technology Course OR Producing Course	3	C	
FMP 320: Film and Media Post-Production II OR FMP 403: Independent Film (HU)	3	C	
FMP 380: Film Production Crew OR Film Elective	1	C	
Upper Division Film Elective	2	C	
Upper Division Literacy and Critical Inquiry (L)	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 14

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FMP 480: Film Production Capstone I	3	C	<ul style="list-style-type: none"> <li>If on the Producing Track, the Upper Division Humanities, Arts and Design (HU) is fulfilled with FMP 403.</li> <li>Start <b>networking</b>.</li> </ul>
FMP 418: Directing for Film and Media II OR Film/Media Technology Course	3	C	
Upper Division Film Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FMP 481: Film Production Capstone II	3	C	<ul style="list-style-type: none"> <li>Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.</li> </ul>
FMP 420: Film and Media Post-Production III OR Producing Course	3	C	
Complete 2 courses:			
Upper Division Film Elective	5	C	
Upper Division Elective	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Producing Course Options	Film/Media Technology Course Options	Film Electives
FMP 318: Directing for Film and Media I	FMP 220: Film and Media Post-Production I	FMP 294: Special Topics
FMP 330: Professional and Technical Writing for Film/TV Industry	FMP 225: Introduction to Visual Effects	FMP 394: Special Topics
FMP 335: Careers in Film and Media Industry	FMP 240: Introduction to Animation for Film	FMP 404: World Cinema (G)
FMP 370: Producing for Film and Media	FMP 280: Introduction to Film and Media Production	FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)
FMP 417: Business and Legal Practices in Entertainment	FMP 320: Film and Media Post-Production II	FMP 494: Special Topics
FMP 418: Directing for Film and Media II	FMP 325: Guerilla VFX	THE 406: American Multicultural Film (HU & C)
FMP 475: Producing Series	FMP 345: Cinematography I	THE 421: Shakespeare: Stage and Film (L or HU)
FMP 484: Internship	FMP 380: Film Production Crew	THE 430: History of Fashion I (HU)
FMP 494: Welcome to Hollywood	FMP 394: Documentary Production	

HDA 252: Foundations Arts and Design Entrepreneurship	FMP 394: Non-Linear Editing for Film and Media	THE 431: History of Fashion II: 20th-Century Fashion
THP 351: Arts Management	FMP 420: Film and Media Post-Production III	THP 330: Costume Design
	FMP 484: Internship	THP 350: Sound Design
	THP 213: Introduction to Technical Theatre	
	THP 214: Introduction to Costuming	
	THP 340: Scene Design	
	THP 345: Lighting Design	
	THP 355: Media Design for Performance	
	THP 442: Drawing	
	THP 444: Drafting for the Stage	
	THP 445: Advanced Lighting Design	
	THP 455: Advanced Media Design	
	THP 494: Art Direction	
	THP 494: Properties for the Stage	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Film (Filmmaking Practices), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAFPRBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 125: Orientation to Film, Dance and Theatre	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125: Orientation to Theatre &amp; Film fulfills this requirement for theatre and film majors.</li> <li>• Minimum 3.00 Film Core GPA required for highly selective Film and Media Production concentration.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
<i>Complete 2 courses:</i> FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film (HU) OR FMS 200: Film History (L or HU) & H	6	C	
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
Mathematics (MA)	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 126: School of Film, Dance and Theatre: First-Year Experience	2	C	<ul style="list-style-type: none"> <li>• Minimum 3.00 Film Core GPA required for highly selective Film and Media Production concentration.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film (HU) OR FMS 200: Film History (L or HU) & H	3	C	
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMP 201: Film: The Creative Process I (HU) OR FMP 261: Principles of Screenwriting	3	C	<ul style="list-style-type: none"> <li>• Students interested in the Film and Media Production concentration may apply for admission the semester they are completing the Film core. See Film and Media Production major map. For information on the interview process, visit: <b>Film and Media Production - Admission Requirements</b>.</li> </ul>
THF 220: Principles of Dramatic Analysis (L or HU)	3	C	
Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		

❗ Complete Mathematics (MA) requirement.
Complete First-Year Composition requirement.
Maintain 2.50 GPA in Theatre and Film courses.
Term hours subtotal: 16

- Minimum 3.00 Film Core GPA required for highly selective Film and Media Production concentration.
- Establish **career interests**.

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ FMP 201: Film: The Creative Process I (HU) OR FMP 261: Principles of Screenwriting	3	C	<ul style="list-style-type: none"> <li>• Students interested in the Film and Media Production concentration may apply for admission in the semester they are completing the Film core. See Film and Media Production major map. For information on the interview process, visit: <a href="#">Film and Media Production - Admission Requirements</a>.</li> <li>• Minimum 3.00 Film Core GPA required for highly selective Film and Media Production concentration.</li> <li>• Develop <b>soft skills</b>.</li> </ul>
Film Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
❗ Complete FMP 250 AND FMS 100 AND FMS 200 course(s).			
❗ Complete THF 160 AND THF 215 course(s).			
❗ Complete THF 220 course(s).			
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal: 16			

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FMP 300: Film Production: Filmmaking Practices OR Upper Division Screenwriting Course	3	C	<ul style="list-style-type: none"> <li>• Upper Division Related Study Elective: Course cannot be from FMP, THE or THP prefixes; must have "film" in the title.</li> <li>• Begin aligning your degree with your <b>career goals</b>.</li> </ul>
THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals OR THP 194: Understanding Acting OR THP 387: Screen Acting	3	C	
Film Elective	3	C	
Upper Division Related Study Elective	3	C	
Upper Division Elective	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal: 15			

Term 6 77 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FMP 380: Film Production Crew OR FMP 484: Internship	1	C	<ul style="list-style-type: none"> <li>• Students must take 2 credit hours of either FMP 380 Film Production Crew or FMP 484 Internship by the end of term 8 to meet this requirement.</li> </ul>
★ THF 397: Professional Development Seminar	1	C	
FMP 403: Independent Film (HU)	3	C	
Upper Division Screenwriting Course	3	C	
Producing Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Complete THF 101 OR THP 102 OR THP 194: Understanding Acting OR THP 387 course(s).			
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal: 14			

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ FMP 380: Film Production Crew OR FMP 484: Internship	1	C
★ THF 497: Senior Project	2	C
Complete 2 courses:		
Upper Division Film Elective	6	C
Screenwriting Course OR Film/Media Technology Course	3	C
Upper Division Elective	3	
Maintain 2.50 GPA in Theatre and Film courses.		
Term hours subtotal:	15	

- Students must take 2 credit hours of either FMP 380 Film Production Crew or FMP 484 Internship to satisfy the requirement.
- Start **networking**.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project	2	C	<ul style="list-style-type: none"> <li>• Upper Division Related Study Elective: Course cannot be from FMP, THE or THP prefixes; must have "film" in the title.</li> <li>• Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.</li> </ul>
Upper Division Film Elective	3	C	
Upper Division Related Study Elective	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Screenwriting Course Options	Producing Course Options	Film/Media Technology Course Options
FMP 361: Intermediate Screenwriting	FMP 300: Film Production: Filmmaking Practices	DCE 240: Media for Dance (CS)
FMP 365: Developing a Series	FMP 318: Directing for Film and Media I	DCE 438: Dance Theatre Performance/Production
FMP 465: Series Writers Workshop	FMP 330: Professional and Technical Writing for Film/TV Industry	FMP 220: Film and Media Post-Production I
FMP 475: Producing Series	FMP 335: Careers in Film and Media Industry	FMP 225: Introduction to Visual Effects
FMP 494: Writing the Feature	FMP 370: Producing for Film and Media	FMP 240: Introduction to Animation for Film
THP 394: Writing for Horror, SciFi, and Fantasy	FMP 417: Business and Legal Practices in Entertainment	FMP 280: Introduction to Film and Media Production
	FMP 418: Directing for Film and Media II	FMP 320: Film and Media Post-Production II
	FMP 494: Welcome to Hollywood	FMP 325: Guerilla VFX
	HDA 252: Foundations Arts and Design Entrepreneurship	FMP 345: Cinematography I
	THP 351: Arts Management	FMP 394: Documentary Production
		FMP 394: Non-Linear Editing for Film and Media
		THP 213: Introduction to Technical Theatre
		THP 214: Introduction to Costuming
		THP 330: Costume Design
		THP 340: Scene Design
		THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 442: Drawing

THP 444: Drafting for the Stage

THP 445: Advanced Lighting Design

THP 455: Advanced Media Design

THP 494: Art Direction

THP 494: Properties for the Stage

#### Film Electives

FMP 294: Special Topics

FMP 394: Special Topics

FMP 404: World Cinema (G)

FMP 405: Film and Television: Pioneers,  
Practices and Innovations (HU)

FMP 494: Special Topics

THE 406: American Multicultural Film (HU &  
C)

THE 421: Shakespeare: Stage and Film (L or  
HU)

THE 430: History of Fashion I (HU)

THE 431: History of Fashion II: 20th-Century  
Fashion

THP 452: Arts Entrepreneurship Seminar

THP 455: Advanced Media Design

FMP/THE/THP prefixes with "film" in course  
title

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map





### Graphic Design, BSD








School/College: Herberger Institute for Design and the Arts




Location: Tempe campus




ARGRABSD





Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Design majors complete DSC 100 to fulfill this requirement.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 GRA 101: Designing Life	3	C	
 GRA 111: Graphic Design History I (HU)	3	C	
 GRA 121: Principles for Graphic Design I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS) ( INT 121 recommended)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 112: Graphic Design History II	3	C	<ul style="list-style-type: none"> <li>• Graphic Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit <a href="#">this website</a>.</li> </ul>
 GRA 122: Principles for Graphic Design II	3	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 220: Design Drawing I	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 GRA 221: Letterform	3	C	
 GRA 222: Visual Communication I	3	C	
 GRA 225: Communication/Interaction Design Theory	3	C	
Literacy and Critical Inquiry (L)	3		
 Complete Mathematics (MA) requirement.			
 Milestone: Evaluation required.			
Complete First-Year Composition requirement.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 223: Typography	3	C	• Complete an in person or virtual <b>practice interview</b>
 GRA 224: Visual Communication II	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	2		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 321: Technology for Design I	3	C	• Develop your <b>skills</b>
 GRA 361: Visual Communication III	5	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 322: Technology for Design II	3	C	
 GRA 362: Visual Communication IV	5	C	
ARS 300: Introduction to Art (HU)	3	C	
GRA 345: Design Rhetoric (L)	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Summer 6 90 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 484: Internship	2	Y	
Term hours subtotal:	2		

Term 7 92 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 421: Exhibit Design	3	C	• Gather <b>professional references</b>
 GRA 422: Motion Graphics and Interaction Design	3	C	
 GRA 461: Visual Communication V	5	C	
Cultural Diversity in the U.S. (C)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 423: Advanced Interaction Design	3	C	
 GRA 424: Advanced Media	3	C	

★ GRA 462: Visual Communication VI	5	C
Elective	3	
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	14	

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 3.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map





### Industrial Design, BSD








School/College: Herberger Institute for Design and the Arts


Location: Tempe campus

ARINDBSD

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 DSC 101: Design Awareness (HU & G)	3	C	
 IND 120: Drawing for Industrial Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
PSY 101: Introduction to Psychology (SB)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IND 121: Principles for Industrial Design I	3	C	<ul style="list-style-type: none"> <li>• Industrial Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit <a href="#">this website</a>.</li> </ul>
 IND 122: Principles for Industrial Design II	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DSC 236: Introduction to Computer Modeling (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
 IND 227: Visual Methods for Problem Solving	3	C	
 IND 242: Materials and Design	3	C	
 IND 260: Industrial Design I	3	C	
ECN 212: Microeconomic Principles (SB)	3		
 Complete Mathematics (MA) requirement.			
 Milestone: Evaluation required.			
Complete First-Year Composition requirement.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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🚩 IND 228: Imaging and Visualization	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
🚩 IND 243: Design for Ecology and Social Equity	3	C	
🚩 IND 261: Industrial Design II	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 327: Presentation Graphics	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
★ IND 360: Industrial Design III	5	C	
IND 316: 20th-Century Design I (HU & H)	3	C	
IND 344: Human Factors in Design	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 328: Graphics for Industrial Design	3	C	<ul style="list-style-type: none"> <li>• Summer Internship: students complete an internship between terms 6 and 7.</li> </ul>
★ IND 361: Industrial Design IV	5	C	
IND 317: 20th-Century Design II (HU & H)	3	C	
IND 354: Principles of Product Design	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Summer 6 91 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 484: Internship	2	Y	
Term hours subtotal:		2	

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 460: Design Project I	5	C	<ul style="list-style-type: none"> <li>• Summer Internship: students complete the internship between terms 6 and 7.</li> <li>• Gather <b>professional references</b></li> </ul>
★ IND 470: Professional Practice for Industrial Design (L)	3	C	
MKT 395: Essentials of Advertising and Marketing Communication OR Upper Division Approved Marketing Course	3		
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 461: Design Project II	5	C	
ENG 301: Writing for the Professions (L)	3		
Cultural Diversity in the U.S. (C)	3		

Elective

2

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Minimum 3.00 GPA ASU Cumulative.

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Term hours subtotal: 13

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map







### Interior Design, BSD






School/College: Herberger Institute for Design and the Arts






Location: Tempe campus

ARINTBSD




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 INT 111: Interior Design Issues and Theories (HU)	3	C	
 INT 120: Design Fundamentals I	3	C	
 INT 121: Introduction to Computer Modeling for Interior Design (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 INT 123: Introduction to Computer-Aided Design and Building Information Modeling	3	C	<ul style="list-style-type: none"> <li>• Interior Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit <a href="#">this website</a>.</li> </ul>
 INT 131: Design and Human Behavior (SB)	3	C	
 INT 221: Principles of Design	3	C	
 INT 222: Design Fundamentals II Lecture	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		


Term 3 31 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 INT 223: Drafting for Interior Design	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 INT 261: Interior Design Studio I: Residential	3	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		
 Complete Mathematics (MA) requirement.			
 Milestone: Evaluation required. Complete First-Year Composition requirement.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 4 44 - 58 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 INT 253: Interior Materials, Finishes, and Specifications	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 INT 262: Interior Design Studio II: Hospitality	3	C	
 INT 341: Interior Codes: Public Welfare and Safety	2	C	
ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete PHY 101 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 58 - 73 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 INT 362: Interior Design Studio III: Hospitality and Retail	5	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
INT 310: History of Interior Design I (HU & H)	3	C	
INT 351: Ambient Environment	3	C	
INT 352: Construction Methods in Interior Design	3	C	
INT 381: Preinternship Seminar	1	Y	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 73 - 87 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 INT 363: Interior Design Studio IV	5	C	<ul style="list-style-type: none"> <li>• Summer Internship: students complete an internship between terms 6 and 7.</li> </ul>
INT 311: History of Interior Design II (HU & H)	3	C	
INT 354: Construction Documents	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Summer 6 87 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 INT 484: Internship	2	Y	
Term hours subtotal:	2		

Term 7 89 - 104 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 INT 464: Interior Design Studio V: Work Environments	5	C	<ul style="list-style-type: none"> <li>• Summer Internship: students complete an internship between terms 6 and 7.</li> <li>• Gather <b>professional references</b>.</li> </ul>
INT 415: Latin American Design	3	C	
INT 471: Facilities Management	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 104 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ INT 465: Interior Design Studio VI: Institutional Design	5	C
INT 472: Professional Practice for Interior Design	2	C
Upper Division Literacy and Critical Inquiry (L)	3	
Global Awareness (G)	3	
Elective	3	
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	16	

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 3.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Landscape Architecture, BSLA






School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

ARPLABSLA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 ALA 121: Design Fundamentals I	3	C	
 DSC 100: ASU Design Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	<ul style="list-style-type: none"> <li>• Landscape Architecture majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit <a href="#">this website</a>.</li> </ul>
 ALA 122: Design Fundamentals II	3	C	
 ALA 124: Design Fundamentals II Lecture	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ALA 235: Introduction to Computer Modeling (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
 LDE 261: Landscape Architecture Design Fundamentals III	4	C	
GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	4		
LPH 310: History of Landscape Architecture (HU & H)	3	C	
 Complete Mathematics (MA) requirement.			
 Milestone: Evaluation required. Complete First-Year Composition requirement. Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ LAP 254: Plant Materials	3	C	• Complete an in-person or virtual <b>practice interview</b> .
⚠ LDE 262: Landscape Architecture Design Fundamentals IV	4	C	
LPH 311: 20th-Century Landscape Architecture (HU)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
⚠ Complete GPH 111 AND GPH 112 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LDE 361: Landscape Architecture I	5	C	• Develop your <b>skills</b> .
★ LDE 363: Landscape Planting Design	3	C	
★ LTC 343: Landscape Construction I	3	C	
LAP 352: Ecosystems and Sustainable Design	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LAA 345: Professional Practice Seminar	1	C	• Summer experience: Students complete LAP 484: Internship (optional) or LAP 485: International Field Studies with a passing grade in the summer between terms 6 and 7.
★ LDE 362: Landscape Architecture II	5	C	
★ LTC 344: Landscape Construction II	3	C	
LAP 332: GIS Applications in Environmental Design	3	C	
Upper Division Design Professional Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Summer 6 89 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LAP 484: Internship OR LAP 485: International Field Studies	2	Y	
Term hours subtotal:	2		
Term 7 91 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LDE 461: Landscape Architecture III	5	C	• Gather <b>professional references</b> .
LPH 411: Landscape Architecture Theory and Criticism (L)	3	C	
Upper Division Design Professional Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Complete LAP 484 OR LAP 485 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes



★ LDE 462: Landscape Architecture IV	5	C
★ LTC 446: Landscape Construction III	3	C
Complete 2 courses: Elective	7	
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

Hide Course List(s)/Track Group(s)

Design Professional Elective

ADE OR ANP OR APH OR DSC OR GRA  
OR IND OR INT OR LAP OR LDE OR LPH  
OR LTC Upper Division Elective

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 3.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map





### Music, BA




School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

FAMUSBA

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: The ASU School of Music Experience is required of all freshman music majors.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list for MUP 4** Music Ensemble options.</li> <li>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	17		

Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list for MUP 4** Music Ensemble options.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101 level courses. All other students are required to take a</li> </ul>
 4** MUP Music Ensemble	1	C	

MTC 222: Music Theory: 19th Century	3	C
MUP 231: Class Piano	1	C
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4	
Natural Science - Quantitative (SQ)	4	
❖ Complete Mathematics (MA) requirement.		
❖ Complete MUP 131 by end of term 3.		
Complete First-Year Composition requirement.		
Term hours subtotal:	15	

placement exam, regardless of prior credit earned.

- Second Language: Consult with advisor for approved list. It is recommended for Second Language 101 and 102 to be completed by the end of term 4.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list for MUP 4\*\* Music Ensemble options.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• ASU Language Placement: Only true beginners are eligible for 101 level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list for MUP 4** Music Ensemble options.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> <li>• Select a faculty mentor to guide your degree work.</li> </ul>
❖ 4** MUP Music Ensemble	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❖ Complete MUP 132 by end of term 4.			
Complete Second Language 101 and 102 by end of term 4.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• Courses offered in fall semester only: MHL 341, MTC 320 (odd numbered fall semesters only).</li> </ul>
MTC 320: Modal Counterpoint OR MTC 321: Tonal Counterpoint	2	C	
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4		
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3		
Literacy and Critical Inquiry (L)	3		
★ Complete MUP 231 by end of term 5.			
Term hours subtotal:	15		

Term 6 78 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	<ul style="list-style-type: none"> <li>• Courses offered in spring semester only: MHL 342, MTC 321 (even numbered spring semesters only).</li> </ul>

★ Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	3	C
Upper Division Elective OR MDC 484: Internship OR MHL 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Complete MTC 320 OR MTC 321 by end of term 6.		
★ Complete MUP 232 by end of term 6.		
Complete Second Language 201 and 202 by end of term 6.		
Term hours subtotal:	13	

- Gather a list of **professional references**.

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 422: Musical Acoustics	3	C	<ul style="list-style-type: none"> <li>• Courses offered in fall semester only: MTC 422.</li> <li>• MHL 440 is offered in fall only and MHL 439 is offered in spring only.</li> </ul>
Upper Division ( MHL 439 OR MHL 440 recommended) MHL course (L)	3	C	
MHL OR MTC Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	3	C	
Elective	2		
Term hours subtotal:	14		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: MHL OR MTC Upper Division Elective	6	C	<ul style="list-style-type: none"> <li>• Complete capstone project.</li> </ul>
MHL Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

MUP Music Ensembles Course List
MUP 442: Instrumental Ensembles
MUP 443: Choral Ensembles
MUP 444: Concert Band
MUP 450: Choral Union
MUP 455: Arizona Statesmen
MUP 457: Women's Chorus
MUP 458: ASU Gospel Choir

MUP 479: Chamber Music Ensembles

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MUP 485: Percussion Ensemble

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MUP 486: Jazz Band

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MUP 489: Ethnomusicology Ensembles

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Music (Music and Culture), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIMUSMCBA

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: The ASU School of Music Experience is required of all freshman music majors.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in fall semester only: MTC 125, MUP 131, MUP 101.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• See course list for MUP 4** Music Ensemble course options.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MHL 140: Sounds and Culture (HU & G)	3	C	
 MTC 125: Basic Music Theory	3	C	
 MUP 101: The ASU School of Music Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MUP 111: Studio Instruction OR Elective	2	C	
MUP 131: Class Piano	1	C	
4** MUP Music Ensemble	1	C	
Mathematics (MA)	3		
Term hours subtotal:	17		
Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MTC 221: Music Theory: 18th Century	3	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• MHL 499: Individualized study is done by arrangement with a musicology faculty member</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 499: Individualized Instruction	1	C	
MUP 111: Studio Instruction OR Elective	2	C	
MUP 132: Class Piano	1	C	
4** MUP Music Ensemble	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 33 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MHL 499: Individualized Instruction	1	C	<ul style="list-style-type: none"> <li>• Second Language: Consult with advisor for approved list. It is recommended for Second</li> </ul>
 MTC 222: Music Theory: 19th Century	3	C	

MUP 111: Studio Instruction OR Elective	2	C
4** MUP Music Ensemble	1	C
MUP 231: Class Piano OR MUP Elective	1	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course through the intermediate level (202 or equivalent).	4	
Natural Science - Quantitative (SQ)	4	
❖ Complete Mathematics (MA) requirement.		
❖ Complete MUP 131 by end of term 3.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

Language 101 and 102 to be completed by the end of term 4.

- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- MHL 499: Individualized study done by arrangement with a musicology faculty member.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 49 - 65 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MHL 499: Individualized Instruction	1	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• MHL 499: Individualized study done by arrangement with a musicology faculty member.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> <li>• Select a faculty mentor to guide your degree work.</li> </ul>
❖ MTC 223: Music Theory: 20th Century	3	C	
MUP 111: Studio Instruction OR Elective	2	C	
4** MUP Music Ensemble	1	C	
MUP 232: Class Piano OR MUP Elective	1	C	
Second Language: Requirement satisfied through the following:			
* Completion of a language course through the intermediate level (202 or equivalent).	4		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❖ Complete MUP 132 by end of term 4.			
❖ Complete Second Language 101 and 102 by end of term 4.			
❖ Milestone: Rising Junior Milestone Interview			
Term hours subtotal:	16		

Term 5 65 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• MHL 339: Individualized bibliography study with instructor of MHL 341 and MHL 499: Individualized study by arrangement with a musicology faculty member.</li> <li>• Courses offered in fall semester only: MHL 341.</li> </ul>
MHL 339: Undergraduate Bibliography I	1	C	
MHL 499: Individualized Instruction	1	C	
Second Language: Requirement satisfied through the following:			
* Completion of a language course through the intermediate level (202 or equivalent).	4		
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3		
Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR MTC Upper Division Elective	2	C	
Complete Second Language 201 and 202 by end of term 6.			
Term hours subtotal:	17		

Term 6 82 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	<ul style="list-style-type: none"> <li>• MHL 340: Individualized bibliography study with instructor of MHL 342 and MHL</li> </ul>

★ Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4	
MHL 340: Undergraduate Bibliography II	1	C
MHL 499: Individualized Instruction	1	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Upper Division Elective OR MTC Upper Division Elective	2	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	14	

- 499: Individualized study by arrangement with a musicology faculty member.
- Courses offered in spring semester only: MHL 342.
  - Gather a list of **professional references**.

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 490: Capstone Project I: Undergraduate Thesis Research OR MHL 492: Honors Directed Study	3	C	<ul style="list-style-type: none"> <li>• MHL 490 or 492: Culminating original research project conducted with supervision of musicology faculty.</li> </ul>
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR MHL 484: Internship OR MDC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	12		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 491: Capstone Project II: Undergraduate Thesis OR MHL 493: Honors Thesis (L)	3	C	<ul style="list-style-type: none"> <li>• MHL 491 or 493: Culminating original research project conducted with supervision of musicology faculty.</li> <li>• Complete capstone project.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

MUP Music Ensembles Course List
MUP 442: Instrumental Ensembles
MUP 443: Choral Ensembles
MUP 444: Concert Band
MUP 450: Choral Union
MUP 455: Arizona Statesmen
MUP 457: Women's Chorus
MUP 458: ASU Gospel Choir
MUP 479: Chamber Music Ensembles
MUP 485: Percussion Ensemble
MUP 486: Jazz Band



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MUP 489: Ethnomusicology Ensembles

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map








### Music Education, BMUS



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSEBM

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUE 101: The ASU School of Music Experience required of all freshman music education majors.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• MUP 131: Class Piano must be taken rather than MUP 133: Class Voice unless piano is primary instrument.</li> <li>• Students may use up to 2 semesters of MUP 461: Marching and Athletic Bands towards degree (optional).</li> <li>• Courses offered fall semester only: MTC 125, MUE 101, MUP 131, MUP 133.</li> <li>• Complete <b>resume</b> in MUE 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MTC 125: Basic Music Theory	3	C	
 MUE 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MUP 131: Class Piano OR MUP 133: Class Voice	1	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MTC 221: Music Theory: 18th Century	3	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Students are expected to perform in at least one large ensemble in semesters 1-4.</li> <li>• Courses offered in spring semester only: MTC 221, MUE 110, MUE 154, MUP 132, MUP 134.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUE 110: Introduction to Music Education	2	C	
 MUE 154: Gesture and Sound	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MUP 132: Class Piano OR MUP 134: Class Voice	1	C	
Mathematics (MA)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MTC 222: Music Theory: 19th Century	3	C	

❖ MUP 111: Studio Instruction	2	C
❖ MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C
❖ Complete 2 courses: Upper Division MUE 3** : Lab Course	4	C
MHL 201: Media Literacy for Musicians (CS)	3	C
Natural Science - Quantitative (SQ)	4	
❖ Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.		
Term hours subtotal:	17	

- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- For iTeachAZ, apply for **DPS IVP fingerprint clearance card**.
- Refer to course list and consult with faculty mentor regarding MUE 3\*\* : Lab Course selection. MUE 319 Digital and Hybrid Lab is required (can be taken during Term 3 or Term 4).
- Courses offered in fall semester only: MTC 222.
- Talk to your studio instructor about ways to enhance your performance skills; participate in at least two large ensemble performances.

Term 4 47 - 64 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ MTC 223: Music Theory: 20th Century	3	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Teachers College requirement: Complete the Intent to Progress form (meet with major advisor to complete this form).</li> <li>• Teachers College requirement: Submit copy of DPS IVP fingerprint clearance card to Teachers College (Farmer 120) or upload copy to Intent to Progress form.</li> <li>• Teachers College requirement: Attend Teachers College Enrollment Workshop.</li> <li>• GCU 113 meets US and AZ Constitution requirements for teaching certification.</li> <li>• Refer to course list and consult with faculty mentor regarding MUE 3** : Lab Course selection. MUE 319 Digital and Hybrid Lab is required (can be taken during Term 3 or Term 4).</li> <li>• Courses offered in spring semester only: MTC 223, MUE 321.</li> <li>• Create and continue to add to a professional online portfolio.</li> </ul>
❖ MUP 111: Studio Instruction	2	C	
❖ MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
❖ Complete 2 courses: Upper Division MUE 3** : Lab Course	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3		
Milestone: All Music Education students must audition with Music Education Faculty during this term.			
Milestone: All Music Education students must successfully complete the milestone for iTeachAZ Professional Program this semester.			
Term hours subtotal:	17		

Term 5 64 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• Refer to course list and consult with faculty mentor regarding MUE 4** : Art of Teaching course selection.</li> <li>• Students are expected to perform in at least one large ensemble in semesters 5-7.</li> <li>• Courses offered in fall semester only: MHL 341, MUE 481.</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
★ MUP 311: Studio Instruction	2	C	
★ SED 396: Clinical Experience I	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
TEL 315: Child and Adolescent Development (L or SB)	3	C	
Upper Division MUE 4** : The Art of Teaching course	4	B	
Term hours subtotal:	14		

		<b>Minimum</b>	
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Term 6 78 - 94 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ MHL 342: Music History II (HU)	3	C	<ul style="list-style-type: none"> <li>Refer to course list and consult with faculty mentor regarding MUE 4**: Art of Teaching course selection.</li> <li>Courses offered in spring semester only: MHL 342, MUE 480, MUE 482.</li> <li>Complete <b>internships</b> at two different schools.</li> </ul>
★ MUP 311: Studio Instruction	2	C	
★ SED 397: Clinical Experience II	1	C	
MUE 161: Introduction to Music Therapy	2	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
Upper Division MUE 4**: The Art of Teaching course	4	B	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		16	

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>Refer to course list and consult with faculty mentor regarding MUE 4**: Art of Teaching course selection.</li> </ul>
★ SED 496: Clinical Experience III	1	C	
BLE 407: SEI for Secondary Students (L)	3	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
MUP 495: Performance	0	C	
Upper Division MUE 4**: The Art of Teaching course	4	B	
Elective	3		
Term hours subtotal:		14	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>Take the AEPA/NES Professional Knowledge Test in term 8 (secondary recommended; necessary for teacher certification).</li> <li>Complete student teaching and state teachers examination.</li> </ul>
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

The Art of Teaching course list: Choose 3 courses (12 hours)	MUE Lab course list: Choose 4 courses (8 hours)
MUE 413: The Art of Teaching Children Music	Required:
MUE 415: The Art of Teaching Contemporary Musicians	MUE 319: Digital and Hybrid Lab
MUE 480: The Art of Teaching Choral Musicians	Choose 3 additional courses:
MUE 481: The Art of Teaching Beginning Instrumentalists	MUE 317: Strings Lab
	MUE 321: Jazz Lab
	MUE 323: Keyboard Lab
	MUE 325: Voice/Choral Lab

MUE 482: The Art of Teaching Advanced  
Instrumentalists

MUE 327: Brass Lab

MUE 334: Guitar Lab

MUE 336: Percussion Lab

MUE 337: Woodwinds Lab

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Music Therapy, BMUS



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSTHBM

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• MUE 101: ASU School of Music Experience is required of all freshman music therapy majors.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list below for MUP 4** Music Ensemble course options. Students should complete 4 large ensembles and 2 small ensembles.</li> <li>• For statistics, students may choose PSY 230 or STP 226; if students choose PSY 230, they must complete MAT 119 or higher for Mathematics (MA) requirement.</li> <li>• Courses offered in fall semester only: MTC 125, MUE 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUE 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUE 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUE 335: Educational Methods for Guitar	1	C	
MUP 131: Class Piano	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
Mathematics (MA)	3	C	
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list below for MUP 4** Music Ensemble course options.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
PSY 101: Introduction to Psychology (SB)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUE 161: Introduction to Music Therapy	2	C	

❖ MUE 162: Introduction to Music Therapy Lab	1	C
❖ MUP 111: Studio Instruction	2	C
CDE 232: Human Development (SB)	3	
MTC 222: Music Theory: 19th Century	3	C
MUP 133: Class Voice	1	C
MUP 231: Class Piano	1	C
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C
SOC 101: Introductory Sociology (SB)	3	
❖ Complete Mathematics (MA) requirement.		
❖ Complete MTC 125 AND MUP 131.		
Complete First-Year Composition requirement.		
Term hours subtotal:	17	

- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list below for MUP 4\*\* Music Ensemble course options.
- Courses offered in fall semester only: MTC 222, MUE 162, MUP 133, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills; participate in at least two large ensemble performances.

Term 4 48 - 64 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MUE 261: Music Therapy Treatment Process	3	C	
❖ MUP 111: Studio Instruction	2	C	
MTC 223: Music Theory: 20th Century	3	C	
MUE 260: Repertoire for Music Therapy	2	C	
MUP 134: Class Voice	1	C	
MUP 232: Class Piano	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3		
❖ Complete MTC 221 AND MUP 132.			
Term hours subtotal:	16		

- Students must pass a jury in term 4 to be eligible for MUP 311.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list below for MUP 4\*\* Music Ensemble course options.
- Courses offered in spring semester only: MTC 223, MUE 260, MUE 261, MUP 134, MUP 232.
- Participate in clinical work at ASU's Music Therapy Clinic.

Term 5 64 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUE 384: Music Therapy Practicum I	1	C	
★ MUE 467: Music Therapy Theory and Practice I	3	C	
MHL 341: Music History I (HU)	3	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		
PSY 366: Abnormal Psychology (SB)	3		
Upper Division Advanced Performance Course	1-2	C	
★ Complete MTC 222 AND MUP 231.			
Term hours subtotal:	16-17		

- A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list below for options.
- See course list below for MUP 4\*\* Music Ensemble course options.
- Courses offered in fall semester only: MHL 341, MUE 467.
- Gather a list of professional references.

Term 6 80 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUE 385: Music Therapy Practicum II	1	C	

★ MUE 463: Music Therapy Theory and Practice II	3	C
MHL 342: Music History II (HU)	3	C
MUE 381: Music Therapy Research (L)	3	C
MUE 434: Health Rhythms Drum Facilitation	2	C
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C
Upper Division Advanced Performance Course	1-2	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Complete MTC 223 AND MUP 232.		
Term hours subtotal:	14-15	

- A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list below for options.
- See course list below for MUP 4\*\* Music Ensemble course options.
- Courses offered in spring semester only: MHL 342, MUE 381, MUE 463.
- Complete two clinical experiences.

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MUE 386: Music Therapy Practicum III	2	C
BIO 160: Introduction to Anatomy and Physiology (SQ)	4	
MUE 441: Psychology of Music	3	C
MUE 475: Group Process and Music Therapy	3	C
Upper Division Advanced Performance Course	1-2	C
Term hours subtotal:	13-14	

- A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list below for options.
- Courses offered in fall semester only: MUE 441, MUE 475.

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MUE 387: Music Therapy Practicum IV	2	C
★ MUE 476: Internship in Music Therapy	1	C
Upper Division Advanced Performance Course	1-2	C
DCE Elective	2	
Upper Division Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	13-14	

- A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list below for options.
- Complete clinical experiences and apply for a formal internship.
- Students register for MUE 476 (6-month internship) in the last semester and complete it after finishing all coursework for the degree. Degree is posted after completion of all requirements and the internship.

Hide Course List(s)/Track Group(s)

Advanced Performance Course List	4** MUP Music Ensembles Course List
MUP 311: Studio Instruction	MUP 442: Instrumental Ensembles
MUP 321: Studio Instruction	MUP 443: Choral Ensembles
MUP 417: Applied Jazz Improvisation	MUP 458: ASU Gospel Choir
MUP 479: Piano Ensemble	MUP 479: Chamber Music Ensembles
MUP 485: Percussion Ensemble	MUP 486: Jazz Band



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MUP 489: Ethnomusicology Ensembles

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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map






### Performance (Collaborative Piano), BMUS





School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPPBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: The ASU School of Music Experience is required of all freshman music majors.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered fall semester only: MTC 125, MUP 101.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 479: Piano Ensemble	1	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
Mathematics (MA)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 479: Piano Ensemble	1	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years.</li> </ul>
 MUP 250: Diction for Singers	1	C	
 MUP 479: Piano Ensemble	1	C	
MTC 222: Music Theory: 19th Century	3	C	
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3		
Natural Science - Quantitative (SQ)	4		

❖ Complete Mathematics (MA) requirement.

❖ Complete MTC 125 by end of term 3.

Complete First-Year Composition requirement.

Term hours subtotal: 16

- MUP 250 Italian Diction is offered in odd numbered fall semesters only.
- MUP 250 German Diction is offered in even numbered spring semesters only.
- MUP 250 French Diction is offered in even numbered fall semesters only.
- Courses offered in fall semester only: MTC 222.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 47 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Audition is required after term 4 to continue into MUP 337: Collaborative Piano Studio.</li> <li>• Courses offered in spring semester only: MTC 223.</li> </ul>
MTC 223: Music Theory: 20th Century	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❖ Complete MTC 221 by end of term 4.			
Term hours subtotal:	14		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 495: Performance	0	Y	<ul style="list-style-type: none"> <li>• Courses offered in fall semester only: MHL 341, MUP 210.</li> </ul>
MHL 341: Music History I (HU)	3	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
★ Complete MTC 222 by end of term 5.			
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 495: Performance	0	Y	<ul style="list-style-type: none"> <li>• MUP 453 offered in odd spring semesters only.</li> <li>• MTC 428 and MUP 451: Piano Chamber Music offered in odd numbered spring semesters only.</li> <li>• Courses offered in spring semester only: MHL 342.</li> <li>• Certain studios may require an additional semester of repertoire; please check with your studio professor.</li> <li>• Gather a list of professional references.</li> </ul>
MHL 342: Music History II (HU)	3	C	
MTC 428: Advanced form and Analysis	3	C	
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	
MUP 451: Piano Chamber Music	2	C	
MUP 453: Art Song Repertoire OR MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	2	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

★ Complete MTC 223 by end of term 6.

★ Complete MUP 209 OR MUP 210 by end of term 6.

Term hours subtotal: 15

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 496: Performance	0	Y	• Prepare, publicize, and present a public performance.
Upper Division ( MHL 440 recommended) MHL course (L)	3	C	
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	
MUP 487: Collaborative Piano	1	C	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE OR MDC Elective	3	C	
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes	
★ MUP 496: Performance	0	Y	• MUP 453 offered in odd spring semesters only.	
MUP 311: Studio Instruction	2	C		
MUP 337: Studio Instruction: Collaborative Piano	2	C		
MUP 388: Collaborative Piano	1	C		
MUP 453: Art Song Repertoire OR MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	2	C		
Complete 2 courses: MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	4	C		
Elective OR MDC 484: Internship OR MHL 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3			
Term hours subtotal:	14			

Hide Course List(s)/Track Group(s)

- MUP 4\*\* Ensembles Course List
- MUP 443: Choral Ensembles
- MUP 450: Choral Union
- MUP 455: Arizona Statesmen
- MUP 457: Women's Chorus
- MUP 479: Chamber Music Ensembles
- MUP 485: Percussion Ensemble
- MUP 486: Jazz Band
- MUP 489: Ethnomusicology Ensembles

Total Hours: 120

General University Requirements Legend

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition







General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map Performance (Guitar), BMUS




School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

FAMUSPGBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement.</li> <li>• MUP 101: The ASU School of Music Experience required of all freshman music majors.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 479: Guitar Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 479: Guitar Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> </ul>
 MUP 479: Guitar Ensemble	1	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 231: Class Piano	1	C	
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3		

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

◆ Complete Mathematics (MA) requirement.

◆ Complete MTC 125 AND MUP 131 course(s).

Complete First-Year Composition requirement.

Term hours subtotal: 15

- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 46 - 61 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• For Music Elective options, please refer to Recommended Music Electives list.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> </ul>
◆ MUP 479: Guitar Ensemble	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
MHL OR MTC OR MUP OR MUE OR MDC Elective	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
◆ Complete MTC 221 AND MUP 132 course(s).			
Term hours subtotal:	15		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• One semester of counterpoint is required. Choose from MTC 320 (modal - odd fall semesters) or MTC 321 (tonal - even spring semesters). Complete by end of term 6.</li> <li>• Courses offered in fall semester only: MHL 341, MTC 320 (odd numbered fall semesters only), MUP 210.</li> </ul>
★ MUP 327: Studio Instruction	4	C	
★ MUP 479: Guitar Ensemble	1	C	
MTC 320: Modal Counterpoint OR MTC 321: Tonal Counterpoint	2	C	
MUP 210: Beginning Instrumental Conducting OR MUP 209: Beginning Choral Conducting	1	C	
Natural Science - Quantitative (SQ)	4		
★ Complete MTC 222 AND MUP 231 course(s).			
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	<ul style="list-style-type: none"> <li>• Courses offered in spring semester only: MHL 342, MTC 321 (even numbered spring semesters only).</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
★ MUP 327: Studio Instruction	4	C	
★ MUP 479: Guitar Ensemble	1	C	
★ MUP 495: Performance	0	Y	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Complete MTC 223 AND MUP 232 course(s).			
★ Complete MTC 320 OR MTC 321.			
Term hours subtotal:	15		

Term 7 91 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• For Music Elective options, please refer to Recommended Music Electives list.</li> <li>• MHL 440 is offered in fall only and MHL 439 is offered in spring only.</li> <li>• Prepare, publicize, and present a public performance.</li> </ul>
★ MUP 479: Guitar Ensemble	1	C	
MUP 481: Performance Pedagogy and Materials	2	C	
Upper Division ( MHL 439 OR MHL 440 recommended) MHL course (L)	3	C	
Complete 2 courses:			
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	6	C	
Term hours subtotal:	16		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• For Music Elective options, please refer to Recommended Music Electives list.</li> </ul>
★ MUP 479: Guitar Ensemble	1	C	
★ MUP 496: Performance	0	Y	
MUP 451: Repertoire	2	C	
MHL OR MTC OR MUP OR MUE OR MDC Elective	3	C	
Elective OR MDC 484: Internship OR MHL 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

Recommended Music Electives
MHL 201: Media Literacy for Musicians (CS)
MHL 439: Topics in 19th-Century Music (L & H)
MHL 440: Topics in 20th-Century Music (L or HU)
MUP 340: Intermediate Conducting
MUP 451: Repertoire

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:



- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition









General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map Performance (Jazz), BMUS





School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPJBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.</li> <li>• MUP 101: The ASU School of Music Experience is required of all freshman music majors.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 117: Applied Jazz Improvisation	1	C	
 MUP 479: Jazz Combo	1	C	
 MUP 479: Jazz Studio Classes	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	16		

Term 2 16 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221, MTC 440, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 117: Applied Jazz Improvisation	1	C	
 MUP 479: Jazz Combo	1	C	
 MUP 479: Jazz Studio Classes	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MTC 440: Jazz Theory and Ear Training	2	C	
MUP 132: Class Piano	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 33 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> </ul>
 MUP 217: Applied Jazz Improvisation	2	C	
 MUP 479: Jazz Combo	1	C	

❗ MUP 479: Jazz Studio Classes	1	C
MTC 222: Music Theory: 19th Century	3	C
MUP 235: Jazz Piano	1	C
Natural Science - Quantitative (SQ)	4	
❗ Complete Mathematics (MA) requirement.		
❗ Complete MTC 125 AND MUP 131.		
Complete First-Year Composition requirement.		
Term hours subtotal:	14	

- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 235.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 47 - 64 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 236.</li> </ul>
❗ MUP 217: Applied Jazz Improvisation	2	C	
❗ MUP 479: Jazz Combo	1	C	
❗ MUP 479: Jazz Studio Classes	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 236: Jazz Piano	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❗ Complete MTC 221 AND MUP 132.			
Term hours subtotal:	17		

Term 5 64 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• Courses offered in fall semester only: MHL 341, MTC 315.</li> </ul>
★ MUP 311: Studio Instruction	2	C	
★ MUP 417: Applied Jazz Improvisation	2	C	
MTC 315: Modern Arranging I	2	C	
MUP 479: Jazz Combo	1	C	
MHL OR MTC OR MUP OR MUE OR MDC Elective	3	C	
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3		
★ Complete MTC 222 AND MUP 235 course(s).			
Term hours subtotal:	16		

Term 6 80 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	<ul style="list-style-type: none"> <li>• Courses offered in spring semester only: MHL 342, MTC 316, MUP 319.</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
★ MUP 311: Studio Instruction	2	C	
★ MUP 417: Applied Jazz Improvisation	2	C	
★ MUP 495: Performance	0	Y	
MTC 316: Modern Arranging II	2	C	
MUP 319: Advanced Audio Engineering in the Arts	2	C	
MUP 479: Jazz Combo	1	C	
Literacy and Critical Inquiry (L)	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Complete MTC 223 AND MUP 236 course(s).

Term hours subtotal: 15

Term 7 95 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>MHL 440 is offered in fall only and MHL 439 is offered in spring only.</li> <li>Prepare, publicize, and present a public performance.</li> </ul>
MUP 486: Jazz Band	1	C	
Upper Division ( MHL 439 OR MHL 440 recommended) MHL course (L)	3	C	
MHL OR MTC OR MUP OR MUE OR MDC Elective	3	C	
Elective OR MDC 484: Internship OR MHL 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	12		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>Course offered in spring semester only: MTC 441.</li> </ul>
★ MUP 495: Performance	0	Y	
MTC 441: Jazz Composition	2	C	
MUP 486: Jazz Band	1	C	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	2	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.














## 2019 - 2020 Major Map

### Performance (Keyboard), BMUS

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPKBM

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Freshman music majors take MUP 101: The ASU School of Music Experience.</li> <li>• For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass and one semester of MUP 460: The Visiting Quartet Residency Program. Students receiving Music Scholarships should register for MUP 487 in Term 1.</li> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in fall semester only: MTC 125, MUP 101.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 4** Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
Mathematics (MA)	3		
Term hours subtotal:	15		
<hr/>			
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program.</li> <li>• Course offered in spring semester only: MTC 221.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 4** Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
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Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on</li> </ul>
 MUP 4** Ensemble	1	C	

MTC 222: Music Theory: 19th Century	3	C
Computer/Statistics/Quantitative Applications (CS) (MHL 201 recommended)	3	
Natural Science - Quantitative (SQ)	4	
❖ Complete Mathematics (MA) requirement.		
❖ Complete MTC 125.		
Complete First-Year Composition requirement.		
Term hours subtotal:	15	

successful completion of audition and review of transcripts.

- For MUP 4\*\* Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by the end of term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 47 - 62 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program.</li> <li>• Course offered in spring semester only: MTC 223.</li> </ul>
❖ MUP 4** Ensemble	1	C	
MTC 223: Music Theory: 20th Century	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❖ Complete MTC 221.			
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• <b>Pedagogy and Repertoire:</b> Students must complete MUP 451 Piano Lit I, MUP 451 Piano Lit II, and MUP 481 Piano Beginner to complete this requirement. Courses can be taken in any order.</li> <li>• <b>Students who enter in an odd catalog year will take the courses in this sequence:</b> MUP 451 Piano Lit I (odd fall, term 5), MUP 451 Piano Lit II (even spring, term 6), MUP 481 Piano Beginner (even fall, term 7).</li> <li>• <b>Students who enter in an even catalog year will take the courses in this sequence:</b> MUP 481 Piano Beginner (even fall, term 5), MUP 451 Piano Lit I (odd fall, term 7), MUP 451 Piano Lit II (even spring, term 8).</li> <li>• Courses offered in fall semester only: MHL 341, MTC 425, MUP 210, MUP 487.</li> </ul>
★ MUP 327: Studio Instruction	4	C	
MTC 425: Studies in 20th-Century Theory	3	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
MUP 451: Piano Lit I OR MUP 481: Piano: Beginner	2	C	
MUP 479: Piano Ensemble	1	C	
MUP 487: Collaborative Piano	1	C	
★ Complete MTC 222.			
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	

★ MUP 327: Studio Instruction	4	C
★ MUP 495: Performance	0	Y
MUP 121: Organ OR MUP 121: Harpsichord	1	C
MUP 440: Keyboard Harmony	1	C
MUP 451: Piano Lit II OR MDC OR MHL OR MTC OR MUE OR MUP Upper Division Elective	2	C
MUP 479: Piano Ensemble	1	C
MDC OR MHL OR MTC OR MUE OR MUP Elective	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Complete MTC 223.		
★ Complete MUP 209 OR MUP 210.		
Term hours subtotal:	15	

- MUP 451 Piano Chamber Music (odd springs) and/or MUP 482 Intermediate (odd springs) recommended for upper division music elective.
- MUP 451 Piano Lit II is offered in even springs.
- Courses offered in spring semester only: MHL 342, MUP 440 (odd numbered spring semesters only).
- Gather a list of **professional references**.

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MUP 327: Studio Instruction	4	C
MHL 440: Topics in 20th-Century Music (L or HU)	3	C
MUP 451: Piano Lit I OR MUP 481: Piano: Beginner	2	C
MUP 487: Collaborative Piano	1	C
MDC OR MHL OR MTC OR MUE OR MUP Elective	3	C
Term hours subtotal:	13	

- MUP 451 Piano Lit I is offered in odd-numbered fall semesters.
- MUP 481 Piano Beginner is offered in even-numbered fall semesters.
- Courses offered in fall semester only: MHL 440, MUP 487.
- Prepare, publicize, and present a public performance.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MUP 327: Studio Instruction	4	C
★ MUP 496: Performance	0	Y
MUP 451: Piano Lit II OR MDC OR MHL OR MTC OR MUE OR MUP Upper Division Elective	2	C
MHL Upper Division Elective	3	C
MDC OR MHL OR MTC OR MUE OR MUP Upper Division Elective	3	C
Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	15	

- MUP 451 Piano Chamber Music (odd spring semesters) and/or MUP 482 Intermediate (odd spring semesters) recommended for upper division music elective.
- MUP 451 Piano Lit II is offered in even spring semesters.

Hide Course List(s)/Track Group(s)

MUP 4** Ensembles Course List
MUP 443: Choral Ensembles
MUP 450: Choral Union
MUP 455: Arizona Statesmen
MUP 457: Women's Chorus
MUP 460: The Visiting Quartet Residency Program



MUP 479: Chamber Music Ensembles , Piano  
Ensemble , Piano/String/Woodwind/Brass

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MUP 485: Percussion Ensemble

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MUP 486: Jazz Band

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MUP 487: Collaborative Piano

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MUP 489: Ethnomusicology Ensembles

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Performance (Music Theatre), BMUS

School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

FAMUSPMBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. All freshman music majors take MUP 101: The ASU School of Music Experience to satisfy the First Year Seminar requirement.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Music Theatre I - VIII must be taken in sequence in the semesters indicated.</li> <li>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131, MUP 170.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 170: Music Theatre I	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
MUP 467: Music Theatre Dance Technique	1	C	
Mathematics (MA)	3		
Term hours subtotal:	16		
Term 2 16 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132, MUP 172.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 172: Music Theatre II	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
MUP 467: Music Theatre Dance Technique	1	C	
THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	18		
Term 3 34 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❖ MUP 111: Studio Instruction	2	C
❖ MUP 270: Music Theatre III	2	C
❖ MUP 373: Music Theatre Performance and Production	1	C
❖ MUP 374: Technical Production I (Foundations)	1	C
❖ DCE Movement Elective	2	C
MTC 222: Music Theory: 19th Century	3	C
MUP 231: Class Piano	1	C
Literacy and Critical Inquiry (L)	3	
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

- Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.
- MUP 373: Music Theatre majors must audition for all productions, obtain permission to participate in off-campus productions, and complete 10 technical hours per semester.
- DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 231, MUP 270.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 49 - 64 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• MUP 373: Music Theatre majors must audition for all productions, obtain permission to participate in off-campus productions, and complete 10 technical hours per semester.</li> <li>• DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 272.</li> </ul>
❖ MUP 272: Music Theatre IV	2	C	
❖ MUP 373: Music Theatre Performance and Production	1	C	
❖ MUP 374: Technical Production II (Practicum)	1	C	
❖ DCE Movement Elective	2	C	
MTC 223: Music Theory: 20th Century	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15		

Term 5 64 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• MUP 373: Music Theatre majors must audition for all productions, obtain permission to participate in off-campus productions, and complete 10 technical hours per semester.</li> <li>• DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.</li> <li>• Courses offered in fall semester only: MHL 341, MUP 360, MUP 370, MUP 471.</li> </ul>
★ MUP 370: Music Theatre V	2	C	
MHL 341: Music History I (HU)	3	C	
MUP 360: Musicianship for Singers	1	C	
MUP 373: Music Theatre Performance and Production	1	C	
MUP 471: Audition Training (Musical Theatre)	1	C	
DCE Movement Elective	2	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 80 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• MUP 373: Music Theatre majors must audition for all productions, obtain</li> </ul>

★ MUP 465: Music Theatre VI	2	C
MHL 342: Music History II (HU)	3	C
MUP 373: Music Theatre Performance and Production	1	C
MUP 451: Music Theatre Repertoire	2	C
DCE Movement Elective	1-2	C
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	14-15	

- permission to participate in off-campus productions, and complete 10 technical hours per semester.
- DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.
  - Courses offered in spring semester only: MHL 342, MUP 451: Music Theatre Repertoire, MUP 465.
  - Certain studios may require an additional semester of repertoire; please check with your studio professor.
  - Gather a list of **professional references**.

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• MUP 373: Music Theatre majors must audition for all productions, obtain permission to participate in off-campus productions, and complete 10 technical hours per semester.</li> <li>• Courses offered in fall semester only: MUP 470.</li> <li>• Prepare, publicize, and present a public performance.</li> </ul>
★ MUP 470: Music Theatre VII	2	C	
MUP 373: Music Theatre Performance and Production	1	C	
MUP 466: Broadway Dance	2	C	
MHL OR MTC OR MUP OR MUE OR MDC OR THF OR THP Upper Division Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	13		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• MUP 373: Music Theatre majors must audition for all productions, obtain permission to participate in off-campus productions, and complete 10 technical hours per semester.</li> <li>• Courses offered in spring semester only: MUP 472.</li> </ul>
★ MUP 472: Music Theatre VIII	2	C	
MUP 373: Music Theatre Performance and Production	1	C	
MUP 466: Broadway Dance	2	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

DCE Movement Electives
DCE 110: Argentine Tango I
DCE 120: Modern Dance I
DCE 121: Ballet I
DCE 122: Jazz I
DCE 123: Hip Hop I
DCE 124: Latin/Swing/Ballroom I
DCE 125: Latin/Salsa I
DCE 126: Country-Western

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DCE 133: Urban Movement Practices I

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DCE 134: Postmodern Contemporary I

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DCE 135: Contemporary Ballet I

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DCE 136: Somatic Practices I

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DCE 194: Salsa I , Tap

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DCE 210: Argentine Tango II

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DCE 220: Modern Dance II

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DCE 221: Ballet II

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DCE 224: Latin/Swing/Ballroom II

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DCE 225: Latin/Salsa II

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DCE 294: Jazz Practices , Salsa II

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DCE 324: Latin/Swing/Ballroom III

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DCE 394: Jazz III , Latin/Salsa III , Salsa III

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DCE 494: Latin/Salsa IV

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MUP 494: Music Theatre Dance: Tap I ,  
Music Theatre Dance: Tap II

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map





### Performance (Orchestral Instrument), BMUS




School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPOBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142, or higher will fulfill requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. All freshmen take MUP 101: The ASU School of Music Experience to satisfy the First Year Seminar requirement.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 442: Instrumental Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 442: Instrumental Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by</li> </ul>
 MUP 442: Instrumental Ensembles	1	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 231: Class Piano	1	C	
Natural Science - Quantitative (SQ)	4		

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

◆ Complete Mathematics (MA) requirement.

◆ Complete MTC 125 AND MUP 131 course(s).

Complete First-Year Composition requirement.

Term hours subtotal: 16

term 3 will negatively impact ability to complete degree in four years.

- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 47 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> </ul>
◆ MUP 442: Instrumental Ensembles	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
◆ Complete MTC 221 AND MUP 132 course(s).			
Term hours subtotal:	16		

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.</li> <li>• MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.</li> <li>• Courses offered in fall semester only: MHL 341, MUP 210.</li> </ul>
★ MUP 327: Studio Instruction	4	C	
MUP 210: Beginning Instrumental Conducting	1	C	
MUP 442: Instrumental Ensembles	1	C	
MUP 479: Chamber Music Ensembles	1	C	
MHL OR MTC OR MUP OR MUE OR MDC Elective	3	C	
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3		
★ Complete MTC 222 AND MUP 231 course(s).			
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	<ul style="list-style-type: none"> <li>• For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.</li> <li>• MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.</li> <li>• Course offered in spring semester only: MHL 342.</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
★ MUP 327: Studio Instruction	4	C	
★ MUP 495: Performance	0	Y	
MUP 442: Instrumental Ensembles	1	C	
MUP 479: Chamber Music Ensembles	1	C	
MHL OR MTC OR MUE OR MUP OR MDC Upper Division Elective	2	C	
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Complete MTC 223 AND MUP 232 course(s).			
Term hours subtotal:	14		

Minimum

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.</li> <li>MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.</li> <li>Certain studios may require an additional semester of repertoire; please check with your studio professor.</li> <li>MHL 440 is offered in fall only and MHL 439 is offered in spring only.</li> <li>Prepare, publicize, and present a public performance.</li> </ul>
Upper Division ( MHL 439 OR MHL 440 recommended) MHL course (L)	3	C	
MUP 442: Instrumental Ensembles	1	C	
MUP 451: Repertoire	2	C	
MUP 479: Chamber Music Ensembles	1	C	
Elective OR MDC 484: Internship OR MHL 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	14		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.</li> <li>MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.</li> </ul>
★ MUP 496: Performance	0	Y	
MUP 442: Instrumental Ensembles	1	C	
MUP 479: Chamber Music Ensembles	1	C	
MUP 481: Performance Pedagogy and Materials	2	C	
MHL OR MTC OR MUE OR MUP OR MDC Upper Division Elective	3	C	
Elective	2		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition









General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map Performance (Voice), BMUS




School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

FAMUSPVBM

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. All freshman students take MUP 101: The ASU School of Music Experience to satisfy the First-Year Seminar requirement.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano course.</li> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• One year of high school language in Italian, French, or German recommended.</li> <li>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Voice	2	C	
 MUP 443: Choral Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Culture (HU & G)	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Term hours subtotal:	14		

Term 2 14 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Voice	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 443: Choral Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
Mathematics (MA)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		

Term 3 27 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FRE 101: Elementary French I (G) OR GER 101: Elementary German I (G) OR ITA 101: Elementary Italian I (G)	4	C	
 MUP 127: Studio Instruction	4	C	

◆ MUP 443: Choral Ensembles	1	C
MTC 222: Music Theory: 19th Century	3	C
MUP 231: Class Piano	1	C
MUP 250: Diction for Singers	1	C
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3	
◆ Complete Mathematics (MA) requirement.		
◆ Complete MTC 125 AND MUP 131.		
Complete First-Year Composition requirement.		
Term hours subtotal:	17	

- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- All students must complete FRE 101, GER 101, & ITA 101. One semester may be waived with review of high school transcript -- see advisor.
- MUP 250 sequence: Italian is offered in odd-numbered fall semesters, German is offered in even-numbered spring semesters, and French is offered in even-numbered fall semesters.
- Students who start in an even-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 3: Italian, German, French.
- Students who start in an odd-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 5: Italian, German, French.
- Failure to complete MTC 125 by the end of term 3 will impact ability to complete degree in 4 years.
- Courses offered in fall semester only: MTC 222, MUP 231.

Term 4 44 - 62 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ FRE 101: Elementary French I (G) OR GER 101: Elementary German I (G) OR ITA 101: Elementary Italian I (G)	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• All students must complete FRE 101, GER 101, &amp; ITA 101. One semester may be waived with review of high school transcript -- see advisor.</li> <li>• Complete required Second Language 101 courses by the end of term 6.</li> <li>• MUP 250 sequence: Italian is offered in odd-numbered fall semesters, German is offered in even-numbered spring semesters, and French is offered in even-numbered fall semesters.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> <li>• Talk to your studio instructor about ways to enhance your performance skills.</li> <li>• Participate in at least two large ensemble performances and perform in studio class.</li> </ul>
◆ MUP 127: Studio Instruction	4	C	
◆ MUP 443: Choral Ensembles	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
MUP 250: Diction for Singers	1	C	
Natural Science - Quantitative (SQ)	4		
◆ Complete MTC 221 AND MUP 132.			
Term hours subtotal:	18		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• All students must complete FRE 101, GER 101, &amp; ITA 101. One semester may be waived with review of high school transcript -- see advisor.</li> </ul>
★ MUP 327: Studio Instruction	4	C	
FRE 101: Elementary French I (G) OR GER 101: Elementary German I (G) OR ITA 101: Elementary Italian I (G)	4	C	

MUP 250: Diction for Singers	1	C
MUP 443: Choral Ensembles	1	C
MUP 481: Performance Pedagogy and Materials OR MUP 451: Opera Repertoire OR MUP 453: Art Song Repertoire	2	C
★ Complete MTC 222 AND MUP 231.		
Term hours subtotal:	15	

- MUP 250 sequence: Italian is offered in odd-numbered fall semesters, German is offered in even-numbered spring semesters, and French is offered in even-numbered fall semesters.
- Students starting in an even-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 3: Italian, German, French.
- Students starting in an odd-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 5: Italian, German, French.
- Students must complete 6 hours total of Pedagogy and Repertoire courses. MUP 451, MUP 453, and MUP 481 are required.
- Courses offered in fall semester only: MHL 341, MUP 451.
- Courses offered in even-numbered fall semesters: MUP 481.
- Courses offered in odd-numbered spring semesters: MUP 453.

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	<ul style="list-style-type: none"> <li>• Courses offered in spring semester only: MHL 342.</li> <li>• Courses offered in odd-numbered spring semesters: MUP 453.</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
★ MUP 327: Studio Instruction	4	C	
★ MUP 495: Performance	0	Y	
MUP 209: Beginning Choral Conducting	1	C	
MUP 443: Choral Ensembles	1	C	
MUP 481: Performance Pedagogy and Materials OR MUP 451: Opera Repertoire OR MUP 453: Art Song Repertoire	2	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Complete MTC 223 AND MUP 232.			
★ Complete Second Language 101.			
Term hours subtotal:	14		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• MUP 360 recommended as Upper Division MUP Elective.</li> <li>• MHL 440 is offered in fall only and MHL 439 is offered in spring only.</li> <li>• Courses offered in fall semester only: MUP 451.</li> <li>• Courses offered in even-numbered fall semesters: MUP 481.</li> </ul>
MUP 443: Choral Ensembles	1	C	
MUP 481: Performance Pedagogy and Materials OR MUP 451: Opera Repertoire OR MUP 453: Art Song Repertoire	2	C	
Upper Division ( MHL 439 OR MHL 440 recommended) MHL course (L)	3	C	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
★ Complete MUP 451 AND MUP 481 course(s).			

Term hours subtotal: 14

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• MHL 440 is offered in fall only and MHL 439 is offered in spring only.</li> <li>• Courses offered in odd-numbered spring semesters: MUP 453.</li> <li>• Prepare, publicize, and present a public performance.</li> <li>• Apply for full-time career opportunities.</li> </ul>
★ MUP 496: Performance	0	Y	
MUP 443: Choral Ensembles	1	C	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Performance and Movement - Dance and Theatre, BA




School/College: Herberger Institute for Design and the Arts

Location: Tempe campus



HIPERMVBA



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 160: First-Year Creative Practices I	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125/DCE 170 fulfills this requirement.</li> </ul>
 THF 125: Orientation to Film, Dance and Theatre OR DCE 170: First-Year Seminar I	1	C	
 Physical Practice Courses	2-3	C	
DCE 136: Somatic Practices I	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Elective	2		
Term hours subtotal:	16-17		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 126: School of Film, Dance and Theatre: First-Year Experience OR DCE 171: First-Year Seminar II	2	C	<ul style="list-style-type: none"> <li>• Students are expected to reach the advanced level (3**) of at least one of the Physical Practices. Plan your Physical Practices courses to be able to do that in term 6</li> <li>• Join an organization and/or participate in an off-campus performance project.</li> </ul>
 Physical Practice Courses	2-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling	3	C	
Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 recommended)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		




Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Physical Practice Courses	3	C	
DCE 201: Dance, Culture, and Global Contexts (HU) OR DCE 202: Dance in U.S. Popular Culture (HU & C) OR THF 220: Principles of Dramatic Analysis (L or HU)	3	C	
Lower Division Creative Practice Courses	3-4	C	
Natural Science - Quantitative (SQ)	4		
Elective	2		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15-16		



		Minimum	
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Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 Physical Practice Courses	2-3	C	
HDA 252: Foundations Arts and Design Entrepreneurship	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15-16		

Term 5 61 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Community Engagement and Education Courses	3	C	<ul style="list-style-type: none"> <li>Students are expected to reach the advanced level of one of the Physical Practices next term.</li> </ul>
Upper Division Production and Technical Courses	1-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	13-15		

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 THF 397: Professional Development Seminar	1	C	<ul style="list-style-type: none"> <li>Prepare for your <b>internship</b> next semester.</li> </ul>
Upper Division History and Context	3	C	
Upper Division Physical Practice Courses	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 90 - 104 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 484: Internship OR FMP 484: Internship OR THP 484: Internship	3	C	<ul style="list-style-type: none"> <li>Start <b>networking</b> professionally.</li> </ul>
 Upper Division Creative Practice	2-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) ( DCE 405 OR THE 440 recommended)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	14-15		

Term 8 104 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 461: Transition Project II OR THF 497: Senior Project OR THP 428: Theatre and the Future	2-3	C	

DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Complete 2 courses: Upper Division Elective	6	
Elective	2	
Term hours subtotal:	16-17	

Hide Course List(s)/Track Group(s)

Physical Practice Courses	Upper Division Physical Practice Courses	Production and Technical Courses
DCE 110: Argentine Tango I	DCE 324: Latin/Swing/Ballroom III	DCE 438: Dance Theatre Performance/Production
DCE 111: Belly Dancing I	DCE 333: Urban Movement Practices III	MUP 373: Music Theatre: Performance , Production I , Production II
DCE 112: Capoeira I	DCE 334: Postmodern Contemporary III	MUP 374: Music Theatre Technical Production , Technical Production I (Foundations) , Technical Production II (Practicum)
DCE 113: Dances of Africa I	DCE 335: Contemporary Ballet III	THP 301: Production
DCE 114: Dances of India I	DCE 336: Somatic Practices III	THP 317: Stage Management
DCE 117: Feldenkrais I	DCE 338: Urban Movement Practices Ensemble	THP 331: Costume Construction
DCE 120: Modern Dance I	IAP 331: Performance, Acting, and the Individual	THP 332: Makeup
DCE 121: Ballet I	MUP 370: Music Theatre V	THP 335: Advanced Stagecraft
DCE 122: Jazz I	MUP 465: Music Theatre VI	THP 345: Lighting Design
DCE 123: Hip Hop I	MUP 466: Broadway Dance	THP 350: Sound Design
DCE 124: Latin/Swing/Ballroom I	MUP 470: Music Theatre VII	THP 355: Media Design for Performance
DCE 125: Latin/Salsa I	MUP 471: Music Theatre: Workshops	THP 401: Theatre Practicum
DCE 126: Country-Western	MUP 472: Music Theatre VIII	THP 435: Technical Direction
DCE 133: Urban Movement Practices I	THP 301: Acting Mainstage	THP 442: Drawing
DCE 134: Postmodern Contemporary I	THP 302: Acting III: Advanced Techniques	THP 448: AutoCAD for Live Entertainment
DCE 135: Contemporary Ballet I	THP 307: Acting: Ten-Minute Plays	THP 449: AutoCAD 3D for Live Entertainment
DCE 136: Somatic Practices I	THP 372: Acting: Advanced Movement	THP 451: Student Production Board II
DCE 210: Argentine Tango II	THP 377: Acting: Voice and Speech	
DCE 211: Belly Dancing II	THP 385: Acting: Shakespeare and the Spanish Golden Age	
DCE 220: Modern Dance II	THP 387: Screen Acting	
DCE 221: Ballet II	THP 420: Acting: Solo and Collaborative Performance	
DCE 222: Jazz II	THP 482: Theatre for Social Change (C)	
DCE 223: Hip Hop II		
DCE 224: Latin/Swing/Ballroom II		
DCE 225: Latin/Salsa II		



DCE 233: Urban Movement Practices II	THP 483: Acting: Viewpoints and Composition	
DCE 234: Postmodern Contemporary II		
DCE 236: Somatic Practices II	THP 489: Acting: Audition Techniques and Career Development	
MUP 170: Music Theatre I		
MUP 172: Music Theatre II		
THF 101: Acting Introduction		
THP 102: Acting I: Fundamentals		
THP 202: Acting II: Meisner Technique		
THP 272: Introduction to Stage Movement		
THP 277: Acting: Introduction to Voice		
<b>Community Engagement and Education Courses</b>	<b>Creative Practice Courses</b>	<b>Upper Division Creative Practices</b>
DCE 350: Dance in the Classroom: Learning Through Movement (HU)	DCE 160: First-Year Creative Practices I	DCE 360: Third-Year Creative Practices I
DCE 354: Creative Approaches to Teaching Dance I	DCE 161: First-Year Creative Practices II	DCE 361: Third-Year Creative Practices II
DCE 356: Creative Approaches to Teaching Dance II	DCE 240: Media for Dance (CS)	DCE 460: Transition Project I
FMP 417: Business and Legal Practices in Entertainment	DCE 260: Second-Year Creative Practices I	DCE 461: Transition Project II
HDA 252: Foundations Arts and Design Entrepreneurship	DCE 261: Second-Year Creative Practices II	FMP 300: Focus on Film
HDA 310: Socially Engaged Practice	DCE 262: Rhythmic Theory for Dance I	IAP 331: Performance, Acting, and the Individual
HDA 311: Work and Careers in the Cultural and Creative Industries	FMP 201: Film: The Creative Process I (HU)	IAP 333: Directing for Performance
HDA 420: Design and the Arts Business Administration	FMP 255: Media Authorship (CS)	IAP 334: Conceptual Development in the Arts
THE 325: Play Reading for Educational Theatre	FMP 261: Principles of Screenwriting	THP 318: Directing II: Intermediate Directing
THE 480: Methods of Teaching Theatre	FMP 300: Focus on Film	THP 330: Costume Design
THP 311: Creative Drama with Youth (L)	HDA 210: Creativity and Innovation in Design and the Arts	THP 332: Makeup
THP 351: Arts Management	THF 215: Design and Composition for Theatre and Film	THP 345: Lighting Design
THP 411: Methods of Teaching Drama	THP 213: Introduction to Technical Theatre	THP 350: Sound Design
THP 450: Theatre Organization and Management	THP 214: Introduction to Costuming	THP 355: Media Design for Performance
THP 482: Theatre for Social Change (C)	THP 218: Directing I: Introduction to Directing	THP 360: Intermediate Playwriting
	THP 260: Introduction to Playwriting	THP 420: Acting: Solo and Collaborative Performance
		THP 428: Theatre and the Future
		THP 440: Advanced Scene Design
		THP 455: Advanced Media Design
		THP 483: Acting: Viewpoints and Composition
<b>Upper Division History and Context</b>		
DCE 300: Moving Histories (HU)		

DCE 301: Meaning in Motion (L or HU)

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DCE 402: Ethnography of Dance Practices (L)

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DCE 404: Dance and Ethics

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DCE 405: Rhetorical Moves (L or HU)

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THE 320: History of the Theatre I (HU & H)

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THE 321: History of the Theatre II (HU & H)

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THE 322: Theatre History and Culture (HU & H)

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THE 325: Play Reading for Educational Theatre

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THE 421: Shakespeare: Stage and Film (L or HU)

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THE 422: Latina and Latino Theatre and Film (HU & C)

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THE 423: African American Theatre (C)

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THE 426: Pre-Columbian Theatre of the Americas

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THE 429: Studies in European Literature and Culture ((L or HU) & G & H)

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THE 430: History of Fashion I (HU)

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THE 431: History of Fashion II: 20th-Century Fashion

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THE 440: Experimental Theatre and Performance (L)

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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Performance and Movement - Social and Partnership Dance, BA




School/College: Herberger Institute for Design and the Arts


Location: Tempe campus




HIPERMVBA




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 124: Latin/Swing/Ballroom I OR DCE 125: Latin/Salsa I	2	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125/DCE 170 fulfills this requirement.</li> </ul>
 DCE 160: First-Year Creative Practices I	3	C	
 THF 125: Orientation to Film, Dance and Theatre OR DCE 170: First-Year Seminar I	1	C	
DCE 136: Somatic Practices I	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Elective	2-3		
Term hours subtotal:	16-17		



Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 124: Latin/Swing/Ballroom I OR DCE 125: Latin/Salsa I	2	C	<ul style="list-style-type: none"> <li>• Alternate each semester between Latin and Ballroom.</li> <li>• Join an organization and/or participate in an off-campus performance project.</li> </ul>
 THF 126: School of Film, Dance and Theatre: First-Year Experience OR DCE 171: First-Year Seminar II	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling	3	C	
Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 recommended)	3		
Elective	2-3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 224: Latin/Swing/Ballroom II OR DCE 225: Latin/Salsa II	2	C	
DCE 201: Dance, Culture, and Global Contexts (HU) OR DCE 202: Dance in U.S. Popular Culture (HU & C) OR THF 220: Principles of Dramatic Analysis (L or HU)	3	C	
Lower Division Creative Practice Courses	3-4	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			
Term hours subtotal:	15-16		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 224: Latin/Swing/Ballroom II OR DCE 225: Latin/Salsa II	2	C	
HDA 252: Foundations Arts and Design Entrepreneurship	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3-4		
Term hours subtotal:	15-16		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 324: Latin/Swing/Ballroom III OR DCE 394: Latin/Salsa III	2	C	<ul style="list-style-type: none"> <li>Students are expected to reach the advanced level of one of the Physical Practices next term.</li> </ul>
 Upper Division Community Engagement and Education Courses	3	C	
Upper Division Production and Technical Courses	1-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15-17		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 324: Latin/Swing/Ballroom III OR DCE 394: Latin/Salsa III	2	C	<ul style="list-style-type: none"> <li>Prepare for your <b>internship</b> next semester.</li> </ul>
 THF 397: Professional Development Seminar	1	C	
Upper Division History and Context	3	C	
Upper Division Physical Practice Courses	3	C	
Complete 2 courses: Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 484: Internship OR FMP 484: Internship OR THP 484: Internship	3	C	<ul style="list-style-type: none"> <li>Start <b>networking</b> professionally.</li> </ul>
 Upper Division Creative Practice	2-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) ( DCE 405 OR THE 440 recommended)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	1-2		
Term hours subtotal:	15-17		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ DCE 461: Transition Project II OR THF 497: Senior Project OR THP 428: Theatre and the Future	2-3	C
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	14-15	

Hide Course List(s)/Track Group(s)

Physical Practice Courses	Creative Practice Courses	Production and Technical Courses
DCE 110: Argentine Tango I	DCE 160: First-Year Creative Practices I	DCE 438: Dance Theatre Performance/Production
DCE 111: Belly Dancing I	DCE 161: First-Year Creative Practices II	MUP 373: Music Theatre: Performance , Production I , Production II
DCE 112: Capoeira I	DCE 240: Media for Dance (CS)	MUP 374: Music Theatre Technical Production , Technical Production I (Foundations) , Technical Production II (Practicum)
DCE 113: Dances of Africa I	DCE 260: Second-Year Creative Practices I	THP 301: Production
DCE 114: Dances of India I	DCE 261: Second-Year Creative Practices II	THP 317: Stage Management
DCE 117: Feldenkrais I	DCE 262: Rhythmic Theory for Dance I	THP 331: Costume Construction
DCE 120: Modern Dance I	FMP 201: Film: The Creative Process I (HU)	THP 332: Makeup
DCE 121: Ballet I	FMP 255: Media Authorship (CS)	THP 335: Advanced Stagecraft
DCE 122: Jazz I	FMP 261: Principles of Screenwriting	THP 345: Lighting Design
DCE 123: Hip Hop I	FMP 300: Focus on Film	THP 350: Sound Design
DCE 124: Latin/Swing/Ballroom I	HDA 210: Creativity and Innovation in Design and the Arts	THP 355: Media Design for Performance
DCE 125: Latin/Salsa I	THF 215: Design and Composition for Theatre and Film	THP 401: Theatre Practicum
DCE 126: Country-Western	THP 213: Introduction to Technical Theatre	THP 435: Technical Direction
DCE 133: Urban Movement Practices I	THP 214: Introduction to Costuming	THP 442: Drawing
DCE 134: Postmodern Contemporary I	THP 218: Directing I: Introduction to Directing	THP 448: AutoCAD for Live Entertainment
DCE 135: Contemporary Ballet I	THP 260: Introduction to Playwriting	THP 449: AutoCAD 3D for Live Entertainment
DCE 136: Somatic Practices I		THP 451: Student Production Board II
DCE 194: Salsa I		
DCE 210: Argentine Tango II		
DCE 211: Belly Dancing II		
DCE 220: Modern Dance II		
DCE 221: Ballet II		
DCE 222: Jazz II		
DCE 223: Hip Hop II		
DCE 224: Latin/Swing/Ballroom II		

DCE 225: Latin/Salsa II
DCE 233: Urban Movement Practices II
DCE 234: Postmodern Contemporary II
DCE 236: Somatic Practices II
MUP 170: Music Theatre I
MUP 172: Music Theatre II
THF 101: Acting Introduction
THP 102: Acting I: Fundamentals
THP 202: Acting II: Meisner Technique
THP 272: Introduction to Stage Movement
THP 277: Acting: Introduction to Voice

Community Engagement and Education Courses	Upper Division History and Context	Upper Division Physical Practice Courses
DCE 350: Dance in the Classroom: Learning Through Movement (HU)	DCE 300: Moving Histories (HU)	DCE 324: Latin/Swing/Ballroom III
DCE 354: Creative Approaches to Teaching Dance I	DCE 301: Meaning in Motion (L or HU)	DCE 333: Urban Movement Practices III
DCE 356: Creative Approaches to Teaching Dance II	DCE 402: Ethnography of Dance Practices (L)	DCE 334: Postmodern Contemporary III
FMP 417: Business and Legal Practices in Entertainment	DCE 404: Dance and Ethics	DCE 335: Contemporary Ballet III
HDA 252: Foundations Arts and Design Entrepreneurship	DCE 405: Rhetorical Moves (L or HU)	DCE 336: Somatic Practices III
HDA 310: Socially Engaged Practice	THE 320: History of the Theatre I (HU & H)	DCE 338: Urban Movement Practices Ensemble
HDA 311: Work and Careers in the Cultural and Creative Industries	THE 321: History of the Theatre II (HU & H)	IAP 331: Performance, Acting, and the Individual
HDA 420: Design and the Arts Business Administration	THE 322: Theatre History and Culture (HU & H)	MUP 370: Music Theatre V
THE 325: Play Reading for Educational Theatre	THE 325: Play Reading for Educational Theatre	MUP 465: Music Theatre VI
THE 480: Methods of Teaching Theatre	THE 421: Shakespeare: Stage and Film (L or HU)	MUP 466: Broadway Dance
THP 311: Creative Drama with Youth (L)	THE 422: Latina and Latino Theatre and Film (HU & C)	MUP 470: Music Theatre VII
THP 351: Arts Management	THE 423: African American Theatre (C)	MUP 471: Music Theatre: Workshops
THP 411: Methods of Teaching Drama	THE 426: Pre-Columbian Theatre of the Americas	MUP 472: Music Theatre VIII
THP 450: Theatre Organization and Management	THE 429: Studies in European Literature and Culture ((L or HU) & G & H)	THP 301: Acting Mainstage
THP 482: Theatre for Social Change (C)	THE 430: History of Fashion I (HU)	THP 302: Acting III: Advanced Techniques
	THE 431: History of Fashion II: 20th-Century Fashion	THP 307: Acting: Ten-Minute Plays
	THE 440: Experimental Theatre and Performance (L)	THP 372: Acting: Advanced Movement
		THP 377: Acting: Voice and Speech
		THP 385: Acting: Shakespeare and the Spanish Golden Age
		THP 387: Screen Acting
		THP 420: Acting: Solo and Collaborative Performance

THP 482: Theatre for Social Change (C)

THP 483: Acting: Viewpoints and Composition

THP 489: Acting: Audition Techniques and Career Development

Upper Division Creative Practices

DCE 360: Third-Year Creative Practices I

DCE 361: Third-Year Creative Practices II

DCE 460: Transition Project I

DCE 461: Transition Project II

FMP 300: Focus on Film

IAP 331: Performance, Acting, and the Individual

IAP 333: Directing for Performance

IAP 334: Conceptual Development in the Arts

THP 318: Directing II: Intermediate Directing

THP 330: Costume Design

THP 332: Makeup

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 360: Intermediate Playwriting

THP 420: Acting: Solo and Collaborative Performance

THP 428: Theatre and the Future

THP 440: Advanced Scene Design

THP 455: Advanced Media Design

THP 483: Acting: Viewpoints and Composition

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map





### Performance and Movement - Urban Arts, BA


School/College: Herberger Institute for Design and the Arts



Location: Tempe campus

HIPERMVBA






Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 133: Urban Movement Practices I	2	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125/DCE 170 fulfills this requirement.</li> </ul>
 DCE 160: First-Year Creative Practices I	3	C	
 THF 125: Orientation to Film, Dance and Theatre OR DCE 170: First-Year Seminar I	1	C	
DCE 136: Somatic Practices I	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Elective	2-3		
Term hours subtotal:	16-17		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 133: Urban Movement Practices I	2	C	<ul style="list-style-type: none"> <li>• Students are expected to reach the advanced level (300-level) of at least one of the Physical Practices. Plan your Physical Practices courses to be able to do that in term 6.</li> <li>• Join an organization and/or participate in an off-campus performance project.</li> </ul>
 THF 126: School of Film, Dance and Theatre: First-Year Experience OR DCE 171: First-Year Seminar II	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling	3	C	
Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 recommended)	3		
Elective	2-3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
DCE 201: Dance, Culture, and Global Contexts (HU) OR DCE 202: Dance in U.S. Popular Culture (HU & C) OR THF 220: Principles of Dramatic Analysis (L or HU)	3	C	
DCE 233: Urban Movement Practices II	2	C	
Lower Division Creative Practice Courses	3-4	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15-16		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 DCE 233: Urban Movement Practices II	2	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
HDA 252: Foundations Arts and Design Entrepreneurship	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3-4		
Term hours subtotal:	15-16		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 333: Urban Movement Practices III	3	C	<ul style="list-style-type: none"> <li>• Students are expected to reach the advanced level of one of the Physical Practices next term.</li> </ul>
 DCE 338: Urban Movement Practices Ensemble	1	C	
 Upper Division Community Engagement and Education Courses	3	C	
Upper Division Production and Technical Courses	1-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	14-16		

Term 6 75 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 333: Urban Movement Practices III	3	C	<ul style="list-style-type: none"> <li>• Prepare for your <b>internship</b> next semester.</li> </ul>
 DCE 338: Urban Movement Practices Ensemble	1	C	
 THF 397: Professional Development Seminar	1	C	
Upper Division History and Context	3	C	
Upper Division Physical Practice	3	C	
Upper Division Elective	3		
Elective	2		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 338: Urban Movement Practices Ensemble	1	C	<ul style="list-style-type: none"> <li>• DCE 333 is recommended as a DCE Upper Division Elective.</li> <li>• Start <b>networking</b> professionally.</li> </ul>
 DCE 484: Internship OR FMP 484: Internship OR THP 484: Internship	3	C	
 Upper Division Creative Practice	2-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) ( DCE 405 OR THE 440 recommended)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15-16		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ DCE 461: Transition Project II OR THF 497: Senior Project OR THP 428: Theatre and the Future	2-3	C
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	14-15	

Hide Course List(s)/Track Group(s)

Physical Practice Courses	Creative Practice Courses	Production and Technical Courses
DCE 110: Argentine Tango I	DCE 160: First-Year Creative Practices I	DCE 438: Dance Theatre Performance/Production
DCE 111: Belly Dancing I	DCE 161: First-Year Creative Practices II	MUP 373: Music Theatre: Performance , Production I , Production II
DCE 112: Capoeira I	DCE 240: Media for Dance (CS)	MUP 374: Music Theatre Technical Production , Technical Production I (Foundations) , Technical Production II (Practicum)
DCE 113: Dances of Africa I	DCE 260: Second-Year Creative Practices I	THP 301: Production
DCE 114: Dances of India I	DCE 261: Second-Year Creative Practices II	THP 317: Stage Management
DCE 117: Feldenkrais I	DCE 262: Rhythmic Theory for Dance I	THP 331: Costume Construction
DCE 120: Modern Dance I	FMP 201: Film: The Creative Process I (HU)	THP 332: Makeup
DCE 121: Ballet I	FMP 255: Media Authorship (CS)	THP 335: Advanced Stagecraft
DCE 122: Jazz I	FMP 261: Principles of Screenwriting	THP 345: Lighting Design
DCE 123: Hip Hop I	FMP 300: Focus on Film	THP 350: Sound Design
DCE 124: Latin/Swing/Ballroom I	HDA 210: Creativity and Innovation in Design and the Arts	THP 355: Media Design for Performance
DCE 125: Latin/Salsa I	THF 215: Design and Composition for Theatre and Film	THP 401: Theatre Practicum
DCE 126: Country-Western	THP 213: Introduction to Technical Theatre	THP 435: Technical Direction
DCE 133: Urban Movement Practices I	THP 214: Introduction to Costuming	THP 442: Drawing
DCE 134: Postmodern Contemporary I	THP 218: Directing I: Introduction to Directing	THP 448: AutoCAD for Live Entertainment
DCE 135: Contemporary Ballet I	THP 260: Introduction to Playwriting	THP 449: AutoCAD 3D for Live Entertainment
DCE 136: Somatic Practices I		THP 451: Student Production Board II
DCE 194: Salsa I		
DCE 210: Argentine Tango II		
DCE 211: Belly Dancing II		
DCE 220: Modern Dance II		
DCE 221: Ballet II		
DCE 222: Jazz II		
DCE 223: Hip Hop II		
DCE 224: Latin/Swing/Ballroom II		

DCE 225: Latin/Salsa II
DCE 233: Urban Movement Practices II
DCE 234: Postmodern Contemporary II
DCE 236: Somatic Practices II
MUP 170: Music Theatre I
MUP 172: Music Theatre II
THF 101: Acting Introduction
THP 102: Acting I: Fundamentals
THP 202: Acting II: Meisner Technique
THP 272: Introduction to Stage Movement
THP 277: Acting: Introduction to Voice

Community Engagement and Education Courses	Upper Division History and Context	Upper Division Physical Practice Courses
DCE 350: Dance in the Classroom: Learning Through Movement (HU)	DCE 300: Moving Histories (HU)	DCE 324: Latin/Swing/Ballroom III
DCE 354: Creative Approaches to Teaching Dance I	DCE 301: Meaning in Motion (L or HU)	DCE 333: Urban Movement Practices III
DCE 356: Creative Approaches to Teaching Dance II	DCE 402: Ethnography of Dance Practices (L)	DCE 334: Postmodern Contemporary III
FMP 417: Business and Legal Practices in Entertainment	DCE 404: Dance and Ethics	DCE 335: Contemporary Ballet III
HDA 252: Foundations Arts and Design Entrepreneurship	DCE 405: Rhetorical Moves (L or HU)	DCE 336: Somatic Practices III
HDA 310: Socially Engaged Practice	THE 320: History of the Theatre I (HU & H)	DCE 338: Urban Movement Practices Ensemble
HDA 311: Work and Careers in the Cultural and Creative Industries	THE 321: History of the Theatre II (HU & H)	IAP 331: Performance, Acting, and the Individual
HDA 420: Design and the Arts Business Administration	THE 322: Theatre History and Culture (HU & H)	MUP 370: Music Theatre V
THE 325: Play Reading for Educational Theatre	THE 325: Play Reading for Educational Theatre	MUP 465: Music Theatre VI
THP 311: Creative Drama with Youth (L)	THE 421: Shakespeare: Stage and Film (L or HU)	MUP 466: Broadway Dance
THP 351: Arts Management	THE 422: Latina and Latino Theatre and Film (HU & C)	MUP 470: Music Theatre VII
THP 411: Methods of Teaching Drama	THE 423: African American Theatre (C)	MUP 471: Music Theatre: Workshops
THP 450: Theatre Organization and Management	THE 426: Pre-Columbian Theatre of the Americas	MUP 472: Music Theatre VIII
THE 480: Methods of Teaching Theatre	THE 429: Studies in European Literature and Culture ((L or HU) & G & H)	THP 301: Acting Mainstage
THP 482: Theatre for Social Change (C)	THE 430: History of Fashion I (HU)	THP 302: Acting III: Advanced Techniques
	THE 431: History of Fashion II: 20th-Century Fashion	THP 307: Acting: Ten-Minute Plays
	THE 440: Experimental Theatre and Performance (L)	THP 372: Acting: Advanced Movement
		THP 377: Acting: Voice and Speech
		THP 385: Acting: Shakespeare and the Spanish Golden Age
		THP 387: Screen Acting
		THP 420: Acting: Solo and Collaborative Performance

THP 482: Theatre for Social Change (C)

THP 483: Acting: Viewpoints and  
Composition

THP 489: Acting: Audition Techniques and  
Career Development

Upper Division Creative Practices

DCE 360: Third-Year Creative Practices I

DCE 361: Third-Year Creative Practices II

DCE 460: Transition Project I

DCE 461: Transition Project II

FMP 300: Focus on Film

IAP 331: Performance, Acting, and the  
Individual

IAP 333: Directing for Performance

IAP 334: Conceptual Development in the Arts

THP 318: Directing II: Intermediate Directing

THP 330: Costume Design

THP 332: Makeup

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 360: Intermediate Playwriting

THP 420: Acting: Solo and Collaborative  
Performance

THP 428: Theatre and the Future

THP 440: Advanced Scene Design

THP 455: Advanced Media Design

THP 483: Acting: Viewpoints and  
Composition

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Theatre, BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FATHEBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 THF 125: Orientation to Film, Dance and Theatre	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125: Orientation to Film, Dance and Theatre required of all freshman theatre and film majors only.</li> <li>• Student must complete THP 102 for degree. Student may choose between THP 213 or 214.</li> <li>• Join a <b>student organization</b>. Get involved in a production.</li> </ul>	
 THP 102: Acting I: Fundamentals OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming	3-4	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C		
THP 201: Theatre Production Crew	1	C		
Mathematics (MA)	3			
Maintain 2.50 GPA in Theatre and Film courses.				
Term hours subtotal:	14-15			
<hr/>				
Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 THF 126: School of Film, Dance and Theatre: First-Year Experience	2	C	<ul style="list-style-type: none"> <li>• THF 160 and THP 201 must be completed by the end of term 3.</li> <li>• Student must complete THP 102 for degree. Student may choose between THP 213 or 214.</li> <li>• Find a mentor.</li> </ul>	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C		
THP 102: Acting I: Fundamentals OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming	4-3	C		
Computer/Statistics/Quantitative Applications (CS)	3			
Elective	2			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 2.50 GPA in Theatre and Film courses.				
Term hours subtotal:	17-16			
<hr/>				
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 THF 220: Principles of Dramatic Analysis (L or HU)	3	C	<ul style="list-style-type: none"> <li>• THF 215 must be completed by the end of term 4.</li> <li>• Establish <b>career interests</b>, develop soft skills and build a resume.</li> <li>• Deepen involvement in a production, and narrow your focus.</li> </ul>	
Natural Science - Quantitative (SQ)	4			
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3			
Complete 2 courses:				
Elective	6			
 Complete Mathematics (MA) requirement.				
 Complete THF 160 course(s).				

❗ Complete THP 201 course(s).

Complete First-Year Composition requirement.

Maintain 2.50 GPA in Theatre and Film courses.

Term hours subtotal: 16

Term 4 47 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ THP 218: Directing I: Introduction to Directing

3

C

FMP OR THE OR THF OR THP Elective

3

C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3

❗ Complete THF 215 course.

❗ Complete THP 102 AND THP 213 or THP 214 course(s).

Maintain 2.50 GPA in Theatre and Film courses.

Term hours subtotal: 13

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ THP 301: Theatre Production

1

C

THE 320: History of the Theatre I (HU & H)

3

C

FMP OR THE OR THF OR THP Elective

3

C

Complete 3 courses:

Upper Division Elective

9

Maintain 2.50 GPA in Theatre and Film courses.

Term hours subtotal: 16

- Explore **career options**. Start work on a long-term project with faculty mentor.

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ THE 321: History of the Theatre II (HU & H)

3

C

THF 397: Professional Development Seminar

1

C

Upper Division THE Dramatic Literature course

3

C

FMP OR THE OR THF OR THP Upper Division Elective

3

C

Humanities, Arts and Design (HU)

3

Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Maintain 2.50 GPA in Theatre and Film courses.

Term hours subtotal: 16

- For the Upper Division THE Dramatic Literature Course, please refer below to Dramatic Literature course options.

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ THE 440: Experimental Theatre and Performance (L)

3

C

Complete 3 courses:

FMP OR THE OR THF OR THP Upper Division Elective

9

C

Upper Division Elective OR THP 484: Internship

3

Maintain 2.50 GPA in Theatre and Film courses.

Term hours subtotal: 15

- Start **networking**.
- Complete an **internship**.
- Complete a major project in specific area.



Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project OR THP 428: Theatre and the Future	1-6	C	<ul style="list-style-type: none"> <li>Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.</li> </ul>
<i>Complete 2 courses:</i>			
FMP OR THE OR THF OR THP Upper Division Elective	6	C	
FMP OR THE OR THF OR THP Elective	3	C	
Elective	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	13-18		

Hide Course List(s)/Track Group(s)

THE Dramatic Literature Course: Select 1 course; 3 credits

THE 421: Shakespeare: Stage and Film (L or HU)

THE 422: Latina and Latino Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Theatre (Acting), BA





School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FATHEABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 125: Orientation to Film, Dance and Theatre	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125: Orientation to Film, Dance and Theatre fulfills this requirement.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
 THP 102: Acting I: Fundamentals	3	B	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 126: School of Film, Dance and Theatre: First-Year Experience	2	C	
 THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
 THP 272: Introduction to Stage Movement OR THP 277: Acting: Introduction to Voice	3	B-	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 220: Principles of Dramatic Analysis (L or HU)	3	B-	<ul style="list-style-type: none"> <li>• THP 201, and THP 213 or 214 must be completed by end of term 4.</li> <li>• Get involved in projects in the <a href="#">School of Film, Dance and Theatre</a>, and prepare for the audition into the Acting Concentration.</li> </ul>
 THP 272: Introduction to Stage Movement OR THP 277: Acting: Introduction to Voice	3	B-	
THP 201: Theatre Production Crew	1	C	
Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 14

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ THP 202: Acting II: Meisner Technique	3	B-	
⚠ THP 218: Directing I: Introduction to Directing	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
⚠ Complete THF 160 AND THF 215 course(s).			
⚠ Complete THP 201 AND THP 213 OR THP 214 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Milestone: Apply for Acting Concentration during Term 4.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ THF 370: Seminar: Acting Concentration for Stage and Screen	1	C	<ul style="list-style-type: none"> <li>Establish a plan of action toward career goals, and continue to build your resume.</li> </ul>
★ THP 301: Theatre Production	1	C	
THE 320: History of the Theatre I (HU & H)	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 75 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ THE 321: History of the Theatre II (HU & H)	3	C	<ul style="list-style-type: none"> <li>For Upper Division THE Dramatic Literature Course, please refer below to the Dramatic Literature course options.</li> </ul>
★ THF 370: Seminar: Acting Concentration for Stage and Screen	1	C	
THF 397: Professional Development Seminar	1	C	
Upper Division THE Dramatic Literature Course	3	C	
Complete 2 courses: Upper Division THP Acting Elective	6	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 7 92 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ THE 440: Experimental Theatre and Performance (L)	3	C
★ THF 370: Seminar: Acting Concentration for Stage and Screen	1	C
★ THP 489: Acting: Audition Techniques and Career Development	3	C
Upper Division Elective OR THP 484: Internship	3	
Complete 2 courses: Upper Division Elective	6	
Maintain 3.00 GPA in Theatre and Film courses.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- Plan and implement your capstone. Continue building a body of work and materials that are industry standard and that will launch you into your career and/or next project.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project OR THP 428: Theatre and the Future	1-6	C	<ul style="list-style-type: none"> <li>• Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.</li> </ul>
Upper Division THP Acting Elective	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Elective	2-3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12-18		

Hide Course List(s)/Track Group(s)

Dramatic Literature Course: Select 1 course; 3 credits.	THP Acting Elective Courses: Select 3 courses; 9 credits.
THE 421: Shakespeare: Stage and Film (L or HU)	THP 301: Acting Mainstage
THE 422: Latina and Latino Theatre and Film (HU & C)	THP 302: Acting III: Advanced Techniques
THE 423: African American Theatre (C)	THP 307: Acting: Ten-Minute Plays
THE 426: Pre-Columbian Theatre of the Americas	THP 372: Acting: Advanced Movement
	THP 377: Acting: Voice and Speech
	THP 385: Acting: Shakespeare and the Spanish Golden Age
	THP 387: Screen Acting
	THP 420: Acting: Solo and Collaborative Performance
	THP 483: Acting: Viewpoints and Composition

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 3.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Theatre (Design and Production), BA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FADSNPRBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 125: Orientation to Film, Dance and Theatre	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125: Orientation to Film, Dance and Theatre required of all freshman Theatre and Film majors only.</li> <li>• Develop and build upon a <b>resume</b>. Start collecting portfolio items and/or images.</li> </ul>
 THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
 THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THP 102: Acting I: Fundamentals OR THP 201: Theatre Production Crew	1-3	C	
Mathematics (MA)	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15-17		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 126: School of Film, Dance and Theatre: First-Year Experience	2	C	<ul style="list-style-type: none"> <li>• Prospective Design &amp; Production concentration students must successfully pass an interview and portfolio review at the end of term 2.</li> <li>• THP 201 must be completed by the end of term 3.</li> </ul>
 THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THP 102: Acting I: Fundamentals OR THP 201: Theatre Production Crew	3-1	C	
Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Milestone: Successful completion of an interview and portfolio review.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17-15		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 220: Principles of Dramatic Analysis (L or HU)	3	C	<ul style="list-style-type: none"> <li>• THP 102 must be completed by the end of term 4.</li> </ul>
Upper Division Design & Production Concentration Core Course	3	C	
Design & Production Concentration Elective	1-3	C	

Natural Science - Quantitative (SQ)	4
Elective	3
◆ Complete Mathematics (MA) requirement.	
◆ Complete THP 201 course(s).	
Complete First-Year Composition requirement.	
Maintain 3.00 GPA in Theatre and Film courses.	
Minimum 2.50 GPA ASU Cumulative.	
Term hours subtotal:	14-16

- Continue to develop a portfolio. Start building a web site.

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming	4	C	<ul style="list-style-type: none"> <li>• Terms 4 - 8 are for students who have passed the additional interview and portfolio review for the Design &amp; Production concentration.</li> </ul>
◆ THP 218: Directing I: Introduction to Directing	3	C	
Design & Production Concentration Elective	1-3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
◆ Complete THP 102 course.			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15-17		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ THP 301: Theatre Production	1	C	<ul style="list-style-type: none"> <li>• Start looking for professional <b>internships</b> or jobs.</li> <li>• Attend conferences and build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
THE 320: History of the Theatre I (HU & H)	3	C	
Upper Division Design & Production Concentration Core Course	3	C	
Upper Division Design & Production Concentration Elective	1-3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Upper Division Elective	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14-16		

Term 6 75 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ THE 321: History of the Theatre II (HU & H)	3	C	<ul style="list-style-type: none"> <li>• For the Upper Division THE Dramatic Literature Course, please refer below to Dramatic Literature course options.</li> </ul>
THF 397: Professional Development Seminar	1	C	
Upper Division Design & Production Concentration Core Course	3	C	
Upper Division Design & Production Concentration Elective	1	C	
Upper Division THE Dramatic Literature Course	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 17

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THE 440: Experimental Theatre and Performance (L)	3	C	<ul style="list-style-type: none"> <li>Attend conferences and build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>Apply for professional jobs or graduate school.</li> </ul>
Upper Division Design & Production Concentration Core Course	3	C	
Complete 2 courses:			
Upper Division Design & Production Concentration Elective	4-6	C	
Elective OR THP 484: Internship	3		
Elective	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16-18		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project OR THP 428: Theatre and the Future	1-3	C	<ul style="list-style-type: none"> <li>Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.</li> </ul>
Upper Division Design & Production Concentration Elective	1-3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	4		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12-16		

Hide Course List(s)/Track Group(s)

Dramatic Literature Course: Select 1 course; 3 credits	Design & Production Concentration Core Course: Select 4 courses; 12 credits.	Design & Production Concentration Electives: Minimum 9 credits.
THE 421: Shakespeare: Stage and Film (L or HU)	THP 317: Stage Management	FMP 494: Art Direction
THE 422: Latina and Latino Theatre and Film (HU & C)	THP 330: Costume Design	THE 430: History of Fashion I (HU)
THE 423: African American Theatre (C)	THP 340: Scene Design	THP 317: Stage Management
THE 426: Pre-Columbian Theatre of the Americas	THP 345: Lighting Design	THP 330: Costume Design
	THP 350: Sound Design	THP 331: Costume Construction
	THP 351: Arts Management	THP 332: Makeup
	THP 355: Media Design for Performance	THP 335: Advanced Stagecraft
	THP 431: Advanced Costume Construction	THP 340: Scene Design
	THP 435: Technical Direction	THP 345: Lighting Design
	THP 442: Drawing	THP 350: Sound Design
		THP 355: Media Design for Performance
		THP 394: Pattern Drafting for Theatre
		THP 401: Advanced Technical Theatre , Costume Construction , Lighting , Lighting, Sound, and Media , Make-Up , Production ,



Set Construction , Sound , Stage Design ,  
Stage Management , Technical Theatre ,  
Technical Theatre/Stage Management

THP 431: Advanced Costume Construction

THP 435: Technical Direction

THP 440: Advanced Scene Design

THP 441: Scene Painting

THP 442: Drawing

THP 444: Drafting for the Stage

THP 445: Advanced Lighting Design

THP 448: AutoCAD for Live Entertainment

THP 449: AutoCAD 3D for Live  
Entertainment

THP 450: Theatre Organization and  
Management

THP 455: Advanced Media Design

THP 457: Digital Portfolio

THP 494: Advanced Lighting Technology ,  
Costume Design II , Lighting III: Practical  
Skills , Materials for the Stage , Multimedia  
Design & Stage , Prop Management and  
Design , Properties for the Stage , Rigging for  
the Stage , Vectorworks

THP 498: Costume Design , Design Practicum  
, Design Project: Lighting & Sound , Design  
Project: Property Design , Design Project:  
Scene Design , Lighting Design , Media  
Design Practicum , Props Master , Scenic  
Design , Sound Design , Stage Management ,  
Technical Direction

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map







### Theory and Composition (Composition), BMUS





School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

FAMUSTCBM

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: The ASU School of Music Experience required of all freshman students.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MTC 123: Beginning Composition	1	C	
 MTC 125: Basic Music Theory	3	C	
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	15		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MTC 123: Beginning Composition	1	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>	
 MTC 221: Music Theory: 18th Century	3	C		
 MUP 111: Studio Instruction	2	C		
 4** MUP Music Ensemble	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MHL 140: Sounds and Culture (HU & G)	3	C		
MUP 132: Class Piano	1	C		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	14			

Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MTC 123: Beginning Composition	1	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> </ul>
 MTC 222: Music Theory: 19th Century	3	C	
 MUP 111: Studio Instruction	2	C	

4** MUP Music Ensemble	1	C
MUP 231: Class Piano	1	C
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3	
Natural Science - Quantitative (SQ)	4	
Complete Mathematics (MA) requirement.		
Complete MUP 131.		
Complete First-Year Composition requirement.		
Term hours subtotal:	15	

- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.
- Develop a network of student performers who can read and perform your works.

Term 4 44 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MTC 123: Beginning Composition	1	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 223, MTC 321 (even numbered spring semesters only), MUP 232.</li> </ul>
⚠ MTC 223: Music Theory: 20th Century	3	C	
⚠ MUP 111: Studio Instruction	2	C	
⚠ 4** MUP Music Ensemble	1	C	
MTC 321: Tonal Counterpoint	2	C	
MUP 232: Class Piano	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
⚠ Complete MUP 132.			
Term hours subtotal:	17		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• Complete one semester of conducting by end of term 6; may choose either MUP 209 or MUP 210.</li> <li>• Courses offered in fall semester only: MHL 341, MTC 320 (odd numbered fall semesters only), MTC 327 (even numbered fall semesters only), MUP 210.</li> </ul>
★ MTC 323: Composition	3	C	
MTC 320: Modal Counterpoint	2	C	
MTC 327: Intermediate form and Analysis	3	C	
MUP 121: Studio Instruction	1	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
4** MUP Music Ensemble	1	C	
★ Complete MUP 231.			
Term hours subtotal:	14		

Term 6 75 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	<ul style="list-style-type: none"> <li>• Courses offered in spring semester only: MHL 342, MTC 433.</li> <li>• Gather a list of professional references.</li> </ul>
★ MTC 433: Orchestration	3	C	
MHL 342: Music History II (HU)	3	C	
MUP 121: Studio Instruction	1	C	
4** MUP Music Ensemble	1	C	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Complete MUP 209 OR MUP 210.

★ Complete MUP 232.

Term hours subtotal: 17

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	• Courses offered in fall semester only: MHL 440, MTC 425, MTC 436.
MHL 440: Topics in 20th-Century Music (L or HU)	3	C	
MTC 425: Studies in 20th-Century Theory	3	C	
MTC 436: Electronic Studio Techniques I	2	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	• Prepare, publicize, and present a public performance.
★ MTC 495: Final Project	0	Y	
MTC Upper Division Elective	3	C	
Complete 3 courses:			
MHL OR MTC OR MUP OR MUE OR MDC Elective	8-9	C	
Term hours subtotal:	14-15		

Hide Course List(s)/Track Group(s)

MUP Ensembles Course List

MUP 442: Instrumental Ensembles or MUP 444: Concert Band

MUP 443: Choral Ensembles or MUP 450: Choral Union or MUP 455: Arizona Statesmen or MUP 457: Women's Chorus or MUP 458: ASU Gospel Choir

MUP 476: New Music Ensemble

MUP 479: Baroque Ensemble , Bass , Brass Chamber Ensembles , Clarinet Choir , Early Music Chamber Choir , Flute Choir , Guitar Ensemble , Piano Ensemble , Piano/String/Woodwind/Brass , Saxophone Choir , Small Saxophone Ensembles , Strings , Trombone Ensemble , Tuba Ensemble , Woodwinds

MUP 485: Percussion Ensemble

MUP 486: Concert Jazz Band , Jazz Repertory Band , Jazz Trombone Ensemble , Latin , Latin Jazz Ensemble , New Music Jazz Ensemble

MUP 489: Ethnomusicology Ensembles

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map






### Theory and Composition (Theory), BMUS





School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

FAMUSTTBM

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: The ASU School of Music Experience required of all freshman students.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MTC 125: Basic Music Theory	3	C	
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MTC 221: Music Theory: 18th Century	3	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Career Milestone: Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>	
 MUP 111: Studio Instruction	2	C		
 4** MUP Music Ensemble	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MHL 140: Sounds and Culture (HU & G)	3	C		
MUP 132: Class Piano	1	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			

Term 3 30 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MTC 222: Music Theory: 19th Century	3	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> </ul>
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	

MUP 231: Class Piano	1	C
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
◆ Complete Mathematics (MA) requirement.		
◆ Complete MUP 131.		
Complete First-Year Composition requirement.		
Term hours subtotal:	17	

- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.
- Select a faculty mentor to guide your degree work.

Term 4 47 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ MTC 223: Music Theory: 20th Century	3	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 223, MTC 321 (even numbered spring semesters only), MUP 232.</li> </ul>
◆ MUP 111: Studio Instruction	2	C	
◆ 4** MUP Music Ensemble	1	C	
MTC 321: Tonal Counterpoint	2	C	
MUP 232: Class Piano	1	C	
MHL OR MTC OR MUP OR MUE OR MDC Elective	3	C	
Natural Science - Quantitative (SQ)	4		
◆ Complete MUP 132.			
Term hours subtotal:	16		

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	<ul style="list-style-type: none"> <li>• Complete one semester of conducting by end of term 6; students may choose either MUP 209 or MUP 210.</li> <li>• Courses offered in fall semester only: MHL 341, MTC 320 (odd numbered fall semesters only), MTC 327 (even numbered fall semesters only), MTC 425, MUP 210.</li> </ul>
MTC 320: Modal Counterpoint	2	C	
MTC 327: Intermediate form and Analysis	3	C	
MTC 425: Studies in 20th-Century Theory	3	C	
MUP 121: Studio Instruction	1	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
Upper Division 4** MUP Music Ensemble	1	C	
MTC Upper Division Elective	2-3	C	
★ Complete MUP 231.			
Term hours subtotal:	16-17		

Term 6 79 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	<ul style="list-style-type: none"> <li>• Courses offered in spring semester only: MHL 342, MTC 428 (odd numbered spring semesters only).</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
MTC 428: Advanced form and Analysis	3	C	
MUP 121: Studio Instruction	1	C	
Upper Division 4** MUP Music Ensemble	1	C	
MTC Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	1	C	
Literacy and Critical Inquiry (L)	3		



★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Complete MUP 209 OR MUP 210.

★ Complete MUP 232.

Term hours subtotal: 15

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	<ul style="list-style-type: none"> <li>MHL 438 or MHL 440 (fall only) or MHL 439 (spring only) recommended to complete the upper-division music history elective and upper-division literacy and critical inquiry general studies requirement. Otherwise, students must take an upper-division MHL elective in term 7 and an upper-division literacy and critical inquiry course in term 8.</li> <li>Courses offered in fall semester only: MTC 422.</li> </ul>
★ MTC 422: Musical Acoustics	3	C	
MHL 439: Topics in 19th-Century Music (L & H) OR MHL 440: Topics in 20th-Century Music (L or HU) OR MHL 438: Topics in 18th-Century Music (L & H) OR Upper Division MHL course (L)	3	C	
MUP 121: Studio Instruction	1	C	
Upper Division 4** MUP Music Ensemble	1	C	
MTC Upper Division Elective	2-3	C	
Term hours subtotal:	13-14		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 496: Theory Project	3	C	<ul style="list-style-type: none"> <li>MHL 438 or MHL 440 (fall only) or MHL 439 (spring only) recommended to complete the upper-division music history elective and upper-division literacy and critical inquiry general studies requirement. Otherwise, students must take an upper-division MHL elective in term 7 and an upper-division literacy and critical inquiry course in term 8.</li> <li>Complete a capstone project.</li> </ul>
MUP 121: Studio Instruction	1	C	
Upper Division 4** MUP Music Ensemble	1	C	
MTC Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective	2-3	C	
Elective OR MDC 484: Internship OR MHL 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	13-14		

Hide Course List(s)/Track Group(s)

4\*\* MUP Ensembles Course List

MUP 442: Instrumental Ensembles or MUP 444: Concert Band

MUP 443: Choral Ensembles or MUP 450: Choral Union or MUP 455: Arizona Statesmen or MUP 457: Women's Chorus or MUP 458: ASU Gospel Choir

MUP 476: New Music Ensemble

MUP 479: Baroque Ensemble , Bass , Brass Chamber Ensembles , Chamber Choir , Clarinet Choir , Early Music Chamber Choir , Flute Choir , Guitar Ensemble , Piano Ensemble , Piano/String/Woodwind/Brass , Saxophone Choir , Small Saxophone Ensembles , Strings , Trombone Ensemble , Tuba Ensemble , Woodwinds

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MUP 485: Percussion Ensemble

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MUP 486: Concert Jazz Band , Jazz Repertory  
Band , Jazz Trombone Ensemble , Latin , Latin  
Jazz Ensemble , New Music Jazz Ensemble

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MUP 489: Ethnomusicology Ensembles

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Aeronautical Management Technology (Air Traffic Management), BS




School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Polytechnic campus](#)

ESAMTATBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 ASU 101-TPS: The ASU Experience	1		
AMT 220: Aviation Meteorology	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 201: Air Traffic Control	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ATC 230: Fundamentals of Air Traffic Management	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.</li> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
AMT 222: Instrument Pilot Ground School	3	C	
AMT 280: Aerospace Structures, Materials and Systems	4	C	
PHY 112: General Physics (SQ)	3		
PHY 114: General Physics Laboratory (SQ)	1		
 Complete MAT 170 course(s).			
Term hours subtotal:	14		

Term 4 43 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		

AMT 214: Commercial Pilot Ground School	3	C
AMT 287: Aircraft Powerplants	4	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB)	3	

◆ Complete AMT 214 AND AMT 222 course(s).

Term hours subtotal: 16

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

Term 5 59 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ AMT 308: Air Transportation (G)	3	C
★ AMT 360: Aircraft Dispatch Ground School	3	C
AMT 350: Aircraft Design and Logistics Management	4	C
ATC 331: Tower Operations	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	

Term hours subtotal: 16

- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

Term 6 75 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ AMT 460: Aircraft Dispatch Capstone	3	C
AMT 396: Aviation Professional	1	C
AMT 408: National Aviation Policy	3	C
AMT 442: Aviation Law and Regulations	3	C
ATC 332: TRACON Operations	3	C
ATC 431: Tower Operations and Procedures	3	C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 16

- Research and prepare for graduate school.
- Apply for a Fulton Schools 4+1 program.
- Develop a professional profile online.

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ATC 333: En Route Operations	3	C
AMT 410: Aviation Safety and Human Factors	3	C
ATC 432: TRACON Operations and Procedures	3	C
ATC 484: Internship	3	C
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3	

Term hours subtotal: 15

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in-person or virtual practice interview.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ATC 491: Air Traffic Management Capstone	3	C
AMT 444: Airport Management and Planning	3	C
ATC 433: En Route Operations and Procedures	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Elective	2	

Term hours subtotal: 14

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Aeronautical Management Technology (Air Transportation Management), BS




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSAMTMBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 ASU 101-TPS: The ASU Experience	1		
AMT 220: Aviation Meteorology	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 TMC 110: Understanding the Enterprise	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 201: Air Traffic Control	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.</li> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
AMT 280: Aerospace Structures, Materials and Systems	4	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
PHY 112: General Physics (SQ)	3		
PHY 114: General Physics Laboratory (SQ)	1		
 Complete MAT 170 course(s).			
Term hours subtotal:	14		

Term 4 43 - 58 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
AMT 287: Aircraft Powerplants	4	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	5		
Elective			
Term hours subtotal:	15		

Term 5 58 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AMT 308: Air Transportation (G)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ TMC 330: Leading the Enterprise	3	C	
AMT 350: Aircraft Design and Logistics Management	4	C	
AMT 442: Aviation Law and Regulations	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TMC 310: Promotion of the Enterprise	3	C	<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
AMT 396: Aviation Professional	1	C	
TMC 410: Enterprise Operations	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AMT 408: National Aviation Policy	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
AMT 410: Aviation Safety and Human Factors	3	C	
AMT 444: Airport Management and Planning	3	C	
OMT 343: Occupational Safety and Ergonomics OR OMT 440: International Business (G) OR OMT 452: Industrial Human Resource Management OR OMT 480: Organizational Effectiveness	3		
TMC 430: Enterprise Strategy and Innovation	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AMT 491: Aviation Management Capstone	3	C	
AMT 456: Organized Labor in Aviation	3	C	
AMT 484: Internship	3	C	
AMT 489: Airline Administration	3	C	
TMC 470: Enterprise Planning and Implementation	3	C	

Term hours subtotal: 15

[Hide Course List\(s\)/Track Group\(s\)](#)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map














### Aeronautical Management Technology (Professional Flight), BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSAMTFBS

Complete [Professional Flight Secondary Application](#).

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 AMT 105: Flight Operations and Safety I	1	C	<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 AMT 182: Private Pilot Ground School	3	C		
 AMT 220: Aviation Meteorology	3	C		
 ASU 101-TPS: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 170: Precalculus (MA)	3	C		
Term hours subtotal:	14			
Term 2 14 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 AMT 110: Flight Operations and Safety II	1	C		<ul style="list-style-type: none"> <li>Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.</li> <li>Professional Flight students are encouraged to continue to progress in flight courses over the summer session.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C		
PHY 111: General Physics (SQ)	3	C		
PHY 113: General Physics Laboratory (SQ)	1	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	14			
Term 3 28 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 AMT 150: Flight Operations and Safety III	1	C	<ul style="list-style-type: none"> <li>Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.</li> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>	
 AMT 222: Instrument Pilot Ground School	3	C		
AMT 201: Air Traffic Control	3	C		
AMT 280: Aerospace Structures, Materials and Systems	4	C		
PHY 112: General Physics (SQ)	3			
PHY 114: General Physics Laboratory (SQ)	1			
 Complete MAT 170 course(s).				
Term hours subtotal:	15			
Term 4 43 - 55 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	

📌 AMT 205: Flight Operations and Safety IV	1	C
📌 AMT 214: Commercial Pilot Ground School	3	C
AMT 286: Multiengine Pilot Ground School	1	C
AMT 287: Aircraft Powerplants	4	C
Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	12	

- Professional Flight students are encouraged to continue to progress in flight courses over the summer session.
- Pursue an **undergraduate research experience**.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 5 55 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 210: Flight Operations and Safety V	1	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ AMT 308: Air Transportation (G)	3	C	
AMT 285: Flight Instructor Ground School	3	C	
AMT 350: Aircraft Design and Logistics Management	4	C	
HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	17		

Term 6 72 - 86 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 250: Flight Operations and Safety VI	1	C	<ul style="list-style-type: none"> <li>• Professional Flight students are encouraged to continue to progress in flight courses over the summer session.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
★ AMT 382: Air Navigation	3	C	
AMT 292: Flight Instructor Instrument Ground School	3	C	
AMT 396: Aviation Professional	1	C	
AMT 442: Aviation Law and Regulations	3	C	
AMT 444: Airport Management and Planning	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 86 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 305: Flight Operations and Safety VII	1	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
★ AMT 482: Airline Instrument Procedures	3	C	
★ AMT 486: Regional Jet Aircraft Systems	3	C	
AMT 360: Aircraft Dispatch Ground School	3	C	
AMT 408: National Aviation Policy	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 8 102 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 490: Regional Jet Operations Capstone	3	C	
AMT 310: Flight Operations and Safety VIII OR Elective	1	C	
AMT 410: Aviation Safety and Human Factors	3	C	
AMT 484: Internship	2	C	
AMT 489: Airline Administration	3	C	

Social-Behavioral Sciences (SB)	3
Upper Division Literacy and Critical Inquiry (L)	3
Term hours subtotal:	18

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Aeronautical Management Technology (Unmanned Aerial Systems), BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSAMTUASBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 ASU 101-TPS: The ASU Experience	1		
AMT 220: Aviation Meteorology	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 170: Introduction to Unmanned Aircraft Systems	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 270: Unmanned Aircraft	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.</li> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
AMT 280: Aerospace Structures, Materials and Systems	4	C	
HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete MAT 170 course(s).			
Term hours subtotal:	16		
Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AMT 201: Air Traffic Control	3	C	<ul style="list-style-type: none"> <li>Pursue an <a href="#">undergraduate research experience</a>.</li> <li>Apply for <a href="#">internships</a>.</li> </ul>
AMT 287: Aircraft Powerplants	4	C	
PHY 112: General Physics (SQ)	3		

PHY 114: General Physics Laboratory (SQ)	1
Literacy and Critical Inquiry (L)	3
Term hours subtotal:	14

- Attend career fairs and events.

Term 5 59 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 308: Air Transportation (G)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at student organization competitions or professional societies.</li> </ul>
AMT 350: Aircraft Design and Logistics Management	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	16		

Term 6 75 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 370: Unmanned Aircraft Systems	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for a <a href="#">Fulton Schools 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
AMT 396: Aviation Professional	1	C	
AMT 442: Aviation Law and Regulations	3	C	
AMT 444: Airport Management and Planning	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 91 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 470: Unmanned Aircraft Payloads, Sensors, and Control Stations	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <a href="#">practice interview</a>.</li> </ul>
AMT 408: National Aviation Policy	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	4		
Term hours subtotal:	13		

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 495: Unmanned Aircraft Systems Operations	3	C	
AMT 410: Aviation Safety and Human Factors	3	C	
AMT 484: Internship	3	C	
AMT 489: Airline Administration	3	C	
Elective	4		
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

Total Hours: 120

Upper Division Hours: 45 minimum

General University Requirements Legend

General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.















## 2019 - 2020 Major Map

### Aerospace Engineering (Aeronautics), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESAEROBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• ASU 101-AEE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.</li> <li>• If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
ASU 101-AEE: The ASU Experience	1			
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C		
FSE 100: Introduction to Engineering	2	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
<hr/>				
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>	
 MAT 242: Elementary Linear Algebra	2	C		
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
MAE 215: Introduction to Programming in MATLAB	1	C		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
<hr/>				
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a</li> </ul>	
 MAT 267: Calculus for Engineers III (MA)	3	C		
 MAT 275: Modern Differential Equations (MA)	3	C		

⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
⚠ Complete CHM 114 OR CHM 116 course(s).		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research</b> experience.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
⚠ MAE 213: Mechanics of Materials	3	C	
⚠ MAE 242: Introduction to Fluid Mechanics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 360: Aerodynamics (L)	4	C	<ul style="list-style-type: none"> <li>Both AEE 360 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
MAE 241: Introduction to Thermodynamics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MAE 318: System Dynamics and Control I	4	C	
Term hours subtotal:	14		

Term 6 76 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 344: Fundamentals of Aircraft Design	3	C	<ul style="list-style-type: none"> <li>Both AEE 362 and AEE 360 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
AEE 313: Aircraft Dynamics and Control	3	C	
AEE 325: Aerospace Structures and Materials	4	C	
AEE 362: High-Speed Aerodynamics (L)	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	17		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 463: Aircraft Propulsion	3	C	<ul style="list-style-type: none"> <li>For additional information about Upper Division Technical Elective course options, please visit: <b>Upper Division Technical Electives</b></li> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
AEE 415: Vibration Analysis	3	C	
MAE 400: Engineering Profession (L)	3	C	
Upper Division Technical Elective	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ AEE 468: Aircraft Systems Design	3	C
AEE 462: Space Vehicle Dynamics and Control	3	C
Upper Division Technical Elective	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:		12

- For additional information about Upper Division Technical Electives, please visit: [Upper Division Technical Electives](#)

- For additional information about Upper Division Technical Elective options, please visit: [Upper Division Technical Electives](#)

Hide Course List(s)/Track Group(s)

Upper Division Technical Electives
AEE 426: Design of Aerospace Structures
AEE 465: Rocket Propulsion
AEE 466: Rotary Wing Aerodynamics and Performance
AEE 471: Computational Fluid Dynamics
EEE 407: Digital Signal Processing
MAE 341: Mechanism Analysis and Design
MAE 404: Finite Elements in Engineering
MAE 417: System Dynamics and Control II
MAE 436: Combustion
MAE 455: Polymers and Composites
MEE 323: Computer-Aided Engineering II
MEE 340: Heat Transfer
MEE 351: Manufacturing Processes
MEE 434: Internal Combustion Engines
MEE 440: Renewable Energy: Mechanical Systems
MEE 441: Wind Energy
MEE 472: Intermediate Fluid Mechanics
MEE 482: Intermediate Thermodynamics
Students may choose no more than one course from the following:
AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)
AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)

BME 350: Signals and Systems for  
Bioengineers

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CEE 440: Hydrology

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CHM 325: Analytical Chemistry

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EEE 304: Signals and Systems II

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EEE 333: Hardware Design Languages and  
Programmable Logic

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EEE 334: Circuits II

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EEE 350: Random Signal Analysis

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EEE 480: Feedback Systems

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EEE 481: Computer-Controlled Systems

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EGR 433: Transforms and Systems Modeling

---

FSE 301: Entrepreneurship and Value Creation

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IEE 300: Economic Analysis for Engineers

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MAT 300: Mathematical Structures (L)

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MAT 371: Advanced Calculus I

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MAT 420: Scientific Computing

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MAT 421: Applied Computational Methods  
(CS)

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MAT 423: Numerical Analysis I (CS)

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MAT 425: Numerical Analysis II (CS)

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MAT 451: Mathematical Modeling (CS)

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MSE 330: Thermodynamics of Materials

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PHY 310: Classical Particles, Fields, and  
Matter I

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PHY 361: Introductory Modern Physics

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SES 311: Essentials of Astrobiology:  
Exploration for Life in the Universe

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SES 350: Engineering Systems and  
Experimental Problem Solving

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SES 405: Exploration Systems Engineering

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SES 410: Senior Exploration Project I

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By approval only:

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MAE 484: Internship

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MAE 492: Honors Directed Study

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MAE 493: Honors Thesis (L)

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MAE 498: Pro-Seminar or MAE 499:  
Individualized Instruction

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\*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.















## 2019 - 2020 Major Map

### Aerospace Engineering (Astronautics), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESAEASBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• ASU 101-AEE and FSE 100 required for freshmen and should be completed first semester.</li> <li>• If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-AEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering OR SES 100: Introduction to Exploration (CS)	2-3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16-17		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do</li> </ul>
 MAT 267: Calculus for Engineers III (MA)	3	C	
 MAT 275: Modern Differential Equations (MA)	3	C	

🚩 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
🚩 Complete CHM 114 OR CHM 116 course(s).		
🚩 Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		14

- informational interviews and mentor with alumni.
- Create a **technical resume**.

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
🚩 MAE 213: Mechanics of Materials	3	C	
🚩 MAE 242: Introduction to Fluid Mechanics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:		16	

Term 5 62 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 360: Aerodynamics (L)	4	C	<ul style="list-style-type: none"> <li>• Both AEE 360 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
EEE 203: Signals and Systems I	3	C	
MAE 241: Introduction to Thermodynamics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MAE 318: System Dynamics and Control I	4	C	
Term hours subtotal:		17	

Term 6 79 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 462: Space Vehicle Dynamics and Control	3	C	<ul style="list-style-type: none"> <li>• Both AEE 362 and AEE 360 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
AEE 325: Aerospace Structures and Materials	4	C	
AEE 362: High-Speed Aerodynamics (L)	4	C	
EEE 350: Random Signal Analysis	3	C	
Term hours subtotal:		14	

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 445: Fundamentals of Spacecraft Design	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
AEE 465: Rocket Propulsion	3	C	
MAE 400: Engineering Profession (L)	3	C	
Upper Division EEE Technical Elective	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 480: Space Systems Design	3	C	
Upper Division Technical Elective	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Humanities, Arts and Design (HU)	3
Term hours subtotal:	12

- For more information about Technical Electives, please visit: [Upper Division Technical Electives](#)

- For more information about Upper Division Technical Elective options, please visit: [Upper Division Technical Electives](#)

Hide Course List(s)/Track Group(s)

Upper Division EEE Technical Elective	Upper Division Technical Elective
EEE 455: Communication Systems	AEE 313: Aircraft Dynamics and Control
EEE 459: Communication Networks	AEE 344: Fundamentals of Aircraft Design
	AEE 415: Vibration Analysis
	AEE 426: Design of Aerospace Structures
	AEE 463: Aircraft Propulsion
	AEE 466: Rotary Wing Aerodynamics and Performance
	AEE 471: Computational Fluid Dynamics
	AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)
	AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)
	CHM 325: Analytical Chemistry
	EEE 304: Signals and Systems II
	EEE 333: Hardware Design Languages and Programmable Logic
	EEE 334: Circuits II
	EEE 407: Digital Signal Processing
	EEE 480: Feedback Systems
	EEE 481: Computer-Controlled Systems
	EGR 317: Humanitarian Engineering Project II
	EGR 433: Transforms and Systems Modeling
	FSE 301: Entrepreneurship and Value Creation
	GLG 404: Fundamentals of Planetary Geology
	IEE 300: Economic Analysis for Engineers
	MAE 341: Mechanism Analysis and Design
	MAE 404: Finite Elements in Engineering

MAE 417: System Dynamics and Control II

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MAE 436: Combustion

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MAE 455: Polymers and Composites

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MAT 300: Mathematical Structures (L)

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MAT 371: Advanced Calculus I

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MAT 420: Scientific Computing

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MAT 421: Applied Computational Methods  
(CS)

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MAT 423: Numerical Analysis I (CS)

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MAT 425: Numerical Analysis II (CS)

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MAT 451: Mathematical Modeling (CS)

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MEE 323: Computer-Aided Engineering II

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MEE 340: Heat Transfer

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MEE 351: Manufacturing Processes

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MEE 434: Internal Combustion Engines

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MEE 440: Renewable Energy: Mechanical  
Systems

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MEE 441: Wind Energy

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MEE 472: Intermediate Fluid Mechanics

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MEE 482: Intermediate Thermodynamics

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MSE 330: Thermodynamics of Materials

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PHY 310: Classical Particles, Fields, and  
Matter I

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PHY 361: Introductory Modern Physics

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SES 311: Essentials of Astrobiology:  
Exploration for Life in the Universe

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SES 350: Engineering Systems and  
Experimental Problem Solving

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SES 405: Exploration Systems Engineering

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SES 410: Senior Exploration Project I

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SES 494: Modeling and Analysis of Space  
Thermal Systems

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By approval only:

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MAE 484: Internship

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MAE 492: Honors Directed Study

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MAE 493: Honors Thesis (L)

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MAE 498: Pro-Seminar or MAE 499:  
Individualized Instruction

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\*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

















## 2019 - 2020 Major Map

### Aerospace Engineering (Autonomous Vehicle Systems), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESAEAVSBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• ASU 101-AEE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.</li> <li>• If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
ASU 101-AEE: The ASU Experience	1			
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C		
FSE 100: Introduction to Engineering	2	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
<hr/>				
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>	
 MAT 242: Elementary Linear Algebra	2	C		
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
MAE 215: Introduction to Programming in MATLAB	1	C		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
<hr/>				
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a</li> </ul>	
 MAT 267: Calculus for Engineers III (MA)	3	C		
 MAT 275: Modern Differential Equations (MA)	3	C		

◆ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
PHY 132: University Physics Laboratory II (SQ)	1	C
MAE 214: Computer-Aided Engineering I	1	C
◆ Complete CHM 114 OR CHM 116 course(s).		
Complete Mathematics (MA) requirement.		
◆ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:		14

technical resume, job shadow, do informational interviews and mentor with alumni.

- Create a **technical resume**.

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research</b> experience.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
◆ MAE 213: Mechanics of Materials	3	C	
◆ MAE 242: Introduction to Fluid Mechanics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 360: Aerodynamics (L)	4	C	<ul style="list-style-type: none"> <li>• Both AEE 360 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
MAE 241: Introduction to Thermodynamics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MAE 318: System Dynamics and Control I	4	C	
Term hours subtotal:	14		

Term 6 76 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 313: Aircraft Dynamics and Control	3	C	<ul style="list-style-type: none"> <li>• Both AEE 362 and AEE 360 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
AEE 325: Aerospace Structures and Materials	4	C	
AEE 362: High-Speed Aerodynamics (L)	4	C	
Track Focus Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	17		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 478: Fundamentals of Autonomous Aircraft Systems	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
AEE 463: Aircraft Propulsion	3	C	
MAE 400: Engineering Profession (L)	3	C	
Upper Division Track Focus Course	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 479: Design of Autonomous Aircraft Systems	3	C	

AEE 462: Space Vehicle Dynamics and Control	3	C
POS 325: Public Policy Development (SB) OR POS 300: Contemporary Global Controversies (SB & G) OR POS 370: Law and Society (SB) OR PHI 306: Applied Ethics (HU)	3	
Upper Division Track Focus Course	3	C
Term hours subtotal:	12	

- Track Focus courses are listed below. Students must select (3) courses from the same track.

Hide Course List(s)/Track Group(s)

Communications Track	Guidance, Navigation, and Controls Track
EEE 203: Signals and Systems I	EEE 480: Feedback Systems
EEE 304: Signals and Systems II	EEE 481: Computer-Controlled Systems
EEE 350: Random Signal Analysis	MAE 417: System Dynamics and Control II
EEE 455: Communication Systems	MAE 494: Guidance and Navigation of Aerospace Vehicles
EEE 459: Communication Networks	MAE 506: Advanced System Modeling, Dynamics, and Control
*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form.	*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Aviation), BAS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSAMTABAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>Students may meet lower division general studies requirements with the AAS degree.</li> <li>Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 308: Air Transportation (G)	3	C	
ASC 315: Numeracy in Technology (MA) OR Upper Division Elective	3		
ASC 325: Physical Sciences in Technology (SQ) OR Upper Division Elective	4		
TMC 330: Leading the Enterprise	3	C	
Upper Division Elective	3		
Term hours subtotal:	16		<ul style="list-style-type: none"> <li>If MA requirement already met with AAS degree, student should take an upper-division elective.</li> <li>If SQ requirement already met with AAS degree, student should take an upper-division elective.</li> <li>Plan for success using the <a href="#">Junior Guide</a>.</li> <li>Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 442: Aviation Law and Regulations	3	C	
AMT 396: Aviation Professional	1	C	
AMT Upper Division Elective	3	C	
Historical Awareness (H)	3		
Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	1		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		<ul style="list-style-type: none"> <li>Research and prepare for <a href="#">graduate school</a>.</li> <li>Apply for a <a href="#">Fulton Schools 4+1 program</a>.</li> <li>Develop a <a href="#">professional profile online</a>.</li> </ul>

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 408: National Aviation Policy	3	C	
AMT Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses:			
Any needed lower division General Studies requirement OR Elective	6		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in-person or virtual <a href="#">practice interview</a>.</li> </ul>

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 491: Aviation Management Capstone	3	C	
AMT 489: Airline Administration	3	C	
TMC 470: Enterprise Planning and Implementation	3	C	
Upper Division Elective	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Graphic Information Technology), BAS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSGITBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
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AAS Transfer Degree Block

60

Term hours subtotal: 60

- Students may meet lower division general studies requirements with the AAS degree.
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GIT 337: Web Content Design

3

GIT 315: Digital Video Techniques

3

GIT 384: Commercial Photography

3

Focus Area

3

Upper Division Elective

3

Term hours subtotal: 15

- Select a primary focus area consisting of 12 credit hours of focused courses (minimum of 9 hours must be upper-division). Sample focus areas are listed below. Additional focus areas may be available, please check with your academic advisor.
- Plan for success using the [Junior Guide](#).
- Network at [student organization](#) competitions or professional societies.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GIT 303: Digital Publishing

3

GIT 314: Multimedia Design, Planning and Storyboards

3

Upper Division Focus Area

3

Upper Division Elective

3

Any needed lower division General Studies requirement OR Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Research and prepare for [graduate school](#).
- Apply for a [Fulton Schools 4+1 program](#).
- Develop a [professional profile online](#).

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GIT 450: Digital Workflow in Graphic Industries

3

GIT 432: Graphic Industry Business Practices

3

Upper Division Focus Area

3

Complete 2 courses:

6

Upper Division Elective

Term hours subtotal: 15

- Plan for success using the [Senior Guide](#).
- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Minimum

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
★ GIT 480: Senior Project	3		
GIT 413: Professional Portfolio Design and Presentation	3		
Upper Division Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended)	3		
Term hours subtotal:	15		

- Students in the BAS GIT program select a primary focus area consisting of 12 credit hours of focused courses (minimum of nine hours must be upper-division). Sample focus areas are listed below. Additional focus areas may be available, please check with your academic advisor.

Hide Course List(s)/Track Group(s)

Commercial Photography and Video	Digital Design, Print, and Publishing	Front-End Web Design and Development
GIT 295: Introduction to Technical Imaging	GIT 333: Printing Technology	GIT 340: Information Design and Usability
GIT 334: Image Editing and Manipulation	GIT 334: Image Editing and Manipulation	GIT 402: New Media Internet Technologies
GIT 415: Advanced Digital Video Techniques	GIT 437: Color Reproduction Systems	GIT 414: Web Site Design and Internet/Web Technologies
GIT 490: Advanced Commercial Photography	GIT 494: Special Topics	GIT 417: Advanced Web Markup and Scripting
GIT 494: Special Topics	TWC 411: Principles of Visual Communication (L)	GIT 418: Multimedia Authoring, Scripting and Production
		GIT 435: Website and E-Commerce Strategies
		GIT 494: Special Topics
Game Art & Animation		
GIT 211: Introduction to Video Game Art		
GIT 312: 3-D Computer Graphics Modeling and Representation (CS)		
GIT 334: Image Editing and Manipulation		
GIT 411: Computer Animation		
GIT 494: Special Topics		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Applied Science (Internet and Web Development), BAS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSIWDBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 337: Web Content Design	3		
GIT 334: Image Editing and Manipulation	3		
GIT 340: Information Design and Usability	3		
Upper Division Elective	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 417: Advanced Web Markup and Scripting	3		
GIT 414: Web Site Design and Internet/Web Technologies	3		
Complete 3 courses:			
Any needed lower division General Studies requirement OR Elective	9		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for a <a href="#">Fulton Schools 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 418: Multimedia Authoring, Scripting and Production	3		
GIT 432: Graphic Industry Business Practices	3		
GIT 450: Digital Workflow in Graphic Industries	3		
Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended)	3		
Upper Division Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <a href="#">practice interview</a>.</li> </ul>
Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 480: Senior Project	3		

GIT 413: Professional Portfolio Design and Presentation	3
GIT 435: Website and E-Commerce Strategies	3
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Any needed lower division General Studies requirement OR Elective	3
Term hours subtotal:	15

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Internet and Web Development), BAS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online](#)

TSIWDBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
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AAS Transfer Degree Block

60

Term hours subtotal:

60

- Students may meet lower division general studies requirements with the AAS degree.
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GIT 337: Web Content Design

3

Upper Division Elective

3

Any needed lower division General Studies requirement OR Elective

3

Term hours subtotal:

9

Term 5 - B 69 - 75 Credit Hours	Hours	Minimum Grade	Notes
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GIT 334: Image Editing and Manipulation

3

GIT 340: Information Design and Usability

3

Term hours subtotal:

6

- Plan for success using the [Junior Guide](#).
- Network at [student organization](#) competitions or professional societies.

Term 6 - A 75 - 81 Credit Hours	Hours	Minimum Grade	Notes
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GIT 414: Web Site Design and Internet/Web Technologies

3

Any needed lower division General Studies requirement OR Elective

3

Term hours subtotal:

6

Term 6 - B 81 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GIT 417: Advanced Web Markup and Scripting

3

Complete 2 courses:

Any needed lower division General Studies requirement OR Elective

6

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal:

9

- Research and prepare for [graduate school](#).
- Apply for a [Fulton Schools 4+1 program](#).
- Develop a [professional profile online](#).

Term 7 - A 90 - 96 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GIT 418: Multimedia Authoring, Scripting and Production

3

GIT 432: Graphic Industry Business Practices

3

Term hours subtotal: 6

Term 7 - B 96 - 105 Credit Hours	Hours	Minimum Grade	Notes
GIT 450: Digital Workflow in Graphic Industries	3		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended)	3		
Upper Division Elective	3		
Term hours subtotal:	9		

Term 8 - A 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
GIT 413: Professional Portfolio Design and Presentation	3		
GIT 435: Website and E-Commerce Strategies	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 480: Senior Project	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Operations Management), BAS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#), [ASU@Pinal](#), [ASU@The Gila Valley](#)  
TSIMCOBAS

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students transferring from a regionally accredited Arizona public community college may be able to transfer up to 15 additional credit hours of transferable general studies courses (75 credit hours total). Students should work with their academic advisor to ensure their courses will meet degree requirements.

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>Students may meet lower division general studies requirements with the AAS degree.</li> <li>Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 401: Statistics in Science and Technology Studies (CS)	3	C	
★ TMC 110: Understanding the Enterprise	3	C	
TEM 330: Systems Innovation	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Junior Guide</a>.</li> <li>Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 330: Leading the Enterprise	3	C	
Complete 2 courses:			
Upper Division Focus Area Course	6	C	
Upper Division Elective	3		
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Research and prepare for <a href="#">graduate school</a>.</li> <li>Apply for a <a href="#">Fulton Schools 4+1 program</a>.</li> <li>Develop a <a href="#">professional profile online</a>.</li> </ul>

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 410: Enterprise Operations	3	C	
TMC 430: Enterprise Strategy and Innovation	3	C	
TMC 470: Enterprise Planning and Implementation	3	C	
Focus Area Course	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in-person or virtual <a href="#">practice interview</a>.</li> </ul>

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 498: Pro-Seminar (L)	3	C	
OMT 402: Legal Issues for Technologists	3	C	
Complete 2 courses: Upper Division Focus Area Course	6	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

- Students in this program select a focus area consisting of 15 hours of focused courses (minimum of 12 hours upper-division). Focus areas are listed below. Please note that all focus area courses must come from a single area. If you have questions about your options, please contact your academic advisor.

Hide Course List(s)/Track Group(s)

Process Innovation	Technology Entrepreneurship
OMT 343: Occupational Safety and Ergonomics	FSE 301: Entrepreneurship and Value Creation
OMT 430: Ethical Issues in Technology	OMT 343: Occupational Safety and Ergonomics
TEM 230: Creativity and Business Innovation	OMT 430: Ethical Issues in Technology
TEM 250: Design Methodology	TEM 200: My Technology Venture
TEM 494: Data Driven Decision Making	TEM 230: Creativity and Business Innovation
TEM 494: Digital Promotion and Analytics	TEM 250: Design Methodology
TMC 331: Quality Assurance	TEM 311: Opportunity Analysis
	TEM 400: Technology Entrepreneurship
	TEM 431: Innovation Management
	TEM 494: Crowdfunding, Currency, & Blockchain Innovations
	TEM 494: Data Driven Decision Making
	TEM 494: Digital Promotion and Analytics

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**  
 General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Operations Management), BAS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online](#)

TSIMCOBAS

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students transferring from a regionally accredited Arizona public community college may be able to transfer up to 15 additional credit hours of transferable general studies courses (75 credit hours total). Students should work with their academic advisor to ensure their courses will meet degree requirements.

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
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AAS Transfer Degree Block

60

Term hours subtotal:

60

- Students may meet lower division general studies requirements with the AAS degree.
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 5 - A 60 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TMC 110: Understanding the Enterprise

3

C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)

3

Upper Division Elective

3

Term hours subtotal:

9

Term 5 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ STS 401: Statistics in Science and Technology Studies (CS)

3

C

TEM 330: Systems Innovation

3

C

Term hours subtotal:

6

- Plan for success using the [Junior Guide](#).
- Network at [student organization](#) competitions or professional societies.

Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TMC 330: Leading the Enterprise

3

C

Focus Area Course

3

C

Term hours subtotal:

6

Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Upper Division Focus Area Course

3

C

Upper Division Elective

3

Any needed lower division General Studies requirement OR Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal:

9

- Select a focus area consisting of 15 hours of focused courses (minimum 12 hours of upper-division). Focus areas are listed below. Please note that all focus area courses must come from a single area. If you have questions about your options, please contact your academic advisor.



- Research and prepare for [graduate school](#).
- Apply for a [Fulton Schools 4+1 program](#).
- Develop a [professional profile online](#).

Term 7 - A 90 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TMC 410: Enterprise Operations	3	C	
Upper Division Focus Area Course	3	C	
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
TMC 430: Enterprise Strategy and Innovation	3	C	
TMC 470: Enterprise Planning and Implementation	3	C	
Term hours subtotal:	6		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <a href="#">practice interview</a>.</li> </ul>

Term 8 - A 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TMC 498: Pro-Seminar (L)	3	C	
Upper Division Focus Area Course	3	C	
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
OMT 402: Legal Issues for Technologists	3	C	
Upper Division Focus Area Course	3	C	
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	9		

- Students in this program select a focus area consisting of 15 hours of focused courses (minimum of 12 hours upper-division). Focus areas are listed below. Please note that all focus area courses must come from a single area. If you have questions about your options, please contact your academic advisor.

Hide Course List(s)/Track Group(s)

Process Innovation	Technology Entrepreneurship
OMT 343: Occupational Safety and Ergonomics	FSE 301: Entrepreneurship and Value Creation
OMT 430: Ethical Issues in Technology	OMT 343: Occupational Safety and Ergonomics
TEM 230: Creativity and Business Innovation	OMT 430: Ethical Issues in Technology
TEM 250: Design Methodology	TEM 200: My Technology Venture
TEM 494: Data Driven Decision Making	TEM 230: Creativity and Business Innovation
TEM 494: Digital Promotion and Analytics	TEM 250: Design Methodology
TMC 331: Quality Assurance	

TEM 311: Opportunity Analysis

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TEM 400: Technology Entrepreneurship

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TEM 431: Innovation Management

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TEM 494: Crowdfunding, Currency, &  
Blockchain Innovations

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TEM 494: Data Driven Decision Making

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TEM 494: Digital Promotion and Analytics

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map









### Biomedical Engineering, BSE





School/College: [Ira A. Fulton Schools of Engineering](#)


Location: [Tempe campus](#)




ESBMEBSE



Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-BME: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all students.</li> <li>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See Advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
BME 100: Introduction to Biomedical Engineering	3	C	
BME 182: Biomedical Engineering Product Design and Development I	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		



Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
BME 122: Statistics for Biomedical Engineers	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete BME 100			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		




Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
 PHY 132: University Physics Laboratory II (SQ)	1	C	
BME 213: Biomedical and Bioengineering Ethics	1	C	
BME 214: FDA Regulatory Processes and Technical Communications	1	C	
CSE 110: Principles of Programming (CS)	3	C	

ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C
MAE 215: Introduction to Programming in MATLAB	1	C
 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BME 200: Conservation Principles in Biomedical Engineering	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
 MAT 275: Modern Differential Equations (MA)	3	C	
BME 235: Physiology for Engineers	4	C	
BME 282: Biomedical Engineering Product Design and Development II	1	C	
EEE 202: Circuits I	4	C	
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BME 350: Signals and Systems for Bioengineers	3	C	<ul style="list-style-type: none"> <li>The general studies requirements for HU or SB and the awareness areas do not have to be taken in exact combinations (as outlined on the major map). By the end of term 8, all need to be completed, however the combinations may vary.</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
BME 301: Numerical Methods in Biomedical Engineering	2	C	
BME 318: Biomaterials	4	C	
BME 331: Transport Phenomena for Biomedical Engineering	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BME 370: Microcomputer Applications in Biomedical Engineering	3	C	<ul style="list-style-type: none"> <li>The general studies requirements for HU or SB and the awareness areas do not have to be taken in exact combinations (as outlined on the major map). By the end of term 8, all need to be completed, however the combinations may vary.</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
BME 300: Bioengineering Product Design	3	C	
BME 316: Biomechanics for Biomedical Engineers	3	C	
BME 340: Thermodynamics for Biomedical Engineers	3	C	
BME 382: Biomedical Engineering Product Design and Development III	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	16		

Term 7 93 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BME 417: Biomedical Engineering Capstone Design I (L)	4	C	<ul style="list-style-type: none"> <li>The general studies requirements for HU or SB and the awareness areas do not have to be taken in exact combinations (as outlined on the major map). By the end of term 8, all need to be completed, however the combinations may vary.</li> <li>Additional information regarding approved related electives can be found online <b>here</b>.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> </ul>
BME 413: Biomedical Instrumentation (L)	3	C	
BME 423: Biomedical Instrumentation Laboratory (L)	1	C	
Upper Division Related Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

- Use [Handshake](#) to apply for full-time positions.
- Complete an in-person or virtual [practice interview](#).

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BME 490: Biomedical Engineering Capstone Design II (L)	4	C	<ul style="list-style-type: none"> <li>• The general studies requirements for HU or SB and the awareness areas do not have to be taken in exact combinations (as outlined on the major map). By the end of term 8, all need to be completed, however the combinations may vary.</li> <li>• Additional information regarding approved related electives can be found online <a href="#">here</a>.</li> </ul>
<i>Complete 2 courses:</i>			
Upper Division Related Elective	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

Upper Division Related Elective (Imaging)	Upper Division Related Elective (Math)	Upper Division Related Elective (Professional)
EEE 307: Signal Processing for Digital Culture	MAE 384: Advanced Mathematical Methods for Engineers (CS)	BME 394: SBHSE Research Projects or BME 394: Honors Research
EEE 334: Circuits II	MAT 300: Mathematical Structures (L)	BME 492: Honors Directed Study
EEE 350: Random Signal Analysis	MAT 310: Introduction to Geometry	BME 493: Honors Thesis (L)
EEE 352: Properties of Electronic Materials	MAT 342: Linear Algebra	
EEE 407: Digital Signal Processing	MAT 343: Applied Linear Algebra	
EEE 480: Feedback Systems	MAT 355: Introduction to Computational Molecular Biology (CS)	
EEE 481: Computer-Controlled Systems	MAT 394: Forensic DNA Analysis	
PHY 361: Introductory Modern Physics	MAT 451: Mathematical Modeling (CS)	
	MAT 460: Vector Calculus	
	PAF 301: Applied Statistics (CS)	
	STP 421: Probability	
	STP 429: Experimental Statistics (CS)	
Upper Division Related Elective (Biomechanics)	Upper Division Related Elective (Pre-Medical)	Upper Division Related Elective (Business, Entrepreneurship, Management)
ASM 341: Human Osteology	BCH 361: Advanced Principles of Biochemistry	ACC 382: Accounting and Financial Analysis
BME 416: Advanced Biomechanics	BCH 367: Elementary Biochemistry Laboratory	AGB 302: International Management and Agribusiness (G)
KIN 334: Functional Anatomy and Kinesiology	BIO 302: Cancer--Mother of All Diseases (L)	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
KIN 335: Biomechanics	BIO 340: General Genetics	BUA 380: Small Business Leadership
KIN 340: Physiology of Exercise	BIO 360: Animal Physiology	BUA 381: Small Business Accounting and Finance

KIN 348: Psychological Skills for Optimal Performance (SB)	BIO 440: Functional Genomics	BUA 383: Small Business Working Relationships
KIN 352: Psychosocial Aspects of Physical Activity (SB & C)	BIO 467: Neurobiology	BUS 384: Business Operations and Planning
KIN 412: Biomechanics of the Skeletal System	BMI 465: Introduction to Comparative Genomics	CHE 494: Six Sigma Methodology/Engineering Experimentation
KIN 413: Qualitative Analysis in Sport Biomechanics	CHM 341: Elementary Physical Chemistry	CIS 300: Web Design and Development
KIN 414: Electromyographic Kinesiology (L)	HCD 320: Applied Medical/Health Care Ethics (HU)	COM 312: Communication, Conflict, and Negotiation
KIN 440: Exercise Biochemistry	HCR 350: Introduction to Clinical Research	ECN 306: Survey of International Economics (SB & G)
MAE 318: System Dynamics and Control I	MIC 314: HIV/AIDS: Science, Behavior, and Society	ENT 360: Entrepreneurship and Value Creation
MAE 417: System Dynamics and Control II	MIC 360: Bacterial Physiology	FIN 300: Fundamentals of Finance
MAE 341: Mechanism Analysis and Design	MIC 420: Immunology: Molecular and Cellular Foundations	FIN 380: Personal Financial Management
MEE 322: Structural Mechanics	NTR 457: Sports Nutrition	FSE 301: Entrepreneurship and Value Creation
		HON 394: Deductive Logic, Leadership/Management Techniques
		HON 494: Genetics and the Law
		HON 494: Information Measurement Theory I
		IEE 300: Economic Analysis for Engineers
		IEE 320: Extreme Excel
		IEE 369: Work Analysis and Design (L)
		IEE 431: Engineering Administration (L)
		IND 464: Collaborative Design Development I (L)
		IND 465: Collaborative Design Development II (L)
		LES 305: Business Law and Ethics for Managers
		LES 380: Consumer Perspective of Business Law
		MGT 300: Organization and Management Leadership
		MGT 302: Principles of International Business (G)
		MGT 380: Management and Strategy for Nonmajors
		MKT 300: Marketing and Business Performance
		MKT 370: Professional Sales and Relationship Management

MKT 390: Essentials of Marketing

MKT 391: Essentials of Selling

PAF 410: Building Leadership Skills (SB)

PHI 306: Applied Ethics (HU)

SCM 300: Global Supply Operations

SOC 334: Technology and Society (L or SB)

STS 304: Science, Technology, and Society (SB)

STS 332: Global Issues in Science and Technology (SB)

TWC 451: Copyright and Intellectual Property in the Electronic Age

Upper Division Related Elective (Neural)	Upper Division Related Elective (Molecular, Cellular, Materials)
BIO 467: Neurobiology	BCH 461: General Biochemistry
CSE 310: Data Structures and Algorithms	BCH 462: General Biochemistry
CSE 340: Principles of Programming Languages	BCH 467: Analytical Biochemistry Laboratory (L)
CSE 412: Database Management	BIO 331: Animal Behavior
EDP 310: Emotional Intelligence (SB)	BIO 340: General Genetics
EDP 310: Gender Development (SB)	BIO 345: Organic Evolution
EDP 310: Learning and Memory (SB)	BIO 353: Cell Biology
EDP 310: Motivation (SB)	BIO 355: Introduction to Computational Molecular Biology (CS)
EDP 310: Understanding the Brain (SB)	BIO 360: Animal Physiology
PSY 325: Physiological Psychology	BIO 440: Functional Genomics
PSY 470: Psychopharmacology	BIO 467: Neurobiology
	BMI 465: Introduction to Comparative Genomics
	CHE 475: Biochemical Engineering
	CHM 302: Environmental Chemistry
	CHM 341: Elementary Physical Chemistry
	LSC 347: Fundamentals of Genetics
	MBB 343: Genetic Engineering and Society (L)
	MBB 347: Molecular Genetics: From Genes to Proteins
	MBB 440: Functional Genomics
	MEE 340: Heat Transfer

MIC 360: Bacterial Physiology

MIC 420: Immunology: Molecular and Cellular Foundations

MSE 301: Materials and Civilization

MSE 330: Thermodynamics of Materials

MSE 335: Materials Kinetics and Processing

MSE 355: Structure and Defects

MSE 356: Structures, Properties, and Defects Lab

MSE 415: Mathematical and Computer Methods in Materials (CS)

MSE 420: Physical Metallurgy

MSE 421: Physical Metallurgy Laboratory

MSE 440: Mechanical Behavior of Materials

MSE 442: Fatigue, Fracture, and Creep of Materials

MSE 450: Introduction to Materials Characterization

MSE 451: Introduction to Materials Characterization Lab

MSE 458: Introduction to Electronic, Magnetic, and Optical Properties

MSE 460: Nanomaterials in Energy Production and Storage

MSE 470: Polymers and Composites

MSE 471: Introduction to Ceramics

MSE 482: Materials Engineering Design (L)

MSE 494: Bioinspired Materials and Biomaterials

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)



- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map








### Chemical Engineering, BSE






School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCHEBSE





Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students.</li> <li>• ASU 101-CHE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.</li> <li>• If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a></li> </ul>
 FSE 100: Introduction to Engineering	2	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CHE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		




Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		





Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHE 211: Introduction to Chemical Processing	3	C	<ul style="list-style-type: none"> <li>• For more information about Bioscience Elective course options, please visit <a href="#">here</a>.</li> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> <li>• Create a <a href="#">technical resume</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	
CHM 233: General Organic Chemistry I	3	C	
CHM 237: General Organic Chemistry Laboratory I	1	C	
Bioscience Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHE 231: Introduction to Transport Phenomena I: Fluids	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research</b> experience.</li> <li>• Apply for internships.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
 MAT 275: Modern Differential Equations (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
CHM 234: General Organic Chemistry II	3	C	
Engineering Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CHE 334: Introduction to Transport Phenomena II: Heat and Mass Transfer	3	C	<ul style="list-style-type: none"> <li>• For more information about the Engineering Elective or Upper Division Advanced Chemistry/Biochemistry Technical Elective, please visit <a href="#">here</a>.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
 CHE 342: Introduction to Applied Chemical Thermodynamics	3	C	
CHE 384: Numerical Methods for Chemical Engineers (CS)	3	C	
Upper Division Advanced Chemistry/Biochemistry Technical Elective	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CHE 433: Modern Separations	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
 CHE 442: Introduction to Chemical Reactor Design	3	C	
CHE 352: Chemical Engineering Lab I (L)	3	C	
IEE 220: Business and Industrial Engineering	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CHE 432: Principles of Chemical Engineering Design	3	C	<ul style="list-style-type: none"> <li>• For more information about Upper Division CHE Technical Electives, please visit <a href="#">here</a>.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
CHE 451: Chemical Engineering Laboratory II	3		
CHE 461: Process Dynamic Control (CS)	3		
Upper Division CHE Technical Elective	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CHE 462: Process Design (L)	3		<ul style="list-style-type: none"> <li>• For more information about Upper Division Advanced Chemistry/Biochemistry Technical Electives, Upper Division CHE Technical</li> </ul>
Upper Division Advanced Chemistry/Biochemistry Technical Elective	3		
Upper Division CHE Technical Elective	3		

Upper Division Natural Science or Materials Science Technical Elective	3	Electives, and Upper Division Natural Science or Materials Science Technical Electives, please visit <a href="#">here</a> .
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	15	

- For a list of Engineering Electives, Upper Division Advanced Chemistry/Biochemistry Technical Electives, CHE Upper Division Technical Electives, and Upper Division Natural Science or MSE Technical Elective course options please visit: [CHE Elective Course Options](#)

Hide Course List(s)/Track Group(s)

Bioscience Electives	Engineering Elective	Upper Division CHE Technical Electives
BIO 181: General Biology I (SQ)	BME 2** Elective	CHE 400 to CHE 489
BIO 182: General Biology II (SG)	CEE 210: Engineering Mechanics I: Statics OR CEE 300: Engineering Business Practice (L) OR CEE 2** Elective	CHE 469: Air Quality Engineering
BIO 201: Human Anatomy and Physiology I (SG)	CSE 2** Elective	CHE 475: Biochemical Engineering
BME 111: Engineering Perspectives on Biological Systems	EEE 202: Circuits I OR EEE 2** Elective	CHE 484 by approval
MIC 205: Microbiology (SG)	IEE 2** Elective	CHE 492/493 max of 6 credits towards CHE TE requirements
MIC 220: Biology of Microorganisms	MAE 2** Elective	CHE 494 by approval
Contact your advisor for additional course options	MSE 250: Structure and Properties of Materials OR MSE 2** Elective	CHE 499 by approval
	Note: MSE 208, 301, or 308 cannot be used	Note: Students may be allowed by instructor consent to take these courses without having the prerequisites fulfilled. Courses not listed here require a department petition form.
	FSE 301: Entrepreneurship and Value Creation	
	IEE 300: Economic Analysis for Engineers	
	IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	
	Contact your advisor for additional course options	
	If interested in a course from a " 2** " range, please work with your advisor for prior approval. Not all courses will be accepted.	
Upper Division Advanced Chemistry/Biochemistry Technical Elective	Upper Division Natural Science or Materials Engineering Technical Electives	
BCH 361: Advanced Principles of Biochemistry	BIO 302: Cancer--Mother of All Diseases (L)	
BCH 461: General Biochemistry	BIO 320: Fundamentals of Ecology	
CHM 302: Environmental Chemistry	BIO 325: Oceanography	
CHM 325: Analytical Chemistry	BIO 340: General Genetics	
CHM 341: Elementary Physical Chemistry	BIO 353: Cell Biology	
	MSE 355: Structure and Defects	

CHM 453: Inorganic Chemistry	MSE 460: Nanomaterials in Energy Production and Storage
CHM 481: Geochemistry	GLG 321: Mineralogy
Contact your advisor for additional course options	GLG 418: Geophysics
	GLG 419: Geodynamics
	MBB 347: Molecular Genetics: From Genes to Proteins
	MIC 360: Bacterial Physiology
	MIC 461: Geomicrobiology
	STP 420: Introductory Applied Statistics (CS) or STP 421: Probability
	Note: Students taking STP 420 or STP 421 cannot take IEE 380 for Engineering Elective
	Contact your advisor for additional course options

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map








### Civil Engineering, BSE








School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCEEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FSE 100: Introduction to Engineering	2	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students and should be completed the first semester.</li> <li>• If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEE 210: Engineering Mechanics I: Statics	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 267: Calculus for Engineers III (MA)	3	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
 PHY 132: University Physics Laboratory II (SQ)	1	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
 Minimum 2.00 GPA ASU Cumulative.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ CEE 212: Engineering Mechanics II: Dynamics	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
⚠ CEE 213: Introduction to Deformable Solids	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ)	3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CEE 321: Structural Analysis and Design	4		<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CEE 351: Geotechnical Engineering	4		
CEE 353: Civil Engineering Materials	4		
CEE 384: Numerical Methods for Engineers (CS)	3		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CEE 361: Introduction to Environmental Engineering	4		<ul style="list-style-type: none"> <li>If the student decides to take MAE 241 they will need to make up the extra hour. They may use any additional CEE, CON, MTH, GLG, BIO, CHM course</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
CEE 341: Fluid Mechanics for Civil Engineers	4		
CEE 372: Transportation Engineering	3		
MAE 241: Introduction to Thermodynamics	3		
BIO OR CEE OR CHM OR GLG OR MAE OR MAT OR MEE OR EGR Elective	1		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CEE 300: Engineering Business Practice (L)	3		<ul style="list-style-type: none"> <li>Technical Elective and Design Elective requirements: See advisor for guidance in selection.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or <b>practice interview</b>.</li> </ul>
Upper Division Design Elective	3		
Complete 3 courses:	9		
Technical Elective			
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CEE 400: Earth Systems Engineering and Management ((L or HU) & H)	3		<ul style="list-style-type: none"> <li>Technical Elective and Design Elective requirements: See advisor for guidance in selection.</li> </ul>
★ CEE 486: Integrated Civil Engineering Design (L)	4		
Upper Division Design Elective	3		
Technical Elective	3		

Term hours subtotal: 13

Hide Course List(s)/Track Group(s)

Technical Elective	Design Elective
CEE 281: Surveying	CEE 412: Pavement Analysis and Design
CEE 412: Pavement Analysis and Design	CEE 420: Steel Structures
CEE 420: Steel Structures	CEE 421: Concrete Structures
CEE 421: Concrete Structures	CEE 441: Water Resources Engineering
CEE 440: Hydrology	CEE 452: Foundations
CEE 441: Water Resources Engineering	CEE 462: Unit Operations in Environmental Engineering
CEE 452: Foundations	CEE 466: Urban Water System Design
CEE 462: Unit Operations in Environmental Engineering	CEE 475: Highway Geometric Design
CEE 466: Urban Water System Design	
CEE 467: Environmental Microbiology	
CEE 474: Transportation Systems Planning	
CEE 475: Highway Geometric Design	
CEE 481: Civil Engineering Project Management	
CEE 483: Highway Materials, Construction, and Quality	
CEE 493: Honors Thesis (L)	
CHE 469: Air Quality Engineering	
CON 453: Construction Technology	
FSE 301: Entrepreneurship and Value Creation	
IEE 431: Engineering Administration (L)	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:



- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map








### Civil Engineering (Sustainable Engineering), BSE







School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCEESUBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FSE 100: Introduction to Engineering	2	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students and should be completed the first semester.</li> <li>• If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CEE 181: Introduction to Sustainable Engineering: Technological, Social, and Sustainable Systems (HU)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEE 210: Engineering Mechanics I: Statics	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 267: Calculus for Engineers III (MA)	3	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
 PHY 132: University Physics Laboratory II (SQ)	1	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		

⚠ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ CEE 212: Engineering Mechanics II: Dynamics	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
⚠ CEE 213: Introduction to Deformable Solids	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ)	3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
MAE 241: Introduction to Thermodynamics	3		
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CEE 361: Introduction to Environmental Engineering	4		<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CEE 341: Fluid Mechanics for Civil Engineers	4		
CEE 353: Civil Engineering Materials	4		
CEE 384: Numerical Methods for Engineers (CS)	3		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CEE 300: Engineering Business Practice (L)	3		<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
CEE 321: Structural Analysis and Design	4		
CEE 351: Geotechnical Engineering	4		
CEE 372: Transportation Engineering	3		
Elective	1		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SOS 300: Advanced Concepts and Integrated Approaches in Sustainability	3		<ul style="list-style-type: none"> <li>Design Elective requirements: See advisor for guidance in selection.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
Complete 2 courses:	6		
Upper Division Design Elective			
Technical Elective	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CEE 486: Integrated Civil Engineering Design (L)	4		<ul style="list-style-type: none"> <li>Technical Elective requirements: See advisor for guidance in selection.</li> </ul>
CEE 400: Earth Systems Engineering and Management ((L or HU) & H)	3		
CEE 485: Sustainable Civil and Environmental Systems Engineering	3		

Technical Elective

3

Term hours subtotal: 13

Hide Course List(s)/Track Group(s)

Design Electives	Approved Technical Elective
CEE 412: Pavement Analysis and Design	BCH 361: Advanced Principles of Biochemistry
CEE 420: Steel Structures	BIO 320: Fundamentals of Ecology
CEE 421: Concrete Structures	CEE 281: Surveying
CEE 441: Water Resources Engineering	CEE 412: Pavement Analysis and Design
CEE 452: Foundations	CEE 420: Steel Structures
CEE 462: Unit Operations in Environmental Engineering	CEE 421: Concrete Structures
CEE 466: Urban Water System Design	CEE 440: Hydrology
CEE 475: Highway Geometric Design	CEE 441: Water Resources Engineering
	CEE 452: Foundations
	CEE 462: Unit Operations in Environmental Engineering
	CEE 466: Urban Water System Design
	CEE 474: Transportation Systems Planning
	CEE 475: Highway Geometric Design
	CEE 481: Civil Engineering Project Management
	CEE 483: Highway Materials, Construction, and Quality
	CEE 493: Honors Thesis (L)
	CEE 494: Sustainable Energy and Material Use
	CEE 499: Individualized Instruction
	CHM 302: Environmental Chemistry
	CHM 341: Elementary Physical Chemistry
	CON 453: Construction Technology
	PUP 442: Environmental Planning

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Computer Science, BS






School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCSEBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken in the first semester.</li> <li>• If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.</li> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Lab Science Requirement AND Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.</li> <li>• Prep for success using the <a href="#">Sophomore Guide</a></li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
 MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science	3	C	
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ CSE 230: Computer Organization and Assembly Language Programming	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.</li> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
⚠ CSE 240: Introduction to Programming Languages	3	C	
MAT 343: Applied Linear Algebra	3	C	
Humanities, Arts and Design (HU)	3		
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 310: Data Structures and Algorithms	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CSE 301: Computing Ethics	1	C	
CSE 360: Introduction to Software Engineering	3	C	
CSE 365: Information Assurance	3	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
Elective	3		
Term hours subtotal:		16	

Term 6 79 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 340: Principles of Programming Languages	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
CSE 330: Operating Systems	3	C	
CSE 355: Introduction to Theoretical Computer Science	3	C	
CSE 412: Database Management OR CSE 434: Computer Networks OR CSE 445: Distributed Software Development	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 94 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 485: Computer Science Capstone Project I (L)	3	C	<ul style="list-style-type: none"> <li>• Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the <b>CIDSE website</b> for additional information.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
Complete 2 courses:			
CSE 4** Elective	6	C	
Upper Division Technical Elective	3	C	
Elective	2		
Term hours subtotal:		14	

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CSE 486: Computer Science Capstone Project II (L)	3	C
Complete 2 courses:		
CSE 4** Elective	6	C
Upper Division Technical Elective	3	C
Term hours subtotal:	12	

• Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.

• Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.

Hide Course List(s)/Track Group(s)

Lab Science Requirement	Technical Electives	Technical Electives continued
BIO 181: General Biology I (SQ)	AEE 415: Vibration Analysis	EEE 304: Signals and Systems II
BIO 182: General Biology II (SG)	AEE 426: Design of Aerospace Structures	EEE 333: Hardware Design Languages and Programmable Logic
CHM 113: General Chemistry I (SQ)	AEE 462: Space Vehicle Dynamics and Control	EEE 350: Random Signal Analysis
CHM 116: General Chemistry II (SQ)	AEE 463: Aircraft Propulsion	EEE 360: Energy Systems and Power Electronics
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	AEE 465: Rocket Propulsion	EEE 404: Real-Time DSP Systems
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	AEE 468: Aircraft Systems Design	EEE 407: Digital Signal Processing
GLG 110: Dangerous World (SG & G) AND GLG 111: Dangerous World Laboratory (SG)	AEE 471: Computational Fluid Dynamics	EEE 425: Digital Systems and Circuits
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	AME 430: Mac Development for Media Arts	EEE 433: Analog Integrated Circuits
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	BCH 361: Advanced Principles of Biochemistry	EEE 434: Quantum Mechanics for Engineers
	BCH 461: General Biochemistry	EEE 435: Fundamentals of CMOS and MEMS
	BCH 462: General Biochemistry	EEE 436: Fundamentals of Solid-State Devices
	BIO 340: General Genetics	EEE 437: Optoelectronics
	BIO 343: Genetic Engineering and Society (L)	EEE 439: Semiconductor Facilities and Cleanroom Practices
	BIO 345: Evolution	EEE 443: Antennas for Wireless Communications
	BME 350: Signals and Systems for Bioengineers	EEE 445: Microwaves
	BME 413: Biomedical Instrumentation (L)	EEE 448: Fiber Optics
	BME 416: Advanced Biomechanics	EEE 455: Communication Systems
	CEE 412: Pavement Analysis and Design	EEE 459: Communication Networks
	CEE 432: Developing Software for Engineering Applications	EEE 460: Nuclear Power Engineering
	CEE 440: Hydrology	EEE 463: Electrical Power Plants
	CEE 441: Water Resources Engineering	EEE 470: Electric Power Devices
	CEE 452: Foundations	EEE 471: Power System Analysis
	CEE 462: Unit Operations in Environmental Engineering	EEE 473: Electrical Machinery



CEE 466: Urban Water System Design	EEE 480: Feedback Systems
CEE 467: Environmental Microbiology	EEE 481: Computer-Controlled Systems
CEE 474: Transportation Systems Planning	FSE 301: Entrepreneurship and Value Creation
CEE 475: Highway Geometric Design	IEE 376: Operations Research Deterministic Techniques/Applications
CEE 481: Civil Engineering Project Management	IEE 381: Lean Six Sigma Methodology
CEE 483: Highway Materials, Construction, and Quality	IEE 385: Engineering Statistics: Probability
CEE 486: Integrated Civil Engineering Design (L)	IEE 412: Introduction to Financial Engineering
CHE 342: Introduction to Applied Chemical Thermodynamics	IEE 426: Operations Research in Healthcare
CHE 432: Principles of Chemical Engineering Design	IEE 431: Engineering Administration (L)
CHE 442: Introduction to Chemical Reactor Design	IEE 456: Introduction to Systems Engineering
CHE 461: Process Dynamic Control (CS)	IEE 458: Project Management
CHE 462: Process Design (L)	IEE 461: Production Control
CHE 469: Air Quality Engineering	IEE 470: Stochastic Operations Research
CHE 475: Biochemical Engineering	IEE 474: Quality Control
CIS 415: Big Data Analytics in Business	IEE 475: Simulating Stochastic Systems (CS)
CPI 350: Evaluation of Informatics Systems	MAE 341: Mechanism Analysis and Design
CPI 360: Decision Making and Problem Solving	MAE 404: Finite Elements in Engineering
CPI 411: Graphics for Games	MAE 417: System Dynamics and Control II
CPI 460: Intelligent Interactive Instructional Systems	MAE 436: Combustion
CPI 462: Design for Learning in Virtual Worlds	MAE 455: Polymers and Composites
CSE 325: Embedded Microprocessor Systems	MAT Upper Division Elective
CSE 335: Principles of Mobile Application Development	Except for: MAT 300, MAT 340, MAT 342, MAT 343 and MAT 485
CSE 4** Elective	MEE 434: Internal Combustion Engines
Except for: CSE 485 and CSE 486	MEE 446: Energy Systems Design
	PHY 302: Mathematical Methods in Physics II
	PHY 361: Introductory Modern Physics
	PHY 462: Particle and Nuclear Physics
	PHY 494: Computational Methods in Physics
	SER 421: Web-Based Applications and Mobile Systems
	SER 422: Web Application Programming
	SER 423: Mobile Systems
	STP 421: Probability

STP 425: Stochastic Processes

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STP 427: Mathematical Statistics

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STP 429: Experimental Statistics (CS)

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NOTE: Maximum 3 hours CSE 484 or FSE 301. Maximum 6 hours of CSE 484, 492, 493 or 499. Some Technical Electives may require additional prerequisites.

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Computer Science (Cybersecurity), BS






School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)





ESCSEIBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students and should be taken in the first semester.</li> <li>• If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a></li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		



Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.</li> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Lab Science Requirement AND Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.</li> <li>• Prep for success using the <a href="#">Sophomore Guide</a></li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
 MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science	3	C	
Lab Science Requirement AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			


Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 230: Computer Organization and Assembly Language Programming	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.</li> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
 CSE 240: Introduction to Programming Languages	3	C	
MAT 343: Applied Linear Algebra	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Lab Science Requirement AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
 Minimum 2.00 GPA ASU Cumulative.			



Term hours subtotal: 16

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 310: Data Structures and Algorithms	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CSE 301: Computing Ethics	1	C	
CSE 360: Introduction to Software Engineering	3	C	
CSE 365: Information Assurance	3	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
Elective	3		



Term hours subtotal: 16

Term 6 79 - 94 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 340: Principles of Programming Languages	3	C	<ul style="list-style-type: none"> <li>• Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the <b>CIDSE website</b> for additional information.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
CSE 330: Operating Systems	3	C	
CSE 355: Introduction to Theoretical Computer Science	3	C	
Upper Division Technical Elective	3	C	
Humanities, Arts and Design (HU)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 15

Term 7 94 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 485: Computer Science Capstone Project I (L)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
CSE 466: Computer Systems Security	3	C	
CSE 468: Computer Network Security	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	2		

Term hours subtotal: 14

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 486: Computer Science Capstone Project II (L)	3	C	

CSE 412: Database Management OR CSE 434: Computer Networks OR CSE 445: Distributed Software Development	3	C
CSE 469: Computer and Network Forensics	3	C
Cyber Security Elective	3	C
Term hours subtotal:	12	

- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.

Hide Course List(s)/Track Group(s)

Lab Science Requirement	Cyber Security Electives	Technical Electives
BIO 181: General Biology I (SQ)	CSE 460: Software Analysis and Design	AEE 415: Vibration Analysis
BIO 182: General Biology II (SG)	CSE 463: Introduction to Human Computer Interaction	AEE 426: Design of Aerospace Structures
CHM 113: General Chemistry I (SQ)	CSE 471: Introduction to Artificial Intelligence	AEE 462: Space Vehicle Dynamics and Control
CHM 116: General Chemistry II (SQ)		AEE 463: Aircraft Propulsion
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)		AEE 465: Rocket Propulsion
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)		AEE 468: Aircraft Systems Design
GLG 110: Dangerous World (SG & G) AND GLG 111: Dangerous World Laboratory (SG)		AEE 471: Computational Fluid Dynamics
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)		AME 430: Mac Development for Media Arts
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)		BCH 361: Advanced Principles of Biochemistry
		BCH 461: General Biochemistry
		BCH 462: General Biochemistry
		BIO 340: General Genetics
		BIO 343: Genetic Engineering and Society (L)
		BIO 345: Evolution
		BME 350: Signals and Systems for Bioengineers
		BME 413: Biomedical Instrumentation (L)
		BME 416: Advanced Biomechanics
		CEE 412: Pavement Analysis and Design
		CEE 432: Developing Software for Engineering Applications
		CEE 440: Hydrology
		CEE 441: Water Resources Engineering
		CEE 452: Foundations
		CEE 462: Unit Operations in Environmental Engineering

CEE 466: Urban Water System Design

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CEE 467: Environmental Microbiology

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CEE 474: Transportation Systems Planning

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CEE 475: Highway Geometric Design

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CEE 481: Civil Engineering Project Management

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CEE 483: Highway Materials, Construction, and Quality

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CEE 486: Integrated Civil Engineering Design (L)

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CHE 342: Introduction to Applied Chemical Thermodynamics

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CHE 432: Principles of Chemical Engineering Design

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CHE 442: Introduction to Chemical Reactor Design

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CHE 461: Process Dynamic Control (CS)

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CHE 462: Process Design (L)

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CHE 469: Air Quality Engineering

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CHE 475: Biochemical Engineering

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CIS 415: Big Data Analytics in Business

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CPI 350: Evaluation of Informatics Systems

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CPI 360: Decision Making and Problem Solving

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CPI 411: Graphics for Games

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CPI 460: Intelligent Interactive Instructional Systems

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CPI 462: Design for Learning in Virtual Worlds

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CSE 325: Embedded Microprocessor Systems

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CSE 335: Principles of Mobile Application Development

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CSE 4\*\* Elective

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Except for: CSE 485 and CSE 486

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Technical Electives continued

EEE 304: Signals and Systems II

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EEE 333: Hardware Design Languages and Programmable Logic

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EEE 350: Random Signal Analysis

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EEE 360: Energy Systems and Power  
Electronics

EEE 404: Real-Time DSP Systems

EEE 407: Digital Signal Processing

EEE 425: Digital Systems and Circuits

EEE 433: Analog Integrated Circuits

EEE 434: Quantum Mechanics for Engineers

EEE 435: Fundamentals of CMOS and MEMS

EEE 436: Fundamentals of Solid-State  
Devices

EEE 437: Optoelectronics

EEE 439: Semiconductor Facilities and  
Cleanroom Practices

EEE 443: Antennas for Wireless  
Communications

EEE 445: Microwaves

EEE 448: Fiber Optics

EEE 455: Communication Systems

EEE 459: Communication Networks

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

EEE 470: Electric Power Devices

EEE 471: Power System Analysis

EEE 473: Electrical Machinery

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

FSE 301: Entrepreneurship and Value Creation

IEE 376: Operations Research Deterministic  
Techniques/Applications

IEE 381: Lean Six Sigma Methodology

IEE 385: Engineering Statistics: Probability

IEE 412: Introduction to Financial Engineering

IEE 426: Operations Research in Healthcare

IEE 431: Engineering Administration (L)

IEE 456: Introduction to Systems Engineering

IEE 458: Project Management

IEE 461: Production Control

IEE 470: Stochastic Operations Research

IEE 474: Quality Control

IEE 475: Simulating Stochastic Systems (CS)

MAE 341: Mechanism Analysis and Design

MAE 404: Finite Elements in Engineering

MAE 417: System Dynamics and Control II

MAE 436: Combustion

MAE 455: Polymers and Composites

MAT Upper Division Elective

Except for: MAT 300, MAT 340, MAT 342,  
MAT 343 and MAT 485

MEE 434: Internal Combustion Engines

MEE 446: Energy Systems Design

PHY 302: Mathematical Methods in Physics II

PHY 361: Introductory Modern Physics

PHY 462: Particle and Nuclear Physics

PHY 494: Computational Methods in Physics

SER 421: Web-Based Applications and  
Mobile Systems

SER 422: Web Application Programming

SER 423: Mobile Systems

STP 421: Probability

STP 425: Stochastic Processes

STP 427: Mathematical Statistics

STP 429: Experimental Statistics (CS)

NOTE: Maximum 3 hours CSE 484 or FSE  
301. Maximum 6 hours of CSE 484, 492, 493  
or 499. Some Technical Electives may require  
additional prerequisites.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:



- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Computer Science (Software Engineering), BS






School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCSESBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students and should be taken in the first semester.</li> <li>• If ENG 105 is taken, a three (3) semester elective must also be taken prior to graduation.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.</li> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Lab Science Requirement AND Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.</li> <li>• Prep for success using the <a href="#">Sophomore Guide</a></li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
 MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science	3	C	
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ CSE 230: Computer Organization and Assembly Language Programming	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.</li> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
⚠ CSE 240: Introduction to Programming Languages	3	C	
MAT 343: Applied Linear Algebra	3	C	
Humanities, Arts and Design (HU)	3		
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 310: Data Structures and Algorithms	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CSE 301: Computing Ethics	1	C	
CSE 360: Introduction to Software Engineering	3	C	
CSE 365: Information Assurance	3	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
Elective	3		
Term hours subtotal:		16	

Term 6 79 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 340: Principles of Programming Languages	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
CSE 330: Operating Systems	3	C	
CSE 355: Introduction to Theoretical Computer Science	3	C	
CSE 445: Distributed Software Development	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 94 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 485: Computer Science Capstone Project I (L)	3	C	<ul style="list-style-type: none"> <li>• Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the <b>CIDSE website</b> for additional information.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
CSE 460: Software Analysis and Design	3	C	
CSE 464: Software Quality Assurance and Testing	3	C	
Upper Division Technical Elective	3	C	
Elective	2		
Term hours subtotal:		14	

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 486: Computer Science Capstone Project II (L)	3	C	

CSE 446: Software Integration and Engineering	3	C
CSE 463: Introduction to Human Computer Interaction OR CSE 466: Computer Systems Security OR CSE 467: Data and Information Security OR CSE 468: Computer Network Security	3	C
Upper Division Technical Elective	3	C
Term hours subtotal:	12	

• Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.

• Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.

Hide Course List(s)/Track Group(s)

Lab Science Requirement	Technical Electives	Technical Electives continued
BIO 181: General Biology I (SQ)	AEE 415: Vibration Analysis	EEE 304: Signals and Systems II
BIO 182: General Biology II (SG)	AEE 426: Design of Aerospace Structures	EEE 333: Hardware Design Languages and Programmable Logic
CHM 113: General Chemistry I (SQ)	AEE 462: Space Vehicle Dynamics and Control	EEE 350: Random Signal Analysis
CHM 116: General Chemistry II (SQ)	AEE 463: Aircraft Propulsion	EEE 360: Energy Systems and Power Electronics
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	AEE 465: Rocket Propulsion	EEE 404: Real-Time DSP Systems
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	AEE 468: Aircraft Systems Design	EEE 407: Digital Signal Processing
GLG 110: Dangerous World (SG & G) AND GLG 111: Dangerous World Laboratory (SG)	AEE 471: Computational Fluid Dynamics	EEE 425: Digital Systems and Circuits
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	AME 430: Mac Development for Media Arts	EEE 433: Analog Integrated Circuits
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	BCH 361: Advanced Principles of Biochemistry	EEE 434: Quantum Mechanics for Engineers
	BCH 461: General Biochemistry	EEE 435: Fundamentals of CMOS and MEMS
	BCH 462: General Biochemistry	EEE 436: Fundamentals of Solid-State Devices
	BIO 340: General Genetics	EEE 437: Optoelectronics
	BIO 343: Genetic Engineering and Society (L)	EEE 439: Semiconductor Facilities and Cleanroom Practices
	BIO 345: Evolution	EEE 443: Antennas for Wireless Communications
	BME 350: Signals and Systems for Bioengineers	EEE 445: Microwaves
	BME 413: Biomedical Instrumentation (L)	EEE 448: Fiber Optics
	BME 416: Advanced Biomechanics	EEE 455: Communication Systems
	CEE 412: Pavement Analysis and Design	EEE 459: Communication Networks
	CEE 432: Developing Software for Engineering Applications	EEE 460: Nuclear Power Engineering
	CEE 440: Hydrology	EEE 463: Electrical Power Plants
	CEE 441: Water Resources Engineering	EEE 470: Electric Power Devices
	CEE 452: Foundations	EEE 471: Power System Analysis

CEE 462: Unit Operations in Environmental Engineering	EEE 473: Electrical Machinery
CEE 466: Urban Water System Design	EEE 480: Feedback Systems
CEE 467: Environmental Microbiology	EEE 481: Computer-Controlled Systems
CEE 474: Transportation Systems Planning	FSE 301: Entrepreneurship and Value Creation
CEE 475: Highway Geometric Design	IEE 376: Operations Research Deterministic Techniques/Applications
CEE 481: Civil Engineering Project Management	IEE 381: Lean Six Sigma Methodology
CEE 483: Highway Materials, Construction, and Quality	IEE 385: Engineering Statistics: Probability
CEE 486: Integrated Civil Engineering Design (L)	IEE 412: Introduction to Financial Engineering
CHE 342: Introduction to Applied Chemical Thermodynamics	IEE 426: Operations Research in Healthcare
CHE 432: Principles of Chemical Engineering Design	IEE 431: Engineering Administration (L)
CHE 442: Introduction to Chemical Reactor Design	IEE 456: Introduction to Systems Engineering
CHE 461: Process Dynamic Control (CS)	IEE 458: Project Management
CHE 462: Process Design (L)	IEE 461: Production Control
CHE 469: Air Quality Engineering	IEE 470: Stochastic Operations Research
CHE 475: Biochemical Engineering	IEE 474: Quality Control
CIS 415: Big Data Analytics in Business	IEE 475: Simulating Stochastic Systems (CS)
CPI 350: Evaluation of Informatics Systems	MAE 341: Mechanism Analysis and Design
CPI 360: Decision Making and Problem Solving	MAE 404: Finite Elements in Engineering
CPI 411: Graphics for Games	MAE 417: System Dynamics and Control II
CPI 460: Intelligent Interactive Instructional Systems	MAE 436: Combustion
CPI 462: Design for Learning in Virtual Worlds	MAE 455: Polymers and Composites
CSE 325: Embedded Microprocessor Systems	MAT Upper Division Elective
CSE 335: Principles of Mobile Application Development	Except for: MAT 300, MAT 340, MAT 342, MAT 343 and MAT 485
CSE 4** Elective	MEE 434: Internal Combustion Engines
Except for CSE 485 and CSE 486	MEE 446: Energy Systems Design
	PHY 302: Mathematical Methods in Physics II
	PHY 361: Introductory Modern Physics
	PHY 462: Particle and Nuclear Physics
	PHY 494: Computational Methods in Physics
	SER 421: Web-Based Applications and Mobile Systems
	SER 422: Web Application Programming
	SER 423: Mobile Systems
	STP 421: Probability

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STP 425: Stochastic Processes

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STP 427: Mathematical Statistics

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STP 429: Experimental Statistics (CS)

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NOTE: Maximum 3 hours CSE 484 or FSE 301. Maximum 6 hours of CSE 484, 492, 493 or 499. Some Technical Electives may require additional prerequisites.

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Computer Systems Engineering, BSE






School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)




ESCSEBSE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken in the first semester.</li> <li>• If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a></li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Biology or Chemistry Course	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 220: Programming for Computer Engineering	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research</b> experience.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
 CSE 230: Computer Organization and Assembly Language Programming	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
Humanities, Arts and Design (HU)	3		


Term hours subtotal: 16

Term 5 63 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 310: Data Structures and Algorithms	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CSE 301: Computing Ethics	1	C	
CSE 320: Design and Synthesis of Digital Hardware	3	C	
EEE 202: Circuits I	4	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	

Term hours subtotal: 14

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 325: Embedded Microprocessor Systems	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
CSE 330: Operating Systems	3	C	
CSE 360: Introduction to Software Engineering	3	C	
EEE 334: Circuits II	4	C	
MAT 343: Applied Linear Algebra	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 16

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 423: Systems Capstone Project I (L)	3	C	<ul style="list-style-type: none"> <li>• Please see course lists below for CSE Technical Electives. Contact CIDSE Advising or visit the <b>CIDSE website</b> for additional information. Maximum 6 hours at the 300-level.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
CSE 434: Computer Networks	3	C	
Complete 2 courses:	6	C	
Upper Division CSE Technical Elective			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 424: Systems Capstone Project II (L)	3	C	<ul style="list-style-type: none"> <li>• Please see course lists below for CSE Technical Electives. Contact CIDSE Advising or visit the <b>CIDSE website</b> for additional</li> </ul>
CSE 420: Computer Architecture I	3	C	
Complete 2 courses:			



4\*\* CSE Technical Elective

6

C

Term hours subtotal:

12

information. Maximum 6 hours at the 300-level.

- Please see course lists below for CSE Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information. Maximum 6 hours at the 300-level.

Hide Course List(s)/Track Group(s)

Biology or Chemistry Courses	CSE Technical Electives
BIO 181: General Biology I (SQ)	Note: 6 hours maximum of 300-level Technical Electives. 6 hours minimum of 400-level Technical Electives.
BIO 182: General Biology II (SG)	
CHM 113: General Chemistry I (SQ)	Maximum 3 hours of CSE 484 or FSE 301.
CHM 114: General Chemistry for Engineers (SQ)	Maximum 6 hours of CSE 484, 492, 493 or 499.
CHM 116: General Chemistry II (SQ)	Some Technical Electives may require additional prerequisites.
	Students considering graduate program in Computer Science should take CSE 340 and CSE 355.
	CPI 350: Evaluation of Informatics Systems
	CPI 411: Graphics for Games
	CSE 335: Principles of Mobile Application Development
	CSE 340: Principles of Programming Languages
	CSE 355: Introduction to Theoretical Computer Science
	CSE 365: Information Assurance
	4** Elective
	Not from CSE 423 or 424.
	EEE 304: Signals and Systems II
	EEE 350: Random Signal Analysis
	EEE 404: Real-Time DSP Systems
	EEE 407: Digital Signal Processing
	EEE 425: Digital Systems and Circuits
	EEE 455: Communication Systems
	EEE 480: Feedback Systems
	EEE 481: Computer-Controlled Systems
	FSE 301: Entrepreneurship and Value Creation
	Academic Catalog Archive 2019-2020

IEE 385: Engineering Statistics: Probability

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MAT 416: Introduction to Graph Theory

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MAT 421: Applied Computational Methods  
(CS)

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MAT 447: Cryptography I

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MAT 448: Cryptography II

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PHY 302: Mathematical Methods in Physics II

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PHY 333: Electronic Circuits and  
Measurements

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PHY 441: Statistical and Thermal Physics

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Computer Systems Engineering (Cybersecurity), BSE






School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCSEIBSE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken in the first semester.</li> <li>• If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a></li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Biology or Chemistry Course	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CSE 220: Programming for Computer Engineering	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
⚠ CSE 230: Computer Organization and Assembly Language Programming	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
Humanities, Arts and Design (HU)	3		

Term hours subtotal: 16

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 310: Data Structures and Algorithms	3	C	<ul style="list-style-type: none"> <li>Plan for success using the Junior Guide.</li> <li>Network at student organization competitions or professional societies.</li> </ul>
CSE 301: Computing Ethics	1	C	
CSE 320: Design and Synthesis of Digital Hardware	3	C	
EEE 202: Circuits I	4	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	

Term hours subtotal: 14

Term 6 77 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 325: Embedded Microprocessor Systems	3	C	<ul style="list-style-type: none"> <li>Research and prepare for graduate school.</li> <li>Apply for an engineering 4+1 program.</li> <li>Develop a professional profile online.</li> </ul>
CSE 330: Operating Systems	3	C	
CSE 360: Introduction to Software Engineering	3	C	
CSE 365: Information Assurance	3	C	
EEE 334: Circuits II	4	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 16

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 423: Systems Capstone Project I (L)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the Senior Guide.</li> <li>Use Handshake to apply for full-time positions.</li> <li>Complete an in-person or virtual practice interview.</li> </ul>
CSE 434: Computer Networks	3	C	
CSE 466: Computer Systems Security	3	C	
CSE 468: Computer Network Security	3	C	
MAT 343: Applied Linear Algebra	3	C	

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 424: Systems Capstone Project II (L)	3	C	
CSE 420: Computer Architecture I	3	C	
CSE 469: Computer and Network Forensics	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

Biology or Chemistry Course

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 113: General Chemistry I (SQ)

CHM 114: General Chemistry for Engineers  
(SQ)

CHM 116: General Chemistry II (SQ)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map








### Construction Engineering, BSE







School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCONBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent required of all freshman students</li> <li>• ASU 101-CON should be completed the first semester.</li> <li>• If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 FSE 100: Introduction to Engineering	2	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CON: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CON 101: Construction and Culture: a Built Environment (HU & H)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CNE 210: Engineering Mechanics I: Statics	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 267: Calculus for Engineers III (MA)	3	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
 PHY 132: University Physics Laboratory II (SQ)	1	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	16		

⚠ Minimum 2.00 GPA ASU Cumulative.

.....  
 Complete Mathematics (MA) requirement.  
 .....

Term hours subtotal: 16

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ CNE 212: Engineering Mechanics II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
⚠ CNE 213: Introduction to Deformable Solids	3	C	
⚠ CNE 243: Heavy Construction Equipment, Methods and Materials	3		
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BME 111: Engineering Perspectives on Biological Systems OR GLG 101: Introduction to Geology I (Physical) (SQ)	3-4		
CNE 271: Construction Safety	3	C	
Term hours subtotal:	15-16		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CNE 321: Structural Analysis and Design	4		<ul style="list-style-type: none"> <li>• If students take MAE 241 they will need to make up 1 credit hour in a Civil, Construction, math or science course.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CNE 353: Civil Engineering Materials	4		
EEE 202: Circuits I OR MAE 241: Introduction to Thermodynamics	4-3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
Term hours subtotal:	15-14		

Term 6 77 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CNE 383: Construction Estimating	4		<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b></li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
CNE 241: Surveying	3		
CNE 351: Geotechnical Engineering	4		
CNE 400: Earth Systems Engineering and Management ((L or HU) & H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Summer 6 91 - 92 Credit Hours	Hours	Minimum Grade	Notes
CNE 484: Internship	1		
Term hours subtotal:	1		

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CNE 453: Construction Technology	3		<ul style="list-style-type: none"> <li>• Design Elective requirements: Complete a total of 2 design electives.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
CNE 495: Construction Planning and Scheduling (CS)	3		
Upper Division Design Elective	3		
Technical Elective	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CNE 486: Integrated Civil Engineering Design (L)	4
CNE 455: Construction Project Management II	3
CNE 496: Construction Contract Administration (L)	3
Upper Division Design Elective	3
Term hours subtotal:	13

- Design Elective requirements: Complete a total of 2 design electives.

Hide Course List(s)/Track Group(s)

Design Elective	Technical Elective
CEE 420: Steel Structures	CEE 372: Transportation Engineering
CEE 421: Concrete Structures	CEE 412: Pavement Analysis and Design
CEE 452: Foundations	CEE 420: Steel Structures
	CEE 421: Concrete Structures
	CEE 432: Developing Software for Engineering Applications
	CEE 440: Hydrology
	CEE 441: Water Resources Engineering
	CEE 452: Foundations
	CEE 462: Unit Operations in Environmental Engineering
	CEE 466: Urban Water System Design
	CEE 467: Environmental Microbiology
	CEE 474: Transportation Systems Planning
	CEE 475: Highway Geometric Design
	CEE 481: Civil Engineering Project Management
	CEE 483: Highway Materials, Construction, and Quality
	CEE 493: Honors Thesis (L)
	CEE 494: Concrete Canoe Design
	CEE 494: Steel Bridge Design
	CON 296: Summer Field Internship
	CON 310: Testing of Materials for Construction
	CON 345: Mechanical Systems
	CON 448: Sustainable Construction
	CON 454: Trenchless Construction Methods
	CON 493: Honors Thesis (L)



FSE 301: Entrepreneurship and Value  
Creation

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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map





### Construction Management, BS





School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCONMGTB5

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CON 100: Introduction to Construction	2	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken the first semester.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 CON 101: Construction and Culture: a Built Environment (HU & H)	3	C	
 CON 252: Building Construction Methods, Materials, and Equipment	3	C	
 MAT 170: Precalculus (MA)	3	C	
ASU 101-CON: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CON 244: Working Drawing Analysis	2	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
COM 225: Public Speaking (L)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CON 221: Applied Statics	2	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 CON 251: Microcomputer Applications for Construction	3	C	
CON 243: Heavy Construction Equipment, Methods and Materials	3	C	
STP 226: Elements of Statistics (CS)	3		
Natural Science - Quantitative (SQ)	4		
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

		Minimum	
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Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
⚠ CON 223: Strength of Materials	2	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
⚠ CON 271: Construction Safety	3	C	
CON 241: Surveying	3	C	
CON 345: Mechanical Systems	3		
ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	14		

Summer 4 59 - 60 Credit Hours	Hours	Minimum Grade	Notes
CON 296: Summer Field Internship	1	C	
Term hours subtotal:	1		

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CON 310: Testing of Materials for Construction	4		<ul style="list-style-type: none"> <li>Students must have a minimum 2.50 GPA in order to take LES 305.</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CON 273: Electrical Construction Fundamentals and Project Management	3	C	
CON 383: Construction Estimating	4		
CON 453: Construction Technology	3		
Term hours subtotal:	14		

Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CON 495: Construction Planning and Scheduling (CS)	3		<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
CON 424: Structural Design	3		
CON 448: Sustainable Construction	3		
MGT 380: Management and Strategy for Nonmajors	3		
Upper Division Construction Engineering Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Summer 6 89 - 90 Credit Hours	Hours	Minimum Grade	Notes
CON 484: Internship	1		
Term hours subtotal:	1		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CON 455: Construction Project Management II	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
ACC 382: Accounting and Financial Analysis	3		
CON 487: Heavy Construction Project Management	3		
Upper Division Construction Engineering Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CON 491: Construction Project Capstone	3		

CON 496: Construction Contract Administration (L)	3
ECN 211: Macroeconomic Principles (SB)	3
LES 305: Business Law and Ethics for Managers	3
Upper Division Construction Engineering Elective	3
Term hours subtotal:	15

Hide Course List(s)/Track Group(s)

Construction Engineering Elective
CON 343: Advanced Heavy Equipment Operations
CON 384: Environmental Aspects of Heavy Construction
CON 446: Marketing for Construction
CON 450: Geotechnical Applications for Construction
CON 454: Trenchless Construction Methods
CON 457: Principles of Leadership for Project Managers
CON 483: Advanced Building Estimating
CON 486: Heavy Construction Estimating
CON 488: Heavy Construction Earthworks
CON 494: Front End Planning
CON 494: Temporary Structures and Reinforcement Methods

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map







### Electrical Engineering, BSE





School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESEEEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students and should be taken the first semester.</li> <li>• If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-EEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
CSE 100: Principles of Programming with C++ (CS)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
EEE 120: Digital Design Fundamentals	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 202: Circuits I	4		<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
MAT 267: Calculus for Engineers III (MA)	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
 Complete First-Year Composition requirement.			
 Minimum 2.00 GPA ASU Cumulative.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ EEE 203: Signals and Systems I	3		<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
⚠ EEE 241: Fundamentals of Electromagnetics	3		
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
PHY 241: University Physics III	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EEE 334: Circuits II	4		<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
EEE 230: Computer Organization and Assembly Language Programming	3		
EEE 350: Random Signal Analysis	3		
Upper Division Area Pathway Course	4		
Term hours subtotal:	14		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 3 courses:</i> Upper Division Area Pathway Course	12		<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EEE 488: Senior Design Laboratory I (L)	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Math or Science or Engineering Elective	3		
<i>Complete 2 courses:</i> Upper Division Technical Elective	6		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EEE 489: Senior Design Laboratory II (L)	3		
<i>Complete 3 courses:</i> Upper Division Technical Elective	9		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Technical Electives	Math or Science or Engineering Elective	Area Pathway Course
EEE 404: Real-Time DSP Systems	AEE Upper Division Elective	EEE 304: Signals and Systems II
EEE 407: Digital Signal Processing	BIO Upper Division Elective	EEE 333: Hardware Design Languages and Programmable Logic
EEE 425: Digital Systems and Circuits	BME Upper Division Elective	EEE 335: Analog and Digital Circuits
EEE 433: Analog Integrated Circuits	CEE Upper Division Elective	EEE 341: Engineering Electromagnetics
EEE 434: Quantum Mechanics for Engineers	CHE Upper Division Elective	EEE 352: Properties of Electronic Materials
EEE 435: Fundamentals of CMOS and MEMS	CHM Upper Division Elective	EEE 360: Energy Systems and Power Electronics
EEE 436: Fundamentals of Solid-State Devices	CPI Upper Division Elective	
EEE 437: Optoelectronics	CSE Upper Division Elective	
EEE 439: Semiconductor Facilities and Cleanroom Practices	FSE Upper Division Elective	
EEE 443: Antennas for Wireless Communications	IEE Upper Division Elective	
EEE 445: Microwaves	MAE Upper Division Elective	
EEE 448: Fiber Optics	MAT Upper Division Elective	
EEE 455: Communication Systems	MSE Upper Division Elective	
EEE 459: Communication Networks	PHY Upper Division Elective	
EEE 460: Nuclear Power Engineering	Upper Division Technical Elective	
EEE 463: Electrical Power Plants		
EEE 465: Photovoltaic Energy Conversion		
EEE 470: Electric Power Devices		
EEE 471: Power System Analysis		
EEE 472: Power Electronics and Power Management		
EEE 473: Electrical Machinery		
EEE 480: Feedback Systems		
EEE 481: Computer-Controlled Systems		
EEE 498: Constructionist Approach to Microprocessor Design		
EEE 498: Manufacturing Science of Solar Cells		
EEE 498: Networking for Big Data		
EEE 498: Science and Technology of Solar Cell Fabrication		
EEE 498: Python for Rapid Engineers Solutions		

**Notes:**

- Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/>.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### Electrical Engineering, BSE




School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Online](#)




ESEEEBSE

Term 1 - A 0 - 6 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.</li> </ul>
ASU 101-UC: The ASU Experience	1		
FSE 100: Introduction to Engineering	2		
Term hours subtotal:	6		

Term 1 - B 6 - 12 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		

Term 2 - A 12 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
Term hours subtotal:	8		




Term 2 - B 20 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 267: Calculus for Engineers III (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 26 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
 PHY 132: University Physics Laboratory II (SQ)	1	C	



EEE 120: Digital Design Fundamentals

3

Term hours subtotal: 7



Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 275: Modern Differential Equations (MA)	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
CSE 100: Principles of Programming with C++ (CS)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 202: Circuits I	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 4 - B 46 - 52 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 241: Fundamentals of Electromagnetics	3		<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
MAT 343: Applied Linear Algebra	3	C	
Term hours subtotal:	6		

Term 5 - A 52 - 58 Credit Hours	Hours	Minimum Grade	Notes
PHY 241: University Physics III	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 - B 58 - 65 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 334: Circuits II	4		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization competitions</a> or professional societies.</li> </ul>
EEE 203: Signals and Systems I	3		
Term hours subtotal:	7		

Term 6 - A 65 - 72 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 350: Random Signal Analysis	3		
Upper Division Area Pathway Course	4		
Term hours subtotal:	7		

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
EEE 230: Computer Organization and Assembly Language Programming	3		<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for an <a href="#">engineering 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 78 - 85 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Area Pathway Course	4		
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	7		

Term 7 - B 85 - 92 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Area Pathway Course	4		<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in-person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Technical Elective	3		
Term hours subtotal:	7		

Term 8 - A 92 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ EEE 488: Senior Design Laboratory I (L)	3		
Upper Division Area Pathway Course	4		
Term hours subtotal:	7		

Term 8 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Math or Science or Engineering Elective	3		
Upper Division Technical Elective	3		
Term hours subtotal:	6		

Term 9 - A 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ EEE 489: Senior Design Laboratory II (L)	3		
Upper Division Technical Elective	3		
Term hours subtotal:	6		

Term 9 - B 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Technical Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 10 - A 117 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Technical Elective	3		
Term hours subtotal:	3		

- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.

Hide Course List(s)/Track Group(s)

Technical Electives	Area Pathway Course	Math or Science or Engineering Elective
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EEE 404: Real-Time DSP Systems	EEE 304: Signals and Systems II	AEE Upper Division Elective
EEE 407: Digital Signal Processing	EEE 333: Hardware Design Languages and Programmable Logic	BIO Upper Division Elective
EEE 425: Digital Systems and Circuits	EEE 335: Analog and Digital Circuits	BME Upper Division Elective
EEE 433: Analog Integrated Circuits	EEE 341: Engineering Electromagnetics	CEE Upper Division Elective
EEE 434: Quantum Mechanics for Engineers	EEE 352: Properties of Electronic Materials	CHE Upper Division Elective
EEE 435: Fundamentals of CMOS and MEMS	EEE 360: Energy Systems and Power Electronics	CHM Upper Division Elective
EEE 436: Fundamentals of Solid-State Devices		CPI Upper Division Elective
EEE 439: Semiconductor Facilities and Cleanroom Practices		CSE Upper Division Elective
EEE 443: Antennas for Wireless Communications		FSE Upper Division Elective
EEE 445: Microwaves		IEE Upper Division Elective
EEE 448: Fiber Optics		MAE Upper Division Elective
EEE 459: Communication Networks		MAT Upper Division Elective
EEE 460: Nuclear Power Engineering		MSE Upper Division Elective
EEE 463: Electrical Power Plants		PHY Upper Division Elective
EEE 465: Photovoltaic Energy Conversion		Upper Division Technical Elective
EEE 470: Electric Power Devices		
EEE 471: Power System Analysis		
EEE 472: Power Electronics and Power Management		
EEE 473: Electrical Machinery		
EEE 480: Feedback Systems		
EEE 481: Computer-Controlled Systems		
EEE 498: Constructionist Approach to Microprocessor Design		
EEE 498: Manufacturing Science of Solar Cells		
EEE 498: Networking for Big Data		
EEE 498: Science and Technology of Solar Cell Fabrication		
EEE 498: Python for Rapid Engineers Solutions		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map







### Electrical Engineering (Electric Power and Energy Systems), BSE




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESEEEPBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students and should be taken the first semester.</li> <li>• If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-EEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
CSE 100: Principles of Programming with C++ (CS)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
EEE 120: Digital Design Fundamentals	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 202: Circuits I	4		<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
MAT 267: Calculus for Engineers III (MA)	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
 Minimum 2.00 GPA ASU Cumulative.			
Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ EEE 203: Signals and Systems I	3		<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
⚠ EEE 241: Fundamentals of Electromagnetics	3		
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
PHY 241: University Physics III	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EEE 334: Circuits II	4		<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
EEE 230: Computer Organization and Assembly Language Programming	3		
EEE 350: Random Signal Analysis	3		
EEE 360: Energy Systems and Power Electronics	4		
Term hours subtotal:	14		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 3 courses:</i> Upper Division Area Pathway Course	12		<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EEE 488: Senior Design Laboratory I (L)	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Math or Science or Engineering Elective	3		
<i>Complete 2 courses:</i> Upper Division Power Technical Elective	6		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EEE 489: Senior Design Laboratory II (L)	3		
Upper Division Power Technical Elective	3		
<i>Complete 2 courses:</i> Upper Division Technical Elective	6		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Technical Electives	Power Technical Electives	Math or Science or Engineering Elective
EEE 404: Real-Time DSP Systems	EEE 460: Nuclear Power Engineering	AEE Upper Division Elective
EEE 407: Digital Signal Processing	EEE 463: Electrical Power Plants	BIO Upper Division Elective
EEE 425: Digital Systems and Circuits	EEE 465: Photovoltaic Energy Conversion	BME Upper Division Elective
EEE 433: Analog Integrated Circuits	EEE 470: Electric Power Devices	CEE Upper Division Elective
EEE 434: Quantum Mechanics for Engineers	EEE 471: Power System Analysis	CHE Upper Division Elective
EEE 435: Fundamentals of CMOS and MEMS	EEE 472: Power Electronics and Power Management	CHM Upper Division Elective
EEE 436: Fundamentals of Solid-State Devices	EEE 473: Electrical Machinery	CPI Upper Division Elective
EEE 437: Optoelectronics		CSE Upper Division Elective
EEE 439: Semiconductor Facilities and Cleanroom Practices		FSE Upper Division Elective
EEE 443: Antennas for Wireless Communications		IEE Upper Division Elective
EEE 445: Microwaves		MAE Upper Division Elective
EEE 448: Fiber Optics		MAT Upper Division Elective
EEE 455: Communication Systems		MSE Upper Division Elective
EEE 459: Communication Networks		PHY Upper Division Elective
EEE 460: Nuclear Power Engineering		Upper Division Technical Elective
EEE 463: Electrical Power Plants		
EEE 465: Photovoltaic Energy Conversion		
EEE 470: Electric Power Devices		
EEE 471: Power System Analysis		
EEE 472: Power Electronics and Power Management		
EEE 473: Electrical Machinery		
EEE 480: Feedback Systems		
EEE 481: Computer-Controlled Systems		
EEE 498: Constructionist Approach to Microprocessor Design		
EEE 498: Manufacturing Science of Solar Cells		
EEE 498: Networking for Big Data		
EEE 498: Science and Technology of Solar Cell Fabrication		
EEE 498: Python for Rapid Engineers Solutions		
Area Pathway Course		



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EEE 304: Signals and Systems II

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EEE 333: Hardware Design Languages and Programmable Logic

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EEE 335: Analog and Digital Circuits

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EEE 341: Engineering Electromagnetics

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EEE 352: Properties of Electronic Materials

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Electrical Engineering (Electric Power and Energy Systems), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online](#)

ESEEEPBSE

Term 1 - A 0 - 6 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See Advisor.</li> </ul>
ASU 101-EEE: The ASU Experience	1		
FSE 100: Introduction to Engineering	2		
Term hours subtotal:	6		
Term 1 - B 6 - 12 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 2 - A 12 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
Term hours subtotal:	8		
Term 2 - B 20 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
MAT 267: Calculus for Engineers III (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
EEE 120: Digital Design Fundamentals	3		

PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
PHY 132: University Physics Laboratory II (SQ)	1	C
Term hours subtotal:	7	

Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
CSE 100: Principles of Programming with C++ (CS)	3		<ul style="list-style-type: none"> <li>• Prep for success using the <b>Sophomore Guide</b>.</li> <li>• Consult the <b>Resume, Presentation, and Resource Library</b> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
MAT 275: Modern Differential Equations (MA)	3	C	
⚠ Complete First-Year Composition requirement.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 46 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ EEE 202: Circuits I	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 4 - B 46 - 52 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ EEE 241: Fundamentals of Electromagnetics	3		<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
MAT 343: Applied Linear Algebra	3	C	
Term hours subtotal:	6		

Term 5 - A 52 - 58 Credit Hours	Hours	Minimum Grade	Notes
PHY 241: University Physics III	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - B 58 - 65 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EEE 203: Signals and Systems I	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ EEE 334: Circuits II	4		
Term hours subtotal:	7		

Term 6 - A 65 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EEE 350: Random Signal Analysis	3		
EEE 360: Energy Systems and Power Electronics	4		
Term hours subtotal:	7		

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
EEE 230: Computer Organization and Assembly Language Programming	3		<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 6

Term 7 - A 78 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Area Pathway Course	4		
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	7		

Term 7 - B 85 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Area Pathway Course	4		<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in-person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Power Technical Elective	3		
Term hours subtotal:	7		

Term 8 - A 92 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EEE 488: Senior Design Laboratory I (L)	3		
★ Upper Division Area Pathway Course	4		
Term hours subtotal:	7		

Term 8 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Math or Science or Engineering Elective	3		
Upper Division Power Technical Elective	3		
Term hours subtotal:	6		

Term 9 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EEE 489: Senior Design Laboratory II (L)	3		
Upper Division Power Technical Elective	3		
Term hours subtotal:	6		

Term 9 - B 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Technical Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 10 - A 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Technical Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Technical Electives	Power Technical Electives	Math or Science or Engineering Elective
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EEE 404: Real-Time DSP Systems	EEE 460: Nuclear Power Engineering	AEE Upper Division Elective
EEE 407: Digital Signal Processing	EEE 463: Electrical Power Plants	BIO Upper Division Elective
EEE 425: Digital Systems and Circuits	EEE 465: Photovoltaic Energy Conversion	BME Upper Division Elective
EEE 433: Analog Integrated Circuits	EEE 470: Electric Power Devices	CEE Upper Division Elective
EEE 434: Quantum Mechanics for Engineers	EEE 471: Power System Analysis	CHE Upper Division Elective
EEE 435: Fundamentals of CMOS and MEMS	EEE 472: Power Electronics and Power Management	CHM Upper Division Elective
EEE 436: Fundamentals of Solid-State Devices	EEE 473: Electrical Machinery	CPI Upper Division Elective
EEE 439: Semiconductor Facilities and Cleanroom Practices		CSE Upper Division Elective
EEE 443: Antennas for Wireless Communications		FSE Upper Division Elective
EEE 445: Microwaves		IEE Upper Division Elective
EEE 448: Fiber Optics		MAE Upper Division Elective
EEE 455: Communication Systems		MAT Upper Division Elective
EEE 459: Communication Networks		MSE Upper Division Elective
EEE 460: Nuclear Power Engineering		PHY Upper Division Elective
EEE 463: Electrical Power Plants		Upper Division Technical Elective
EEE 465: Photovoltaic Energy Conversion		
EEE 470: Electric Power Devices		
EEE 471: Power System Analysis		
EEE 472: Power Electronics and Power Management		
EEE 473: Electrical Machinery		
EEE 480: Feedback Systems		
EEE 481: Computer-Controlled Systems		
EEE 498: Constructionist Approach to Microprocessor Design		
EEE 498: Manufacturing Science of Solar Cells		
EEE 498: Networking for Big Data		
EEE 498: Science and Technology of Solar Cell Fabrication		
EEE 498: Python for Rapid Engineers Solutions		
Area Pathway Course		
EEE 304: Signals and Systems II		
EEE 333: Hardware Design Languages and Programmable Logic		

EEE 335: Analog and Digital Circuits

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EEE 341: Engineering Electromagnetics

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EEE 352: Properties of Electronic Materials

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Engineering, BSE




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRBSE






Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
EGR 104: Critical Inquiry in Engineering (L)	3	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.</li> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete MAT 266 course(s).			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 202: Use-Inspired Design Project II	3	C	<ul style="list-style-type: none"> <li>• Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.</li> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
EGR 217: Engineering Mechanics Fundamentals	3	C	
EGR 219: Computational Modeling of Engineering Systems	3	C	
EGR 280: Engineering Statistics (CS)	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
 Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).			
 Complete MAT 267 course(s).			
 Milestone: Selection of Engineering concentration			
Term hours subtotal:	15		

[Hide Course List\(s\)/Track Group\(s\)](#)

**Total Hours:** 63  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map





### Engineering (Automotive Systems), BSE




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRASBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a></li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete MAT 266 course(s).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 202: Use-Inspired Design Project II	3	C	

EGR 217: Engineering Mechanics Fundamentals	3	C
EGR 219: Computational Modeling of Engineering Systems	3	C
EGR 280: Engineering Statistics (CS)	3	C
MAT 275: Modern Differential Equations (MA)	3	C
❖ Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).		
❖ Complete MAT 267 course(s).		
Term hours subtotal:		15

- Pursue an **undergraduate research experience**.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 5 63 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 306: Automotive Systems Project I	3	C	<ul style="list-style-type: none"> <li>• Students are encouraged to enroll in EGR 394: Intro to Concepts in Automotive Engineering as part of the secondary focus.</li> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ EGR 340: Engineering Thermo-Fluids I	3	C	
PHY 321: Vector Mechanics and Vibration	3		
Secondary Focus Area	3		
Term hours subtotal:	12		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 316: Automotive Systems Project II	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
★ EGR 363: Automotive Powertrains and Thermal Systems	3	C	
HST 318: History of Engineering ((L or SB) & G)	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.</li> <li>• Students must select 4 hours of Science Elective from the listed courses.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
EGR 330: Design of Electrical Systems OR EGR 432: Engineering Thermo-Fluids II	3		
Upper Division Secondary Focus Area	3		
Science Elective	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.</li> </ul>
EGR 463: Vehicle Electrical Systems and Hybrid Systems	3		
EGR 465: Ground Vehicle Dynamics	3		
Upper Division Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

#### Hide Course List(s)/Track Group(s)

Science Elective
BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)
GLG 103: Introduction to Geology I-Laboratory (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)
PHY 132: University Physics Laboratory II (SQ)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Engineering (Electrical Systems), BSE




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRESBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a></li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete MAT 266 course(s).			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 202: Use-Inspired Design Project II	3	C	

EGR 217: Engineering Mechanics Fundamentals	3	C
EGR 219: Computational Modeling of Engineering Systems	3	C
EGR 280: Engineering Statistics (CS)	3	C
MAT 275: Modern Differential Equations (MA)	3	C
❖ Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).		
❖ Complete MAT 267 course(s).		
Term hours subtotal:		15

- Pursue an **undergraduate research experience**.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 304: Embedded Systems Design Project I	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ EGR 330: Design of Electrical Systems	3	C	
HST 318: History of Engineering ((L or SB) & G)	3		
PHY 331: Principles of Modern Electromagnetism	3		
Secondary Focus Area	3		
Term hours subtotal:		15	

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 314: Embedded Systems Design Project II	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
★ EGR 334: Analog-Digital Interface	3	C	
EGR 338: Microcontrollers in Smart Systems	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
Term hours subtotal:		15	

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
★ EGR 430: Design, Fabrication, and Architecture of Electronic Devices	3		
Upper Division Secondary Focus Area	3		
Science Elective	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:		15	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.</li> </ul>
EGR 431: Power Management OR EGR 476: Microgrid Design and Operation	3		
Upper Division Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

Science Elective

BIO 181: General Biology I (SQ)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I (Physical)  
(SQ)

GLG 103: Introduction to Geology  
I-Laboratory (SQ)

PHY 131: University Physics II: Electricity  
and Magnetism (SQ)

PHY 132: University Physics Laboratory II  
(SQ)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Engineering (Mechanical Engineering Systems), BSE




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRMEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete MAT 266 course(s).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 202: Use-Inspired Design Project II	3	C	

EGR 217: Engineering Mechanics Fundamentals	3	C
EGR 219: Computational Modeling of Engineering Systems	3	C
EGR 280: Engineering Statistics (CS)	3	C
MAT 275: Modern Differential Equations (MA)	3	C
❖ Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).		
❖ Complete MAT 267 course(s).		
Term hours subtotal:	15	

- Pursue an **undergraduate research experience**.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 303: Mechanical Systems Project I	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ EGR 340: Engineering Thermo-Fluids I	3	C	
PHY 321: Vector Mechanics and Vibration	3	C	
Secondary Focus Area	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 313: Mechanical Systems Project II	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
★ EGR 343: Mechanics of Solid Materials	3	C	
HST 318: History of Engineering ((L or SB) & G)	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
★ EGR 432: Engineering Thermo-Fluids II	3		
★ EGR 444: Engineering Design	3	C	
Upper Division Secondary Focus Area	3		
Science Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.</li> </ul>
EGR 445: Mechanical Engineering Systems	3		
Upper Division Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	12		



Hide Course List(s)/Track Group(s)

Science Elective

BIO 181: General Biology I (SQ)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I (Physical)  
(SQ)

GLG 103: Introduction to Geology  
I-Laboratory (SQ)

PHY 131: University Physics II: Electricity  
and Magnetism (SQ)

PHY 132: University Physics Laboratory II  
(SQ)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map Engineering (Robotics), BSE




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRRBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete MAT 266 course(s).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 202: Use-Inspired Design Project II	3	C	

EGR 217: Engineering Mechanics Fundamentals	3	C
EGR 219: Computational Modeling of Engineering Systems	3	C
EGR 280: Engineering Statistics (CS)	3	C
MAT 275: Modern Differential Equations (MA)	3	C
◆ Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).		
◆ Complete MAT 267 course(s).		
Term hours subtotal:	15	

- Pursue an **undergraduate research experience**.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 304: Embedded Systems Design Project I	3	C	
★ EGR 455: Robotic Systems I	3	C	
EGR 330: Design of Electrical Systems OR EGR 343: Mechanics of Solid Materials	3	C	
PHY 321: Vector Mechanics and Vibration	3		
Secondary Focus Area	3		
Term hours subtotal:	15		

- If Electrical, must take EGR 330.
- If Mechanical, must take EGR 343.
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.
- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 314: Embedded Systems Design Project II	3	C	
★ EGR 334: Analog-Digital Interface OR EGR 444: Engineering Design	3		
★ EGR 456: Robotic Systems II	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.
- Research and prepare for **graduate school**.
- Apply for an **engineering 4+1 program**.
- Develop a **professional profile online**.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	
Upper Division Secondary Focus Area	3		
Science Elective	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

- If Electrical, must take EGR 334.
- If Mechanical, must take EGR 444.
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.
- Plan for success using the **Senior Guide**.
- Use **Handshake** to apply for full-time positions.
- Complete an in-person or virtual **practice interview**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		
EGR 433: Transforms and Systems Modeling	3		

HST 318: History of Engineering ((L or SB) & G)	3
Upper Division Secondary Focus Area	3
Term hours subtotal:	12

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.

Hide Course List(s)/Track Group(s)

Science Elective
BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)
GLG 103: Introduction to Geology I-Laboratory (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)
PHY 132: University Physics Laboratory II (SQ)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Engineering Management, BSE



School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESEMGBSE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• If ENG 105 is taken, a 3 credit hour elective must also be taken prior to graduation.</li> <li>• Students taking CHM 113 for Basic Science Elective need to earn a "C" minimum grade and complete CHM 116 for the degree.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-IEE: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Basic Science Elective	3-4		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15-16		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Students with credit for CHM 113 must take CHM 116.</li> <li>• Please note that COM 263 in term 4 requires a minimum 2.25 GPA as a prerequisite.</li> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
ACC 231: Uses of Accounting Information I	3	C	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		

MAT 267: Calculus for Engineers III (MA)	3	C
Global Engineering/Sustainability/Entrepreneurship Course	3-4	
♦ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16-17	

- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 47 - 61 Credit Hours <b>Critical course signified by</b> ♦	Hours	Minimum Grade	Notes
♦ IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
♦ MAT 242: Elementary Linear Algebra	2	C	
ACC 241: Uses of Accounting Information II	3	C	
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
Math or Science Elective	3	C	
Term hours subtotal:	14		

Term 5 61 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IEE 431: Engineering Administration (L)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
IEE 300: Economic Analysis for Engineers	3	C	
IEE 320: Extreme Excel	1	C	
MGT 300: Organization and Management Leadership	3	C	
Industry Focus Area Elective	3	C	
Math or Science Elective	3	C	
Term hours subtotal:	16		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IEE 321: Ethics and Technical Communication	1	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
★ IEE 458: Project Management	3	C	
IEE 369: Work Analysis and Design (L)	3	C	
IEE 381: Lean Six Sigma Methodology	3	C	
IEE 477: System Dynamics and Thinking	3	C	
Upper Division Industry Focus Area Elective	3	C	
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IEE 485: Systems Design Capstone I (L)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
IEE 454: Risk Management	3	C	
Complete 2 courses: Upper Division Industry Focus Area Elective	6	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IEE 486: Systems Design Capstone II (L)	3	C	

IEE 456: Introduction to Systems Engineering	3	C
Upper Division Industry Focus Area Elective	3	C
Upper Division Humanities, Arts and Design (HU)	3	
Term hours subtotal:	12	

- Contact CIDSE Advising or visit the [CIDSE website](#) for additional information about Math or Science electives, Engineering Management Industry Focus Area Electives, or IEE Technical Elective courses (see Career Focus Area for details).

For Industry Focus Area Electives, please note that some courses are sequential and may be only offered in the Fall or Spring semester. Also, some courses may require additional prerequisites.

#### Hide Course List(s)/Track Group(s)

Basic Science Elective	Global Engineering/Sustainability/Entrepreneurship	Industry Focus Area Elective (Business Analytics Industry)
BIO 181: General Biology I (SQ)		
BIO 182: General Biology II (SG)	ALA 102: Landscapes and Sustainability (HU & G)	IEE 376: Operations Research Deterministic Techniques/Applications
BIO 201: Human Anatomy and Physiology I (SG)	CEE 181: Technological, Social, and Sustainable Systems (HU)	IEE 385: Engineering Statistics: Probability IEE 3** Elective
BIO 202: Human Anatomy and Physiology II (SG)	FSE 150: Perspectives in Grand Challenges for Engineering (SB)	IEE 461: Production Control
BME 111: Engineering Perspectives on Biological Systems	FSE 301: Entrepreneurship and Value Creation	IEE 474: Quality Control IEE 4** Elective
CHM 113: General Chemistry I (SQ)	PUP 190: Sustainable Cities ((HU or SB) & G)	Math or Science Elective (Business Analytics Industry)
GLG 101: Introduction to Geology I (Physical) (SQ)	SES 106: Habitable Worlds (SQ)	MAT 275: Modern Differential Equations (MA)
GLG 102: Introduction to Geology II (Historical) (SG & H)	SOS 100: Introduction to Sustainability (G)	
GLG 110: Dangerous World (SG & G)	SOS 110: Sustainable World (SB)	PHY 131: University Physics II: Electricity and Magnetism (SQ)
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	SOS 111: Sustainable Cities ((HU or SB) & G)	
Industry Focus Area Elective (Communication and Networks Industry)	Industry Focus Area Elective (Electronics and Semiconductor Industry)	Industry Focus Area Elective (Mechanical Systems Industry)
EEE 202: Circuits I	EEE 202: Circuits I	Required Courses
EEE 203: Signals and Systems I	EEE 241: Fundamentals of Electromagnetics	MAE 201: Mechanics of Particles and Rigid Bodies I: Statics
EEE 350: Random Signal Analysis	EEE 352: Properties of Electronic Materials	MAE 241: Introduction to Thermodynamics
EEE 455: Communication Systems	EEE 434: Quantum Mechanics for Engineers	Elective Choices
EEE 459: Communication Networks	EEE 435: Fundamentals of CMOS and MEMS	MAE 384: Advanced Mathematical Methods for Engineers (CS)
Math or Science Elective (Communication and Networks industry)	EEE 436: Fundamentals of Solid-State Devices	MEE 340: Heat Transfer
MAT 275: Modern Differential Equations (MA)	EEE 439: Semiconductor Facilities and Cleanroom Practices	MEE 434: Internal Combustion Engines

PHY 131: University Physics II: Electricity and Magnetism (SQ)	Math or Science Elective (Electronics and Semiconductor Industry)	MEE 482: Intermediate Thermodynamics
	MAT 275: Modern Differential Equations (MA)	MSE 355: Structure and Defects
	PHY 131: University Physics II: Electricity and Magnetism (SQ)	Math or Science Elective (Mechanical Systems Industry)
		MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics
		MAT 275: Modern Differential Equations (MA)
		MSE 250: Structure and Properties of Materials
Industry Focus Area Elective (Power Systems Industry)	Industry Focus Area Elective (Software Industry)	Industry Focus Area Elective (Sustainable and Environmentally Benign Industry)
EEE 202: Circuits I	CSE 240: Introduction to Programming Languages or CSE 220: Programming for Computer Engineering	CEE 213: Introduction to Deformable Solids
EEE 241: Fundamentals of Electromagnetics	CSE 310: Data Structures and Algorithms	CEE 361: Introduction to Environmental Engineering
EEE 360: Energy Systems and Power Electronics	CSE 360: Introduction to Software Engineering	CEE 400: Earth Systems Engineering and Management ((L or HU) & H)
EEE 463: Electrical Power Plants	CSE 3** Elective	CEE 467: Environmental Microbiology
EEE 470: Electric Power Devices	CSE 4** Elective	CEE 470: Sustainable Environmental Biotechnologies
EEE 472: Power Electronics and Power Management	Math or Science Elective (Software Industry)	Math or Science Elective (Sustainable and Environmentally Benign Industry)
Math or Science Elective (Power Systems Industry)	Note: MAT 243 is required.	CEE 210: Engineering Mechanics I: Statics
MAT 275: Modern Differential Equations (MA)	MAT 243: Discrete Mathematical Structures	MAT 275: Modern Differential Equations (MA)
PHY 131: University Physics II: Electricity and Magnetism (SQ)	General Math or Science Course	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Economics, BS

School/College: W. P. Carey School of Business





Location:  
BAECNBS






and

### Engineering Management, BSE

Ira A. Fulton Schools of Engineering  
ESEMGBSE

In order to complete this concurrent degree in four years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.





Term 1 0 - 18 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASU 101-EEE or WPC 101 meets this requirement.</li> <li>• Students taking CHM 113 for the Basic Science Elective need to earn a "C" minimum grade and complete CHM 116 for the degree.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-IEE: The ASU Experience OR WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Basic Science Elective	3-4		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	18-19		






Term 2 18 - 34.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or organization</li> <li>• Create your first college <b>resume</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
WPC Career Preparation Course	0.25	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16.25		

Summer 2 Session 1 34.25 - 40.25 Credit Hours	Hours	Minimum Grade	Notes
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ECN 211: Macroeconomic Principles (SB)	3	C
SOC course (SB)	3	
Term hours subtotal:	6	

Summer 2 Session 2 40.25 - 46.25 Credit Hours	Hours	Minimum Grade	Notes
ECN 212: Microeconomic Principles (SB)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 3 46.25 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Students who took CHM 113 for the Basic Science Elective in term 1 must complete CHM 116 for the degree</li> <li>• Explore <a href="#">career resources</a>.</li> <li>• Meet with your Career Coaches</li> </ul>
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
LES 305: Business Law and Ethics for Managers	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
Global Engineering/Sustainability/Entrepreneurship Track course	3-4		
WPC Career Preparation Course	0.25	C	
 Minimum 2.00 GPA ASU Cumulative.			
 Complete ECN 211 AND ECN 212 course(s).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25-17.25		

Term 4 62.50 - 79.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.</li> </ul>
 IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
 MAT 242: Elementary Linear Algebra	2	C	
ECN Upper Division Elective	3	C	
MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
MKT 300: Marketing and Business Performance	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	17		

Summer 4 Session 1 79.50 - 85.50 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		

Summer 4 Session 2 85.50 - 91.50 Credit Hours	Hours	Minimum Grade	Notes
MGT 300: Organization and Management Leadership	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 91.50 - 106.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C
★ IEE 376: Operations Research Deterministic Techniques/Applications	3	C
IEE 300: Economic Analysis for Engineers	3	C
IEE 385: Engineering Statistics: Probability	3	C
IEE 431: Engineering Administration (L)	3	C
WPC Career Preparation Course	0.25	C
Term hours subtotal:	15.25	

- Attend Career Fairs
- Apply for internships or create one
- Complete informational interviews

Term 6 106.75 - 123.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C
★ IEE 477: System Dynamics and Thinking	3	C
IEE 320: Extreme Excel	1	C
IEE 321: Ethics and Technical Communication	1	C
IEE 369: Work Analysis and Design (L)	3	C
IEE 381: Lean Six Sigma Methodology	3	C
IEE 458: Project Management	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	17	

Summer 6 Session 1 123.75 - 129.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G)	3	C
★ SCM 300: Global Supply Operations	3	C
Term hours subtotal:	6	

- A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.

Summer 6 Session 2 129.75 - 133.00 Credit Hours	Hours	Minimum Grade	Notes
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MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
WPC Career Preparation Course	0.25	C
Term hours subtotal:	3.25	

Term 7 133.00 - 151.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C
★ ECN 4** Elective	3	C
★ IEE 454: Risk Management	3	C
★ IEE 485: Systems Design Capstone I (L)	3	C
IEE 412: Introduction to Financial Engineering	3	C
IEE 474: Quality Control	3	C
Term hours subtotal:	18	

- All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480.

Term 8 151.00 - 169.00 Credit Hours Necessary course signified by ★	Hours	Minimum	Notes
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★		Grade	
★	ECN 475: Capstone in Economics (L)	3	C
★	IEE 456: Introduction to Systems Engineering	3	C
★	IEE 486: Systems Design Capstone II (L)	3	C
★	WPC 480: W. P. Carey Capstone Course (L)	3	C
★	ECN 4** Elective	3	C
	IEE 461: Production Control	3	C
	Term hours subtotal:	18	

- A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.
- Apply for full-time career opportunities

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)	Basic Science Elective - select one course (3-4 credit hours)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation	BIO 181: General Biology I (SQ)
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation	BIO 182: General Biology II (SG)
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	BIO 201: Human Anatomy and Physiology I (SG)
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career		BIO 202: Human Anatomy and Physiology II (SG)
		BME 111: Engineering Perspectives on Biological Systems
		CHM 113: General Chemistry I (SQ)
		GLG 101: Introduction to Geology I (Physical) (SQ)
		GLG 102: Introduction to Geology II (Historical) (SG & H)
		GLG 110: Dangerous World (SG & G)
		PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
Global Engineering/Sustainability/Entrepreneurship Track - select one course (3-4 credit hours)		
ALA 102: Landscapes and Sustainability (HU & G)		
CEE 181: Technological, Social, and Sustainable Systems (HU)		
FSE 301: Entrepreneurship and Value Creation		
PUP 190: Sustainable Cities ((HU or SB) & G) or SOS 111: Sustainable Cities ((HU or SB) & G)		
SES 106: Habitable Worlds (SQ)		

**Total Hours:** 169.00  
**Upper Division Hours:** 51 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Engineering Management, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Online](#)

ESEMGBSE



Term 1 - A 0 - 6 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, TOEFL, or IELTS score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
FSE 100: Introduction to Engineering	2	C	
Basic Science Elective	3-4		
Term hours subtotal:	6-7		
Term 1 - B 6 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• If ENG 105 is taken, a 3-credit hour elective must also be taken prior to graduation.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	9		
Term 2 - A 15 - 21 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 21 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
Term hours subtotal:	6		

Term 3 - B 33 - 40 Credit Hours	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 40 - 46 Credit Hours	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	
Math or Science Elective	3	C	
Term hours subtotal:	6		

Term 4 - B 46 - 52 Credit Hours  Critical course signified by	Hours	Minimum Grade	Notes
 ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Pursue an undergraduate research experience.</li> <li>• Apply for internships.</li> <li>• Attend career fairs and events.</li> </ul>
Math or Science Elective	3	C	
Term hours subtotal:	6		

Term 5 - A 52 - 59 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	
CHM 114: General Chemistry for Engineers (SQ)	4		
IEE 320: Extreme Excel	1	C	
Term hours subtotal:	7		

Term 5 - B 59 - 65 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at student organization competitions or professional societies.</li> </ul>
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
Term hours subtotal:	6		

Term 6 - A 65 - 71 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 IEE 300: Economic Analysis for Engineers	3	C	
MGT 300: Organization and Management Leadership	3	C	
Term hours subtotal:	6		

Term 6 - B 71 - 77 Credit Hours	Hours	Minimum Grade	Notes
IEE 369: Work Analysis and Design (L)	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for graduate school.</li> <li>• Apply for an engineering 4+1 program.</li> <li>• Develop a professional profile online.</li> </ul>
Global Engineering/Sustainability/Entrepreneurship	3-4		
Term hours subtotal:	6-7		

Term 7 - A 77 - 83 Credit Hours	Hours	Minimum Grade	Notes
IEE 381: Lean Six Sigma Methodology	3	C	
Industry Focus Area Elective	3	C	



Term hours subtotal: 6

Term 7 - B 83 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 321: Ethics and Technical Communication	1	C	<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in-person or virtual <a href="#">practice interview</a>.</li> </ul>
IEE 431: Engineering Administration (L)	3	C	
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		7	

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 458: Project Management	3	C	
IEE 477: System Dynamics and Thinking	3	C	
Term hours subtotal:		6	

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
IEE 454: Risk Management	3	C	
Upper Division Industry Focus Area Elective	3	C	
Term hours subtotal:		6	

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 485: Systems Design Capstone I (L)	3	C	
Upper Division Industry Focus Area Elective	3	C	
Term hours subtotal:		6	

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Upper Division Industry Focus Area Elective	6	C	
Term hours subtotal:		6	

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 486: Systems Design Capstone II (L)	3	C	
IEE 456: Introduction to Systems Engineering	3	C	
Term hours subtotal:		6	

- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.

Hide Course List(s)/Track Group(s)

Basic Science Elective	Global Engineering/Sustainability/Entrepreneurship	Industry Focus Area (Business Analytics)
BIO 181: General Biology I (SQ)	FSE 301: Entrepreneurship and Value Creation	Required courses:
BIO 182: General Biology II (SG)		IEE 376: Operations Research Deterministic Techniques/Applications

BIO 201: Human Anatomy and Physiology I (SG)	PUP 190: Sustainable Cities ((HU or SB) & G)	IEE 385: Engineering Statistics: Probability
BIO 202: Human Anatomy and Physiology II (SG)	SES 106: Habitable Worlds (SQ)	IEE 3** Elective
GLG 101: Introduction to Geology I (Physical) (SQ)	SOS 100: Introduction to Sustainability (G)	IEE 461: Production Control
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	SOS 110: Sustainable World (SB)	IEE 474: Quality Control
	SOS 111: Sustainable Cities ((HU or SB) & G)	IEE 4** Elective
		Math or Science Elective (Business Analytics Industry)
		MAT 275: Modern Differential Equations (MA)
		PHY 131: University Physics II: Electricity and Magnetism (SQ)

Industry Focus Area (Software Engineering Web and Mobile Applications)

Required courses:

SER 222: Design and Analysis of Data Structures and Algorithms

SER 321: Principles of Distributed Software Systems

SER 322: Principles of Database Management

SER 334: Operating Systems and Networks

SER 421: Web-Based Applications and Mobile Systems or SER 422: Web Application Programming or SER 423: Mobile Systems

Math or Science Elective (Software Engineering Web and Mobile Applications)

CSE 230: Computer Organization and Assembly Language Programming

MAT 243: Discrete Mathematical Structures

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Environmental Engineering, BSE






School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESEVEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FSE 100: Introduction to Engineering	2	C	<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CEE: The ASU Experience	1		
CHM 113: General Chemistry I (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
CEE 181: Technological, Social, and Sustainable Systems (HU)	3		
CHM 116: General Chemistry II (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 275: Modern Differential Equations (MA)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
EVE 261: Introduction to Environmental Processes	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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♦ MAT 267: Calculus for Engineers III (MA)	3	C
CHE 211: Introduction to Chemical Processing	3	C
EVE 214: Environmental Engineering Mechanics	3	C
EVE 302: Environmental Engineering Fundamentals: Physical and Chemical Processes	3	
GLG 101: Introduction to Geology I (Physical) (SQ) OR GLG 108: Water Planet (SQ) OR GLG 110: Dangerous World (SG & G)	3	
Term hours subtotal:	15	

- Pursue an **undergraduate research experience**.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EVE 303: Environmental Engineering Fundamentals: Biological Processes	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CEE 213: Introduction to Deformable Solids	3	C	
CEE 300: Engineering Business Practice (L)	3		
CEE 384: Numerical Methods for Engineers (CS)	3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 341: Fluid Mechanics for Civil Engineers	4		<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
CEE 353: Civil Engineering Materials	4		
EVE 304: Environmental Engineering Processes Lab	2		
EVE 452: Fundamentals of Geoenvironmental Engineering	3		
Technical Elective	1		
Term hours subtotal:	14		

Summer 6 91 - 92 Credit Hours	Hours	Minimum Grade	Notes
EVE 484: Internship	1	C	
Term hours subtotal:	1		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 467: Environmental Microbiology	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
CEE 400: Earth Systems Engineering and Management ((L or HU) & H)	3		
CEE 440: Hydrology	3		
CEE 462: Unit Operations in Environmental Engineering	3		
Technical Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 486: Integrated Civil Engineering Design (L)	4		
CEE 441: Water Resources Engineering	3		
ERM 401: Hazardous Waste Management	3		

Technical Elective

3

Term hours subtotal:

13

Hide Course List(s)/Track Group(s)

Technical Elective

CEE 281: Surveying

CEE 351: Geotechnical Engineering

CEE 372: Transportation Engineering

CEE 466: Urban Water System Design

CEE 470: Sustainable Environmental  
Biotechnologies

CEE 481: Civil Engineering Project  
Management

CEE 485: Sustainable Civil and Environmental  
Systems Engineering

CEE 493: Honors Thesis (L)

CEE 499: Individualized Instruction

CHE 469: Air Quality Engineering

CHM 231: Elementary Organic Chemistry  
(SQ)

EVE 484: Internship

EVE 494: Special Topics

EVE 498: Pro-Seminar

EVE 499: Individualized Instruction

PUP 301: Introduction to Urban Planning (L)

PUP 442: Environmental Planning

PUP 465: Sustainable Urbanism

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Environmental and Resource Management, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSETMBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	14		
Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ERM 191: First-Year Seminar	1		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
BIO 181: General Biology I (SQ)	4	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) ( HSE 101 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ERM 201: Environmental Management	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ)	3	C	
HSE 230: Statistics for Human Systems Research I (CS) OR STP 226: Elements of Statistics (CS)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete CHM 113 course(s).			
 Complete MAT 210 course(s).			
Term hours subtotal:	15		
Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ERM 203: Environmental Regulations	3	C	<ul style="list-style-type: none"> <li>Pursue an <a href="#">undergraduate research experience</a>.</li> </ul>



PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4
Technical Elective	3
Humanities, Arts and Design (HU)	3
Elective	3
Complete CHM 231 course(s).	
Term hours subtotal:	16

- Apply for internships.
- Attend career fairs and events.

Term 5 60 - 75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
ERM 407: Occupational Hygiene	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
ERM 432: Sustainable Solid Waste Management	3		
ERM Upper Division Elective	3		
Technical Elective	3		
Upper Division Literacy and Critical Inquiry (L) ( TWC 446 recommended)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
ERM 302: Water and Wastewater Treatment Technology	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
ERM 401: Hazardous Waste Management	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
ERM 402: Unit Treatment Technologies	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
ERM 428: International Environmental Management (G)	3		
ERM OR ABS OR SOS Upper Division Elective	3		
Technical Elective	3		
Elective OR ERM 484: Internship	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
ERM 480: Senior Project	3	C	
ERM 406: Environmental Chemistry	3		
ERM Upper Division Elective	3		
ERM OR ABS OR SOS Upper Division Elective	3		
Technical Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Technical Elective(s)
ABS Elective
AGB Elective
BIO Elective
CEE Elective
CHM Elective
CIS Elective
CSE Elective
CST Elective
ECN Elective
EDT Elective
EGR Elective
ERM Elective
FSE Elective
GIS Elective
GLG Elective
GPH Elective
HSE Elective
IFT Elective
MAT Elective
MFG Elective
OMT Elective
PHY Elective
PUP Elective
SOS Elective
TEM Elective
TMC Elective

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Graphic Information Technology, BS




School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Polytechnic campus](#)

TSGITBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
GIT 135: Graphic Communications	3		
GIT 210: Creative Thinking and Design Visualization	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS)	3		<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
GIT 215: Introduction to Web Authoring	3		
TMC 110: Understanding the Enterprise	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete MAT 170 course(s).			
Term hours subtotal:	13		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 250: Introduction to Commercial Print	3		<ul style="list-style-type: none"> <li>Pursue an <a href="#">undergraduate research experience</a>.</li> <li>Apply for <a href="#">internships</a>.</li> <li>Attend <a href="#">career fairs and events</a>.</li> </ul>
Literacy and Critical Inquiry (L) ( HSE 290 recommended)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

Elective 3

Term hours subtotal: 15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 315: Digital Video Techniques	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
GIT 384: Commercial Photography	3		
TWC 451: Copyright and Intellectual Property in the Electronic Age	3		
Primary Focus Area	3		
Secondary Focus Area	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 303: Digital Publishing	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
GIT 314: Multimedia Design, Planning and Storyboards	3		
Primary Focus Area	3		
Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 432: Graphic Industry Business Practices	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> </ul>
GIT 450: Digital Workflow in Graphic Industries	3		
Upper Division Primary Focus Area	3		
Upper Division Secondary Focus Area	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 480: Senior Project	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
GIT 413: Professional Portfolio Design and Presentation	3		
Upper Division Primary Focus Area	3		
Upper Division Secondary Focus Area	3		
GIT Upper Division Elective	3		
Term hours subtotal:	15		

- Students in the BS Graphic Information Technology program select a primary focus area consisting of 12 hours of focused courses (minimum 6 of upper division). Sample focus areas are listed below. Additional focus areas may be available. Please check with your academic advisor.

Hide Course List(s)/Track Group(s)

Digital Design, Print, and Publishing	Front-End Web Design and Development	Game Art & Animation
GIT 333: Printing Technology	GIT 337: Web Content Design	GIT 211: Introduction to Video Game Art
GIT 334: Image Editing and Manipulation	GIT 340: Information Design and Usability	GIT 312: 3-D Computer Graphics Modeling and Representation (CS)
GIT 437: Color Reproduction Systems	GIT 402: New Media Internet Technologies	GIT 334: Image Editing and Manipulation
GIT 494: Special Topics	GIT 414: Web Site Design and Internet/Web Technologies	GIT 411: Computer Animation
TWC 411: Principles of Visual Communication (L)	GIT 417: Advanced Web Markup and Scripting	GIT 494: Special Topics
	GIT 418: Multimedia Authoring, Scripting and Production	
	GIT 435: Website and E-Commerce Strategies	
	GIT 494: Special Topics	
Commercial Photography and Video		
GIT 295: Introduction to Technical Imaging		
GIT 334: Image Editing and Manipulation		
GIT 415: Advanced Digital Video Techniques		
GIT 490: Advanced Commercial Photography		
GIT 494: Special Topics		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map











### Journalism and Mass Communication, BA

School/College: [Walter Cronkite School of Journalism & Mass Comm](#)

Location:  
CSJMCBA

and  
Graphic  
Information  
Technology,  
BS

[Ira A. Fulton Schools of Engineering](#)  
TSGITBS







Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 135: Graphic Communications	3		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 101: Grammar for Journalists	1	Y	
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 210: Creative Thinking and Design Visualization	3		<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> <li>• Select your <b>career interest community</b> and play <b>me3@ASU</b></li> </ul>
 JMC 201: News Reporting and Writing (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Summer 2 32 - 39 Credit Hours	Hours	Minimum Grade	
STP 226: Elements of Statistics (CS)	3		





Natural Science - Quantitative (SQ)



4

Term hours subtotal: 7

- Build your professional connections --- join the [ASU Mentor Network](#)

Term 3 39 - 55 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3		<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
 JMC 305: Multimedia Journalism	3	C	
JMC 351: Photojournalism I	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 4 55 - 71 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C	For Focus Area Courses, students must select one of the following focus areas: <ul style="list-style-type: none"> <li>• Web Design and Development</li> <li>• 2D-3D Gaming Animation</li> <li>• Digital Design, Print and Publishing</li> <li>• Commercial Photography and Video</li> </ul>
 GIT 215: Introduction to Web Authoring	3		
GIT 250: Introduction to Commercial Print	3		
JMC 345: Videography	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. AND Global Awareness (G)	4	C	
 Minimum 2.50 GPA ASU Cumulative.			All 12 hours of focus area courses must be taken from the same focus area.
Term hours subtotal:	16		

Term 5 71 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 303: Digital Publishing	3		<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
GIT 384: Commercial Photography	3		
JMC 414: Digital Graphic Design	3	C	
GIT Focus Area Course	3		
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H) AND Cultural Diversity in the U.S. (C)	3		
Philosophy AND Humanities, Arts and Design (HU)	3		
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 6 89 - 102 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Journalism and Mass Communication Major Elective	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
JMC 473: The Business and Future of Journalism	3	C	
GIT Focus Area Course	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		



★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 13

Term 7 102 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 432: Graphic Industry Business Practices	3		• Gather professional references
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
JMC 484: Internship	3	Y	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
GIT Focus Area Course	3		
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15

Term 8 117 - 132 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation	3		
★ JMC 477: New Media Innovation and Entrepreneurship Lab	3	C	
JMC 402: Mass Communication Law	3	C	
POS 310: American National Government (SB)	3		
GIT Focus Area Course	3		
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15

- For Focus Area Courses, students must select one of the following focus areas:
  - Web Design and Development
  - 2D-3D Gaming Animation
  - Digital Design, Print and Publishing
  - Commercial Photography and Video

All 12 hours of focus area courses must be taken from the same focus area.

Hide Course List(s)/Track Group(s)

Philosophy	U.S. History Course	Journalism & Mass Communication Upper Division Major Elective
HON 171: The Human Event (L or HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	JMC 451: Photojournalism II
PHI 101: Introduction to Philosophy (HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	JMC 455: Digital Media Entrepreneurship
PHI 103: Principles of Sound Reasoning (L or HU)	HST 334: African American History Since 1865 ((HU or SB) & C & H)	JMC 460: Advanced Online Media
PHI 105: Intro to Ethics (HU)	HST 337: American Indian History to 1900 ((HU or SB) & C & H)	MCO 425: Digital Media Literacy I
PHI 306: Applied Ethics (HU)	HST 338: American Indian History since 1900 ((HU or SB) & C & H)	

<b>GIT Focus Area: Front-End Web Design and Development</b>	<b>GIT Focus Area: Game Art &amp; Animation</b>	<b>GIT Focus Area: Digital Design, Print and Publishing</b>
GIT 337: Web Content Design	GIT 211: Introduction to Video Game Art	GIT 333: Printing Technology
GIT 340: Information Design and Usability	GIT 312: 3-D Computer Graphics Modeling and Representation (CS)	GIT 334: Image Editing and Manipulation
GIT 402: New Media Internet Technologies	GIT 314: Multimedia Design, Planning and Storyboards	GIT 437: Color Reproduction Systems
GIT 414: Web Site Design and Internet/Web Technologies	GIT 411: Computer Animation	GIT 450: Digital Workflow in Graphic Industries
GIT 417: Advanced Web Markup and Scripting	GIT 450: Digital Workflow in Graphic Industries	GIT 494: Special Topics
GIT 418: Multimedia Authoring, Scripting and Production	GIT 494: Special Topics	TWC 411: Principles of Visual Communication (L)
GIT 435: Website and E-Commerce Strategies		
GIT 450: Digital Workflow in Graphic Industries		
GIT 494: Special Topics		
<b>GIT Focus Area: Commercial Photography and Video</b>		
GIT 295: Introduction to Technical Imaging		
GIT 315: Digital Video Techniques		
GIT 334: Image Editing and Manipulation		
GIT 415: Advanced Digital Video Techniques		
GIT 490: Advanced Commercial Photography		
GIT 450: Digital Workflow in Graphic Industries		
GIT 494: Special Topics		

**Total Hours:** 132

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Graphic Information Technology, BS

School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Online](#)



TSGITBS


Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> </ul>
GIT 135: Graphic Communications	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 210: Creative Thinking and Design Visualization	3		<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Prep for success using the <a href="#">Freshman Guide</a></li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	9		

Term 2 - A 16 - 25 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Elective	3		
Term hours subtotal:	9		

Term 2 - B 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 215: Introduction to Web Authoring	3		
TMC 110: Understanding the Enterprise	3		
Term hours subtotal:	6		

Term 3 - B 38 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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◆ HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
◆ Complete MAT 170 course(s).	
Term hours subtotal:	7

- Prep for success using the [Sophomore Guide](#).
- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 - A 45 - 54 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ GIT 250: Introduction to Commercial Print	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	9		

Term 4 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L) ( HSE 290 recommended)	3		
Elective	3		
Term hours subtotal:	6		

- Pursue an [undergraduate research experience](#).
- Apply for [internships](#).
- Attend [career fairs and events](#).

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 384: Commercial Photography	3		
TWC 451: Copyright and Intellectual Property in the Electronic Age	3		
Secondary Focus Area	3		
Term hours subtotal:	9		

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.

Term 5 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 315: Digital Video Techniques	3		
Primary Focus Area	3		
Term hours subtotal:	6		

- Plan for success using the [Junior Guide](#).
- Network at [student organization](#) competitions or professional societies.

Term 6 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 303: Digital Publishing	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

- Research and prepare for [graduate school](#).
- Apply for a [Fulton Schools 4+1 program](#).
- Develop a [professional profile online](#).

Term 6 - B 81 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 314: Multimedia Design, Planning and Storyboards	3		
Primary Focus Area	3		
Secondary Focus Area	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.

Term hours subtotal: 9

Term 7 - A 90 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Primary Focus Area	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
GIT 450: Digital Workflow in Graphic Industries	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 432: Graphic Industry Business Practices	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.</li> </ul>
Upper Division Secondary Focus Area	3		
Term hours subtotal:	6		

Term 8 - A 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation	3		
Upper Division Primary Focus Area	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 480: Senior Project	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.</li> </ul>
Upper Division Secondary Focus Area	3		
GIT Upper Division Elective	3		
Term hours subtotal:	9		

- Students in the BS Graphic Information Technology program select a primary focus area consisting of 12 hours of focused courses (minimum of 6 upper division). Sample focus areas are listed below. Additional focus areas may be available. Please check with your academic advisor.

Hide Course List(s)/Track Group(s)

Digital Design, Print, and Publishing	Front-End Web Design and Development	Game Art & Animation
GIT 333: Printing Technology	GIT 337: Web Content Design	GIT 211: Introduction to Video Game Art
GIT 334: Image Editing and Manipulation	GIT 340: Information Design and Usability	GIT 312: 3-D Computer Graphics Modeling and Representation (CS)
GIT 437: Color Reproduction Systems	GIT 402: New Media Internet Technologies	GIT 334: Image Editing and Manipulation
GIT 494: Special Topics	GIT 414: Web Site Design and Internet/Web Technologies	GIT 411: Computer Animation
TWC 411: Principles of Visual Communication (L)	GIT 417: Advanced Web Markup and Scripting	GIT 494: Special Topics
	GIT 418: Multimedia Authoring, Scripting and Production	

GIT 435: Website and E-Commerce Strategies

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GIT 494: Special Topics

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map






### Graphic Information Technology (User Experience), BS




School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Polytechnic campus](#)

ESGITUEBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 135: Graphic Communications	3		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Test score determines placement in mathematics course</li> <li>• ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
GIT 210: Creative Thinking and Design Visualization	3		
MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3		<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 GIT 250: Introduction to Commercial Print	3		
 HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 215: Introduction to Web Authoring	3		<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
HSE 230: Statistics for Human Systems Research I (CS)	3	C	
TMC 110: Understanding the Enterprise	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 225: Human Systems Integration	3		<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for <a href="#">internships</a>.</li> </ul>
 HSE 290: Experimental Methods for Human Systems Research (L)	3		



Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3
Elective	3
Term hours subtotal:	12

- Attend career fairs and events.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 337: Web Content Design	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at student organization competitions or professional societies.</li> </ul>
★ GIT 384: Commercial Photography	3		
GIT 303: Digital Publishing	3		
GIT 315: Digital Video Techniques	3		
TWC 451: Copyright and Intellectual Property in the Electronic Age	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 314: Multimedia Design, Planning and Storyboards	3		<ul style="list-style-type: none"> <li>• Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>• Apply for a Fulton Schools 4+1 program.</li> <li>• Develop a professional profile online.</li> </ul>
GIT 340: Information Design and Usability	3		
GIT 414: Web Site Design and Internet/Web Technologies	3		
HSE 390: Qualitative Research Methods (L)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 450: Digital Workflow in Graphic Industries	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> </ul>
★ HSE 325: Human-Computer Interaction	3		
TWC 301: Fundamentals of Writing for Digital Media (L)	3		
TWC 414: Visualizing Data and Information	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation	3		<ul style="list-style-type: none"> <li>• Complete an in-person or virtual practice interview.</li> </ul>
★ GIT 432: Graphic Industry Business Practices	3		
★ GIT 480: Senior Project	3		
TWC 444: User Experience	3		
GIT Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Human Systems Engineering, BS



School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

ESHSEBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU Mathematics Placement Assessment score determines placement in Mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
 MAT 170: Precalculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
BIO 100: The Living World (SQ) OR BIO 181: General Biology I (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Complete MAT 170 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 290: Experimental Methods for Human Systems Research (L)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
HSE 223: Applied Biology of Human Behavior (SB)	3	C	
HSE 224: Applied Social Science (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Technical Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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◆ HSE 225: Human Systems Integration	3	C
CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR IFT 101: Information Technology Programming Logic	3	
Technical Elective	3	
Global Awareness (G)	3	
Elective	3	
Term hours subtotal:	15	

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HSE 324: Applied Cognitive Science (SB)	3	C
HSE 390: Qualitative Research Methods (L)	3	C
HSE Elective	3	
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	15	

- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HSE 323: Perceptual Systems (SB)	3	C
HSE 325: Human-Computer Interaction	3	C
HSE Upper Division Elective	3	
Upper Division Elective	3	
Technical Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Research and prepare for **graduate school**.
- Apply for an **engineering 4+1 program**.
- Develop a **professional profile online**.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HSE 430: Statistics for Human Systems Research II (CS)	3	C
Complete 2 courses:		
HSE Upper Division Elective	6	
Upper Division Technical Elective	3	
Upper Division Elective OR HSE 484: Internship	3	
Term hours subtotal:	15	

- Plan for success using the **Senior Guide**.
- Use **Handshake** to apply for full-time positions.
- Complete an in-person or **practice interview**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HSE 477: Human Systems Engineering Capstone Experience	3	C
Complete 2 courses:		
HSE Upper Division Elective	6	
Complete 2 courses:		
Elective	6	
Term hours subtotal:	15	

- Technical electives should be chosen from the prefixes below. 3 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

Technical Electives
AME Elective
AMT Elective
BIO Elective
BME Elective
BMI Elective
CAP Elective
CIS Elective
CSE Elective
EEE Elective
EGR Elective
GIT Elective
HSE Elective
IEE Elective
IFT Elective
MFG Elective
OMT Elective
PSY Elective
SER Elective
TEM Elective
TMC Elective
TWC Elective

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Human Systems Engineering (User Experience), BS



School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

ESHSEUEBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU Mathematics Placement Assessment score determines placement in Mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a></li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
MAT 170: Precalculus (MA)	3	C	
BIO 100: The Living World (SQ) OR BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BIO 201: Human Anatomy and Physiology I (SG)	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 170 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 290: Experimental Methods for Human Systems Research (L)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
HSE 223: Applied Biology of Human Behavior (SB)	3	C	
HSE 224: Applied Social Science (SB)	3	C	
User Experience Concentration Course	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

		Minimum	
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Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Grade	Notes
🚩 HSE 225: Human Systems Integration	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR IFT 101: Information Technology Programming Logic	3		
User Experience Concentration Course	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HSE 324: Applied Cognitive Science (SB)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
HSE 390: Qualitative Research Methods (L)	3	C	
HSE Upper Division Elective	3		
User Experience Concentration Course	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HSE 323: Perceptual Systems (SB)	3	C	<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
HSE 325: Human-Computer Interaction	3	C	
User Experience Concentration Course	3		
Complete 2 courses: HSE Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HSE 430: Statistics for Human Systems Research II (CS)	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Apply for <b>full-time positions</b>.</li> <li>Complete an in-person or <b>practice interview</b>.</li> </ul>
Complete 2 courses: Upper Division User Experience Concentration Course	6		
Upper Division Elective OR HSE 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HSE 477: Human Systems Engineering Capstone Experience	3	C	
Upper Division User Experience Concentration Course	3		
Elective	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		



- Students must take 7 classes from the list below.

Hide Course List(s)/Track Group(s)

User Experience Concentration

GIT 135: Graphic Communications

GIT 210: Creative Thinking and Design  
Visualization

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GIT 337: Web Content Design

GIT 340: Information Design and Usability

GIT 402: New Media Internet Technologies

GIT 414: Web Site Design and Internet/Web  
Technologies

GIT 417: Advanced Web Markup and  
Scripting

GIT 418: Multimedia Authoring, Scripting and  
Production

GIT 494: UI/UX Consulting

HSE 427: Designing for Learning

HSE 429: Product Design and Evaluation

TWC 411: Principles of Visual  
Communication (L)

TWC 414: Visualizing Data and Information

TWC 421: Principles of Web Authoring (L)

TWC 444: User Experience

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Industrial Engineering, BSE





School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESIEEBSE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses.</li> <li>• ASU Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken in the first semester.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-IEE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Basic Science Elective	3-4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15-16		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• Students with credit for CHM 113 must take CHM 116.</li> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 IEE 210: Introduction to Industrial Engineering	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
MSE 250: Structure and Properties of Materials	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete Mathematics (MA) requirement.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
⚠ IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
⚠ MAT 275: Modern Differential Equations (MA)	3	C	
⚠ PHY 121: University Physics I: Mechanics (SQ)	3	C	
⚠ PHY 122: University Physics Laboratory I (SQ)	1	C	
IEE 305: Information Systems Engineering (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IEE 385: Engineering Statistics: Probability	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization competitions</b> or professional societies.</li> </ul>
IEE 300: Economic Analysis for Engineers	3	C	
MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3		
MAT 242: Elementary Linear Algebra OR MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	2-3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3		
PHY 132: University Physics Laboratory II (SQ)	1		
Term hours subtotal:	15-16		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IEE 321: Ethics and Technical Communication	1	C	<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
★ IEE 376: Operations Research Deterministic Techniques/Applications	3	C	
IEE 369: Work Analysis and Design (L)	3	C	
Engineering Science Elective	3-4		
Upper Division Career Focus Study Area	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16-17		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IEE 485: Systems Design Capstone I (L)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or <b>practice interview</b>.</li> </ul>
IEE 470: Stochastic Operations Research	3	C	
IEE 474: Quality Control	3	C	
IEE 475: Simulating Stochastic Systems (CS)	3	C	
Upper Division Career Focus Study Area	3	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IEE 486: Systems Design Capstone II (L)	3	C	
IEE 461: Production Control	3	C	

Upper Division Career Focus Study Area	3	C
Upper Division IEE Technical Elective	3	C
Term hours subtotal:	12	

- Select a minimum of nine semester hours from one of the following Career Focus Study Areas. Students will need to submit a Career Focus Proposal Form prior to taking classes. Please note that some of these courses may require additional prerequisites. All course options should be discussed with an advisor, as classes have prerequisites and are sequential. Visit [CIDSE](#) website for additional information about Career Focus Study Area and Technical Elective courses.

Hide Course List(s)/Track Group(s)

Engineering Science Elective	Basic Science Elective	Career Focus Study Area (Computer/Information Systems Engineering) *Students should plan to take MAT 300 as a TE for this focus
CEE 384: Numerical Methods for Engineers (CS)	BIO 181: General Biology I (SQ)	
CSE 120: Digital Design Fundamentals	BIO 182: General Biology II (SG)	CSE 310: Data Structures and Algorithms
CSE 240: Introduction to Programming Languages	BME 111: Engineering Perspectives on Biological Systems	CSE 330: Operating Systems
EEE 202: Circuits I	CHM 113: General Chemistry I (SQ)	CSE 360: Introduction to Software Engineering
MAE 213: Mechanics of Materials	GLG 101: Introduction to Geology I (Physical) (SQ)	IEE 456: Introduction to Systems Engineering
MAE 240: Thermofluids I	GLG 102: Introduction to Geology II (Historical) (SG & H)	
MAE 241: Introduction to Thermodynamics	GLG 110: Dangerous World (SG & G)	
	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	
Career Focus Study Area (Engineering Management)	Career Study Focus Area (Electronics Manufacturing)	Career Focus Study Area (Financial Engineering)
IEE 431: Engineering Administration (L)	EEE 352: Properties of Electronic Materials	IEE 412: Introduction to Financial Engineering
IEE 454: Risk Management	EEE 435: Fundamentals of CMOS and MEMS	IEE 431: Engineering Administration (L)
IEE 456: Introduction to Systems Engineering	EEE 436: Fundamentals of Solid-State Devices	IEE 454: Risk Management
IEE 458: Project Management		
Career Focus Study Area (Global Industrial Engineering Leadership)	Career Focus Study Area (Health Care Systems Engineering)	Career Study Focus Area (Industrial Engineering 4+1 Program)
ECN 306: Survey of International Economics (SB & G)	IEE 421: Urban Operations Research	Note: Students must be admitted into the 4+1 Program. See your academic advisor for details.
MGT 302: Principles of International Business (G)	IEE 426: Operations Research in Healthcare	Three graduate-level courses (IEE 5**) of which two or more are from the Master's Core Class list.
MGT 459: International Management (G)	IEE 431: Engineering Administration (L)	
Career Focus Study Area (Industrial Statistics)	Career Focus Study Area (Operations Research)	IEE Technical Electives (May not be duplicated with Career Focus Study Area requirement courses)
IEE 381: Lean Six Sigma Methodology	IEE 421: Urban Operations Research	CSE 494: Data Mining
STP 425: Stochastic Processes		

STP 429: Experimental Statistics (CS)

IEE 426: Operations Research in Healthcare

FSE 301: Entrepreneurship and Value Creation

MAT 300: Mathematical Structures (L)

IEE 381: Lean Six Sigma Methodology

IEE 412: Introduction to Financial Engineering

IEE 421: Urban Operations Research

IEE 426: Operations Research in Healthcare

IEE 431: Engineering Administration (L)

IEE 437: Human Factors Engineering

IEE 454: Risk Management

IEE 456: Introduction to Systems Engineering

IEE 458: Project Management

IEE 477: System Dynamics and Thinking

SCM 300: Global Supply Operations

Any 300-level or higher approved Engineering or Business course with Program Chair approval.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Informatics, BS




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCPIBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CPI 101: Introduction to Informatics (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses</li> <li>• ASU Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent First Year Seminar (ASU 101-CSE) required of all freshman students</li> <li>• If ENG 105 is taken, a three (3) credit hour elective must also be taken prior to graduation.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 CSE 110: Principles of Programming with Java (CS)	3	C	
 MAT 210: Brief Calculus (MA) OR MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CPI 220: Applied Data Structures and Algorithms	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
IEE 305: Information Systems Engineering (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ CPI 200: Mathematical Foundations of Informatics (MA)	3	C
❖ CPI 221: Advanced Object-Oriented Principles Using Java	3	C
Informatics Focus Area	3	C
Humanities, Arts and Design (HU)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	16	

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CPI 360: Decision Making and Problem Solving	3	C	<ul style="list-style-type: none"> <li>• Students who plan to pursue the Enterprise Informatics Focus Area will need to take IEE 380 for the CS requirement.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at student organization competitions or professional societies.</li> </ul>
CPI 310: Web-Based Information Management Systems	3	C	
CSE 301: Computing Ethics	1	C	
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR STP 420: Introductory Applied Statistics (CS) OR IEE 380: Probability and Statistics for Engineering Problem Solving (CS) OR GIS 470: Advanced Statistics for Geography and Planning (CS)	3	C	
Complete 2 courses: Informatics Focus Area	6	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CPI 350: Evaluation of Informatics Systems	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for graduate school.</li> <li>• Develop a professional profile online.</li> </ul>
CSE 463: Introduction to Human Computer Interaction	3	C	
Complete 2 courses: Informatics Focus Area	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 485: Computer Science Capstone Project I (L)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or practice interview.</li> </ul>
Complete 4 courses: Upper Division Informatics Elective	12	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 486: Computer Science Capstone Project II (L)	3	C	
Complete 3 courses: Upper Division Informatics Elective	9	C	
Term hours subtotal:	12		



- Informatics Focus Area and Informatics Electives: Select a focus area and complete at least 15 hours in that focus area. Select another 21 hours from the courses on these lists to complete the 36-hour requirement. Students will need to take 21 of the 36 total hours as upper division 300/400 level courses. It is recommended that you work with your academic advisor when making course selections. Visit the [CIDSE website](#) for additional information about Informatics Electives or Focus Area Required Courses.

Hide Course List(s)/Track Group(s)

Informatics Focus Area (Enterprise Informatics)	Informatics Focus Area (Game Informatics)	Informatics Focus Area (Geo-Informatics)
<p>Required courses: AND MAT 266: Calculus for Engineers II (MA) AND IEE 376: Operations Research Deterministic Techniques/Applications AND IEE 385: Engineering Statistics: Probability AND IEE 470: Stochastic Operations Research AND Select One:</p> <p>IEE 421: Urban Operations Research</p> <p>IEE 426: Operations Research in Healthcare</p> <p>IEE 461: Production Control</p> <p>IEE 474: Quality Control</p> <p>IEE 475: Simulating Stochastic Systems (CS)</p> <p>IEE 477: System Dynamics and Thinking</p>	<p>Required: AND CPI 111: Game Development I (CS) AND CPI 211: Game Development II AND CPI 311: Game Engine Development AND CPI 321: Fundamentals of Game Art AND Select one:</p> <p>CPI 411: Graphics for Games</p> <p>CPI 421: 3-D Modeling and Texturing</p> <p>CPI 462: Design for Learning in Virtual Worlds</p> <p>SER 431: Advanced Graphics</p>	<p>Required:</p> <p>GIS 205: Geographic Information Science I (CS)</p> <p>GIS 211: Geographic Information Science II (CS)</p> <p>GIS 311: Geographic Information Science III (CS)</p> <p>Select two:</p> <p>ABS 485: GIS in Natural Resources</p> <p>GCU 441: Economic Geography (SB)</p> <p>GIS 222: Programming Principles in GIS I</p> <p>GIS 322: Programming Principles in GIS II</p> <p>GIS 341: Introduction to Cartography and Georepresentation (CS)</p> <p>GIS 461: Optimization Fundamentals for Spatial Analysis</p> <p>GIS 462: Location Analysis and Modeling</p> <p>GIS 470: Advanced Statistics for Geography and Planning (CS)</p> <p>GIS 471: Spatial Statistics for Geography and Planning</p> <p>GIS 494: Data Mining and Data-Driven Geography</p>
Informatics Focus Area (Digital Culture Studies)	Additional Informatics Electives	
<p>Recommended first course is AME 111.</p> <p>AME 111: Introduction to Digital Culture (CS)</p> <p>AME 112: Computational Thinking for Digital Culture</p> <p>AME 130: Prototyping Dreams (L)</p> <p>AME 220: Programming for the Web</p> <p>AME 294: Introduction to Physical Computing</p>	<p>Students may choose from any of the courses not in their selected focus area as Informatics Electives in addition to the courses listed below:</p> <p>AME 394: Philosophies of Technology</p> <p>BIO 355: Introduction to Computational Molecular Biology (CS)</p> <p>BIO 411: Quantitative Methods in Conservation and Ecology</p>	

AME 3** Elective	BMI 102: Introduction to Public Health Informatics
AME 4** Elective	
ART 116: Introduction to Digital Media	CIS 365: Business Database Systems Development
ART 206: Digital Photography I: The Still Image in Digital Culture	CPI 441: Gaming Capstone
ART 217: Introduction to Computer Animation	CPI 460: Intelligent Interactive Instructional Systems
ART 218: 3D Tools	
ART 345: Visualization and Prototyping	CPI 484: Internship
ART 346: 3-D Computer Imaging and Animation (CS)	CPI 494: Special Topics
ART 348: Animation Motion Studies	CSE 220: Programming for Computer Engineering
ART 394: 2-D Computer Animation	CSE 240: Introduction to Programming Languages
ART 394: 2D Computer Animation for Non-Majors	CSE 259: Logic in Computer Science
ART 394: Digital Photography for Non-Majors	CSE 294: Algorithmic Problem Solving
ART 440: Experimental Video Art	CSE 310: Data Structures and Algorithms
ART 494: Documentary Video Art	CSE 335: Principles of Mobile Application Development
ART 494: Stop Motion Animation	CSE 360: Introduction to Software Engineering
ART 494: Visual Prototyping	
CIS 300: Web Design and Development	CSE 394: Special Topics
CPI 111: Game Development I (CS)	CSE 408: Multimedia Information Systems
DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	CSE 412: Database Management
EDT 440: Creating and Marketing Mobile Apps	CSE 470: Computer Graphics
FMP 240: Introduction to Animation for Film	CSE 471: Introduction to Artificial Intelligence
FMP 255: Media Authorship (CS)	CSE 476: Introduction to Natural Language Processing
FMP 294: Sound Design: From Hollywood to Independent Film	CSE 477: Introduction to Computer-Aided Geometric Design
FMP 294: Story Development for Game Design	CSE 494: Special Topics
FMP 394: Non-Linear Editing for Film and Media	FSE 301: Entrepreneurship and Value Creation
GRA 294: InDesign	
GIT 135: Graphic Communications	FSE 494: EPICS Gold III
GIT 215: Introduction to Web Authoring	GIT 335: Computer Systems Technology
GIT 230: Digital Illustration in Publishing	GRA 294: Photoshop
IAP 103: Foundations I: Interdisciplinary Digital Media	HSE 101: Introduction to Human Systems Engineering (SB)
IAP 104: Foundations I: Fundamentals of Sound Art	IEE 385: Engineering Statistics: Probability
MDC 211: Introduction to Digital Sound	MAT 267: Calculus for Engineers III (MA)

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MDC 311: Composing and Performing for Hybrid Ensembles

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SER 316: Software Enterprise: Construction and Transition

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SER 334: Operating Systems and Networks

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SOC 334: Technology and Society (L or SB)

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STS 304: Science, Technology, and Society (SB)

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TEL 313: Technology in an Educational Setting

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TWC 414: Visualizing Data and Information

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TWC 444: User Experience

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition





General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Information Technology, BS





School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSIFTBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>ASU Mathematics Placement Assessment score determines placement into Mathematics course.</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 IFT 100: Introduction to Information Technology	3	C	
 IFT 101: Information Technology Programming Logic	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 102: Introduction to Java Technologies	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
IFT 200: Information Modeling, Storage and Retrieval	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 201: Computer and Network Systems: Organization and Administration	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 IFT 250: Introduction to UNIX Utilities	3	C	
MAT 243: Discrete Mathematical Structures	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete MAT 210 course(s).			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 259: Introduction to Internet Networking	3	C	

HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS)	3	C
IFT 220: Managing Configurations and Active Directory	3	C
Secondary Focus Area	3	
Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	15	

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IFT 302: Foundations of Information and Computer System Security	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Plan for success using the <u>Junior Guide</u>.</li> <li>• Network at <u>student organization competitions</u> or professional societies.</li> </ul>
IFT 358: Network Information Communication Technology	3	C	
IFT 383: Shell and Script Programming with UNIX	3	C	
TMC 330: Leading the Enterprise	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IFT 301: Web Programming for Human Computer Interface	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Research and prepare for <u>graduate school</u>.</li> <li>• Apply for a <u>Fulton Schools 4+1 program</u>.</li> <li>• Develop a <u>professional profile online</u>.</li> </ul>
IFT 372: Wireless Networking	3	C	
Primary Focus Area	3	C	
Secondary Focus Area	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IFT 401: Information Technology Capstone Project I	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Plan for success using the <u>Senior Guide</u>.</li> <li>• Use <u>Handshake</u> to apply for full-time positions.</li> <li>• Complete an in-person or <u>practice interview</u>.</li> </ul>
Complete 2 courses:			
Upper Division Primary Focus Area	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Secondary Focus Area	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IFT 402: Information Technology Capstone Project II	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.</li> </ul>
HST 318: History of Engineering ((L or SB) & G)	3		
Upper Division Primary Focus Area	3	C	
Upper Division Secondary Focus Area	3		
Term hours subtotal:	12		

- Students choose one primary focus area (12 hours). Students must take primary focus area courses sequentially in order to meet the prerequisites of subsequent upper division courses.  
Additional Focus Areas may be available; please check with your Academic Advisor for more information.

Hide Course List(s)/Track Group(s)

Networking and Computer Systems Security Focus Area	Information Systems Focus Area
IFT 458: Middleware Programming and Database Security	IFT 333: Introduction to Big Data
IFT 475: Security Analysis	IFT 433: Intermediate Database Management Systems
IFT 481: Information System Security	IFT 443: Analyzing Big Data
IFT 482: Network Forensics	IFT 458: Middleware Programming and Database Security
IFT 483: Developing Security Policy	IFT 472: Managing the Cloud
IFT 488: Systems Administration of UNIX	
IFT 489: TCP/IP and Routing	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition












General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Information Technology, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online](#)

TSIFTBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU Mathematics Placement Assessment score determines placement in Mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 IFT 100: Introduction to Information Technology	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 101: Information Technology Programming Logic	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Term hours subtotal:	9		
Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 102: Introduction to Java Technologies	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		
Term 2 - B 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
IFT 200: Information Modeling, Storage and Retrieval	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 32 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 201: Computer and Network Systems: Organization and Administration	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do</li> </ul>
MAT 243: Discrete Mathematical Structures	3	C	

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3


informational interviews and mentor with alumni.

Term hours subtotal: 9


Term 3 - B 41 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 IFT 250: Introduction to UNIX Utilities	3	C	
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
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 Complete MAT 210 course(s).			
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Term hours subtotal: 7

Term 4 - A 48 - 54 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 IFT 259: Introduction to Internet Networking	3	C	
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Secondary Focus Area	3		
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Term hours subtotal: 6

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.
- Pursue an **undergraduate research experience**.
- Apply for **internships**.
- Attend **career fairs and events**.


Term 4 - B 54 - 63 Credit Hours	Hours	Minimum Grade	Notes
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HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS)	3	C	
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IFT 220: Managing Configurations and Active Directory	3	C	
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Social-Behavioral Sciences (SB)	3		
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Term hours subtotal: 9

Term 5 - A 63 - 72 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 IFT 302: Foundations of Information and Computer System Security	3	C	
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IFT 358: Network Information Communication Technology	3	C	
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IFT 383: Shell and Script Programming with UNIX	3	C	
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Term hours subtotal: 9

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.
- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term 5 - B 72 - 78 Credit Hours	Hours	Minimum Grade	Notes
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TMC 330: Leading the Enterprise	3		
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Literacy and Critical Inquiry (L)	3		
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Term hours subtotal: 6

Term 6 - A 78 - 87 Credit Hours	Hours	Minimum Grade	Notes
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IFT 372: Wireless Networking	3	C	
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Primary Focus Area	3	C	
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Secondary Focus Area	3		
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Term hours subtotal: 9

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.
- Research and prepare for **graduate school**.



- Apply for a [Fulton Schools 4+1 program](#).
- Develop a [professional profile online](#).

Term 6 - B 87 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IFT 301: Web Programming for Human Computer Interface	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 93 - 102 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IFT 401: Information Technology Capstone Project I	3	C	
Upper Division Secondary Focus Area	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.</li> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in-person or <a href="#">practice interview</a>.</li> </ul>

Term 7 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Upper Division Primary Focus Area	6	C	
Term hours subtotal:	6		

Term 8 - A 108 - 114 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IFT 402: Information Technology Capstone Project II	3	C	
Upper Division Secondary Focus Area	3		
Term hours subtotal:	6		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.</li> </ul>

Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Primary Focus Area	3	C	
HST 318: History of Engineering (L or SB) & G)	3		
Term hours subtotal:	6		

- Students choose one primary focus area (12 hours). Students must take primary focus area courses sequentially in order to meet the prerequisites of subsequent upper division courses.  
Additional Focus Areas may be available; please check with your Academic Advisor for more information.

Hide Course List(s)/Track Group(s)

Networking and Computer Systems Security Focus Area	Information Systems Focus Area
	IFT 333: Introduction to Big Data

IFT 458: Middleware Programming and Database Security	IFT 433: Intermediate Database Management Systems
IFT 475: Security Analysis	IFT 443: Analyzing Big Data
IFT 481: Information System Security	IFT 458: Middleware Programming and Database Security
IFT 482: Network Forensics	IFT 472: Managing the Cloud
IFT 483: Developing Security Policy	
IFT 488: Systems Administration of UNIX	
IFT 489: TCP/IP and Routing	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Manufacturing Engineering, BS




School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Polytechnic campus](#)

TSMEGRBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a></li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
 Complete MAT 266 course(s).			
Term hours subtotal:	15		

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 202: Use-Inspired Design Project II	3	C	<ul style="list-style-type: none"> <li>Pursue an <a href="#">undergraduate research experience</a>.</li> </ul>
 EGR 280: Engineering Statistics (CS)	3	C	

EGR 217: Engineering Mechanics Fundamentals	3	C
EGR 219: Computational Modeling of Engineering Systems	3	C
MAT 275: Modern Differential Equations (MA)	3	C
◆ Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).		
◆ Complete MAT 267 course(s).		
Term hours subtotal:		15

- Attend career fairs and events.

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MFG 308: Manufacturing System Project I	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ MFG 382: Modeling of Manufacturing Systems I	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
MFG 381: Manufacturing Processes and Validation Lab	3	C	
MFG 383: Communications in a Production Environment	3		
Term hours subtotal:		16	

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MFG 318: Manufacturing Systems Project II	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> <li>• Begin looking for <b>internships</b>.</li> </ul>
HST 318: History of Engineering ((L or SB) & G)	3		
MAT 343: Applied Linear Algebra	3		
MFG 385: Design for Manufacturing	3		
MFG 387: Industrial Automation	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 93 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	<ul style="list-style-type: none"> <li>• MFG 485: Must complete an <b>internship application</b> two weeks prior to registration.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or <b>practice interview</b>.</li> </ul>
★ MFG 482: Materials Science in Manufacturing	4		
MFG 485: Engineering Internship	2		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:		12	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		
MFG 461: Manufacturing Enterprise Operations	3		
MFG 480: Advanced Statistical Approaches for Manufacturing	3		
Upper Division Technical Elective	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:		15	

Hide Course List(s)/Track Group(s)

#### Technical Electives

EGR 394: Advanced CADD & Solid Modeling

EGR 431: Power Management

EGR 476: Microgrid Design and Operation

EGR 494: Integration of Automation Systems

EGR 494: Professional Digital Product Definition

MFG 472: Additive Manufacturing

MFG 486: CNC Computer Programming

MFG 487: Casting and Forming Processes

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map









### Materials Science and Engineering, BSE




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESMSEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FSE 100: Introduction to Engineering	2		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• ASU Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• ASU 101-MSE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.</li> <li>• If student takes ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-MSE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MSE 250: Structure and Properties of Materials	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete CHM 114 OR CHM 116 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	
 MSE 215: Materials Synthesis	3		

⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
⚠ PHY 132: University Physics Laboratory II (SQ)	1	C
Math or Science Elective	3-4	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
⚠ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16-17	

- For additional information about Math or Science Electives, please go to: [Math or Science Electives](#)
- Prep for success using the [Sophomore Guide](#).
- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAT 275: Modern Differential Equations (MA)	3	C	<ul style="list-style-type: none"> <li>• For additional information about Advanced Science Electives options, please go to: <a href="#">Advanced Science Electives</a></li> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for internships.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
⚠ MAT 343: Applied Linear Algebra	3	C	
⚠ MSE 211: Introduction to Mechanics of Materials	3	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
Advanced Science Elective	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MSE 355: Structure and Defects	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization competitions</a> or professional societies.</li> </ul>
MSE 330: Thermodynamics of Materials	3		
MSE 356: Structures, Properties, and Defects Lab	1		
MSE 415: Mathematical and Computer Methods in Materials (CS)	3		
MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MSE 420: Physical Metallurgy	3		<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a></li> <li>• Apply for an <a href="#">engineering 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
MSE 335: Materials Kinetics and Processing	3		
MSE 421: Physical Metallurgy Laboratory	1		
MSE 450: Introduction to Materials Characterization	3		
MSE 451: Introduction to Materials Characterization Lab	1		
MSE 458: Introduction to Electronic, Magnetic, and Optical Properties	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 93 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MSE 489: Capstone Design Project I (L)	1		<ul style="list-style-type: none"> <li>• For additional information about Materials Elective options, please go to: <a href="#">Materials Elective</a></li> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> </ul>
MSE 440: Mechanical Behavior of Materials	3		
MSE 482: Materials Engineering Design (L)	3		
Complete 2 courses: Materials Elective	6		

Term hours subtotal: 13

- Use [Handshake](#) to apply for full-time positions.
- Complete an in-person or [practice interview](#).

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MSE 490: Capstone Design Project II (L)	2		<ul style="list-style-type: none"> <li>• For additional information about Advanced Science Electives and Technical Electives, please go to: <a href="#">Advanced Science Electives and Technical Electives</a></li> </ul>
Advanced Science Elective	3		
<i>Complete 2 courses:</i>	6		
Technical Elective			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

- For more information about Math or Science Elective course options, Materials Elective course options, Advanced Science Elective course options, or Technical Elective course options, please go to: [MSE Elective Course Options](#)

Hide Course List(s)/Track Group(s)

Math or Science Elective	Advanced Science Elective	Technical Electives
AST 111: Introduction to Solar Systems Astronomy (SQ)	ABS 225: Soils (SQ)	CEE 353: Civil Engineering Materials
AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ)	ABS 350: Applied Statistics (CS)	CHE 211: Introduction to Chemical Processing
BIO 130: Introduction to Environmental Science (SQ)	AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)	CHE 494: Special Topics
BIO 201: Human Anatomy and Physiology I (SG)	AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)	CIS 310: Business Data Visualization
CHM 113: General Chemistry I (SQ)	AST 421: Astrophysics I	EEE 202: Circuits I
CHM 231: Elementary Organic Chemistry (SQ)	BCH 341: Physical Chemistry with a Biological Focus	EEE 241: Fundamentals of Electromagnetics
CHM 233: General Organic Chemistry I	BIO 201: Human Anatomy and Physiology I (SG)	EEE 352: Properties of Electronic Materials
GLG 101: Introduction to Geology I (Physical) (SQ)	BIO 320: Fundamentals of Ecology	EEE 435: Fundamentals of CMOS and MEMS Devices
MAT 211: Mathematics for Business Analysis	CHM 231: Elementary Organic Chemistry (SQ) or CHM 233: General Organic Chemistry I	EEE 465: Photovoltaic Energy Conversion
MAT 243: Discrete Mathematical Structures	CHM 302: Environmental Chemistry	EGR 219: Computational Modeling of Engineering Systems
PHY 201: Mathematical Methods in Physics I (CS)	CHM 325: Analytical Chemistry	FSE 301: Entrepreneurship and Value Creation
Advanced Science Elective	CHM 341: Elementary Physical Chemistry	FSE 394: EPICS Gold II AND FSE 494: EPICS Gold III AND FSE 494: EPICS Gold: EPICS in Action
Contact your advisor for additional course options to be reviewed through department petition.	CHM 345: Physical Chemistry I	IEE 300: Economic Analysis for Engineers
	CHM 346: Physical Chemistry II	IEE 369: Work Analysis and Design (L)
	ENV 410: Soil Science	IEE 385: Engineering Statistics: Probability
	GLG 404: Fundamentals of Planetary Geology	



GLG 418: Geophysics

PHY 201: Mathematical Methods in Physics I (CS)

PHY 334: Advanced Laboratory I (L)

Contact your advisor for additional course options to be reviewed through department petition.

IEE 437: Human Factors Engineering

IEE 474: Quality Control

MAE 494: Special Topics

MEE 322: Structural Mechanics

MEE 342: Principles of Mechanical Design

MSE 484: Internship

MSE 494: Special Topics

Advanced Science Elective

For MSE 492/493/498/499 courses, please work with your advisor for prior approval.

Contact your advisor for additional course options to be reviewed through department petition.

#### Materials Elective

Please choose two courses from the following options:

MSE 470: Polymers and Composites

MSE 471: Introduction to Ceramics

MSE 494: Polymer Syn & Prop

BME 318: Biomaterials

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map








### Mechanical Engineering, BSE





School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESMAEMBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• ASU Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• ASU 101-MEE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.</li> <li>• If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-MEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a</li> </ul>
 MAT 267: Calculus for Engineers III (MA)	3	C	
 MAT 275: Modern Differential Equations (MA)	3	C	

◆ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
◆ Complete CHM 114 OR CHM 116 course(s).		
◆ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 46 - 62 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
◆ MAE 213: Mechanics of Materials	3	C	
◆ MAE 241: Introduction to Thermodynamics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 322: Structural Mechanics	4	C	<ul style="list-style-type: none"> <li>Plan for success using the Junior Guide.</li> <li>Network at student organization competitions or professional societies.</li> </ul>
MAE 242: Introduction to Fluid Mechanics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MSE 250: Structure and Properties of Materials	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 342: Principles of Mechanical Design	3	C	<ul style="list-style-type: none"> <li>Research and prepare for graduate school.</li> <li>Apply for an engineering 4+1 program.</li> <li>Develop a professional profile online.</li> </ul>
MAE 318: System Dynamics and Control I	4	C	
MAE 400: Engineering Profession (L)	3	C	
MEE 323: Computer-Aided Engineering II	2	C	
MEE 340: Heat Transfer	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 488: Mechanical Engineering Design I	3	C	<ul style="list-style-type: none"> <li>For additional information about Upper Division Technical Electives, please go to Upper Division Technical Electives.</li> <li>Plan for success using the Senior Guide.</li> <li>Use Handshake to apply for full-time positions.</li> <li>Complete an in-person or practice interview.</li> </ul>
MAE 417: System Dynamics and Control II	3	C	
MEE 491: Experimental Mechanical Engineering (L)	3	C	
Upper Division Technical Elective	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 489: Mechanical Engineering Design II	3	C	

<i>Complete 2 courses:</i>		
Upper Division Technical Elective	6	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	12	

- For additional information about Upper Division Technical Electives, please go to: [Upper Division Technical Electives](#).

- For additional information about Upper Division Technical Electives please go to: [Upper Division Technical Electives](#)

Hide Course List(s)/Track Group(s)

Upper Division Technical Electives
AEE OR MAE OR MEE Upper Division Elective
AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)
AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)
BME 300: Bioengineering Product Design
BME 316: Biomechanics for Biomedical Engineers
BME 318: Biomaterials
BME 350: Signals and Systems for Bioengineers
BME 494: Bioenergy and Microbial Biotechnology
CEE 361: Introduction to Environmental Engineering
CEE 372: Transportation Engineering
CEE 440: Hydrology
CEE 494: Energy Efficient Buildings and Systems , Sustainable Energy Technologies , Sustainable Energy and Material Use
CHE 494: Biomass Energy Conversion Technology , Fuel Cells & Biofuel Cells , Molecular Sensor Systems for Health & Environment , Nanobiotechnology , Polymer Principles & Processing , Six Sigma Methodology/Engineering Experimentation
CHM 302: Environmental Chemistry
CHM 325: Analytical Chemistry
EEE 304: Signals and Systems II
EEE 333: Hardware Design Languages and Programmable Logic

EEE 334: Circuits II

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EEE 350: Random Signal Analysis

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EEE 360: Energy Systems and Power  
Electronics

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EEE 407: Digital Signal Processing

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EEE 460: Nuclear Power Engineering

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EEE 463: Electrical Power Plants

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EEE 480: Feedback Systems

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EGR 433: Transforms and Systems Modeling

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EGR 455: Robotic Systems I

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EGR 456: Robotic Systems II

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EGR 494: Engineering in Semiconductors and  
Microelectronics

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GLG 418: Geophysics

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IEE 305: Information Systems Engineering  
(CS)

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IEE 376: Operations Research Deterministic  
Techniques/Applications

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MAT 300: Mathematical Structures (L)

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MAT 310: Introduction to Geometry

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MAT 371: Advanced Calculus I

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MAT 420: Scientific Computing

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MAT 421: Applied Computational Methods  
(CS)

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MAT 423: Numerical Analysis I (CS)

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MAT 425: Numerical Analysis II (CS)

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MAT 451: Mathematical Modeling (CS)

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MAT 461: Applied Complex Analysis

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MSE 330: Thermodynamics of Materials

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MSE 355: Structure and Defects

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MSE 440: Mechanical Behavior of Materials

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MSE 450: Introduction to Materials  
Characterization

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MSE 460: Nanomaterials in Energy  
Production and Storage

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MSE 476: Growth and Processing of  
Semiconductors

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MSE 494: Bioinspired Materials and  
Biomaterials , Electrochemical Energy Storage  
and Conversion , Failure Analysis of Metallic

Materials , Manufacturing Processes for  
Structural Materials , Structural Materials in  
Nuclear Power Systems

PHY 310: Classical Particles, Fields, and  
Matter I

PHY 361: Introductory Modern Physics

SES 311: Essentials of Astrobiology:  
Exploration for Life in the Universe

SES 350: Engineering Systems and  
Experimental Problem Solving

SES 494: Modeling and Analysis of Space  
Thermal Systems

By approval only:

MAE 484: Internship

MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)

MAE 498: Pro-Seminar or MAE 499:  
Individualized Instruction

\*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

Students may only apply ONE (1) course from the list below:

CEE 400: Earth Systems Engineering and  
Management ((L or HU) & H)

EGR 317: Humanitarian Engineering Project II

FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering in Global Context

IEE 300: Economic Analysis for Engineers

IEE 431: Engineering Administration (L)

IEE 437: Human Factors Engineering

MAE 394: Aeronautics in England

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.















## 2019 - 2020 Major Map

### Mechanical Engineering (Computational Mechanics), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESMAECBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• ASU Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• ASU 101-MEE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.</li> <li>• If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
ASU 101-MEE: The ASU Experience	1			
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C		
FSE 100: Introduction to Engineering	2	C		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
<hr/>				
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>	
 MAT 242: Elementary Linear Algebra	2	C		
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
MAE 215: Introduction to Programming in MATLAB	1	C		
PHI 103: Principles of Sound Reasoning (L or HU)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
<hr/>				
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 MAT 267: Calculus for Engineers III (MA)	3	C		
 MAT 275: Modern Differential Equations (MA)	3	C		



◆ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
◆ Complete CHM 114 OR CHM 116 course(s).		
◆ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research</b> experience.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs</b> and events.</li> </ul>
◆ MAE 213: Mechanics of Materials	3	C	
◆ MAE 241: Introduction to Thermodynamics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MEE 322: Structural Mechanics	4	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS)	3	C	
MAE 242: Introduction to Fluid Mechanics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MSE 250: Structure and Properties of Materials	3	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MEE 342: Principles of Mechanical Design	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b></li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
MAE 318: System Dynamics and Control I	4	C	
MEE 323: Computer-Aided Engineering II	2	C	
MEE 340: Heat Transfer	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MEE 488: Mechanical Engineering Design I	3	C	<ul style="list-style-type: none"> <li>• For additional information regarding Upper Division Computational Mechanics Technical Electives, please go to: <b>Upper Division Computational Mechanics Technical Electives</b></li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or <b>practice interview</b>.</li> </ul>
MAE 400: Engineering Profession (L)	3	C	
Complete 2 courses:			
Upper Division Computational Mechanics Technical Elective	6	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 489: Mechanical Engineering Design II	3	C	
AEE 471: Computational Fluid Dynamics OR MAE 404: Finite Elements in Engineering	3	C	
MEE 491: Experimental Mechanical Engineering (L)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

- For additional information about Upper Division Computational Mechanics Technical Electives, please go to: [Upper Division Computational Mechanics Technical Electives](#)

Hide Course List(s)/Track Group(s)

Computational Mechanics Technical Electives

AEE 360: Aerodynamics (L)

AEE 471: Computational Fluid Dynamics

CSE 205: Object-Oriented Programming and Data Structures (CS)

IEE 305: Information Systems Engineering (CS)

IEE 376: Operations Research Deterministic Techniques/Applications

MAE 404: Finite Elements in Engineering

MAT 420: Scientific Computing

MAT 421: Applied Computational Methods (CS)

MAT 423: Numerical Analysis I (CS)

MAT 425: Numerical Analysis II (CS)

MAT 451: Mathematical Modeling (CS)

MAT 461: Applied Complex Analysis

By approval only:

MAE 484: Internship

MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)

MAE 498: Pro-Seminar or MAE 499: Individualized Instruction

\*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not

listed here require a department petition form.  
To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.















## 2019 - 2020 Major Map

### Mechanical Engineering (Energy and Environment), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESMAEEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• ASU Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• ASU 101-MEE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.</li> <li>• If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
ASU 101-MEE: The ASU Experience	1			
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C		
FSE 100: Introduction to Engineering	2	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
<hr/>				
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>	
 MAT 242: Elementary Linear Algebra	2	C		
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
MAE 215: Introduction to Programming in MATLAB	1	C		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
<hr/>				
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 MAT 267: Calculus for Engineers III (MA)	3	C		
 MAT 275: Modern Differential Equations (MA)	3	C		

◆ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
◆ Complete CHM 114 OR CHM 116 course(s).		
◆ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research</a> experience.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs</a> and events.</li> </ul>
◆ MAE 213: Mechanics of Materials	3	C	
◆ MAE 241: Introduction to Thermodynamics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MEE 322: Structural Mechanics	4	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) OR CHM 233: General Organic Chemistry I	3	C	
MAE 242: Introduction to Fluid Mechanics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MSE 250: Structure and Properties of Materials	3	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MAE 318: System Dynamics and Control I	4	C	<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for an <a href="#">engineering 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
★ MEE 340: Heat Transfer	3	C	
MAE 400: Engineering Profession (L)	3	C	
MEE 323: Computer-Aided Engineering II	2	C	
MEE 342: Principles of Mechanical Design	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MEE 482: Intermediate Thermodynamics	3	C	<ul style="list-style-type: none"> <li>• For additional information about Upper Division Energy and Environment Technical Electives, please see: <a href="#">Upper Division Energy and Environment Technical Electives</a></li> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Apply for <a href="#">full-time positions</a>.</li> <li>• Complete an in-person or <a href="#">practice interview</a>.</li> </ul>
GCU 364: Energy in the Global Arena (SB & G) OR PUP 190: Sustainable Cities ((HU or SB) & G) OR SOS 171: The Thread of Energy (SB & G) OR GPH 314: Global Change (HU & G) OR HST 302: Energy Transitions and Sustainability ((HU or SB) & G & H)	3		
MAE 417: System Dynamics and Control II	3	C	
MEE 491: Experimental Mechanical Engineering (L)	3	C	
Upper Division Energy and Environment Technical Elective	3	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MEE 446: Energy Systems Design	3	C	<ul style="list-style-type: none"> <li>For additional information about Upper Division Technical Electives, please go to: <a href="#">Upper Division Technical Electives</a></li> </ul>
GCU 364: Energy in the Global Arena (SB & G) OR PUP 190: Sustainable Cities ((HU or SB) & G) OR SOS 171: The Thread of Energy (SB & G) OR GPH 314: Global Change (HU & G) OR HST 302: Energy Transitions and Sustainability ((HU or SB) & G & H)	3		
Upper Division Technical Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

- For additional information about Upper Division Energy and Environment Technical Electives & Upper Division Technical Electives, please go to: [Upper Division Energy and Environment Technical Electives & Upper Division Technical Electives](#)

Hide Course List(s)/Track Group(s)

Upper Division Energy and Environment Technical Electives	Upper Division Technical Electives
BIO 320: Fundamentals of Ecology	AEE OR MAE OR MEE Upper Division Elective
CEE 361: Introduction to Environmental Engineering	AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)
CEE 440: Hydrology	AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)
CEE 494: Energy Efficient Buildings and Systems	BME 300: Bioengineering Product Design
CEE 494: Sustainable Energy and Material Use	BME 316: Biomechanics for Biomedical Engineers
CEE 494: Sustainable Energy Technologies	BME 318: Biomaterials
CHE 494: Biomass Energy Conversion Technology	BME 350: Signals and Systems for Bioengineers
CHE 494: Fuel Cells & Biofuel Cells	BME 494: Bioenergy and Microbial Biotechnology
CHM 302: Environmental Chemistry	CEE 361: Introduction to Environmental Engineering
EEE 360: Energy Systems and Power Electronics	CEE 372: Transportation Engineering
EEE 460: Nuclear Power Engineering	CEE 400: Earth Systems Engineering and Management ((L or HU) & H)
EEE 463: Electrical Power Plants	CEE 440: Hydrology
MAE 494: Energy Management	CEE 494: Energy Efficient Buildings and Systems , Sustainable Energy Technologies , Sustainable Energy and Material Use
MAE 494: Structural Materials in Nuclear Power Systems or MSE 494: Structural Materials in Nuclear Power Systems	CHE 494: Biomass Energy Conversion Technology , Fuel Cells & Biofuel Cells , Molecular Sensor Systems for Health &
MEE 434: Internal Combustion Engines	

MEE 440: Renewable Energy: Mechanical Systems	Environment , Nanobiotechnology , Polymer Principles & Processing , Six Sigma Methodology/Engineering Experimentation
MEE 441: Wind Energy	CHM 302: Environmental Chemistry
MSE 460: Nanomaterials in Energy Production and Storage	CHM 325: Analytical Chemistry
MSE 494: Electrochemical Energy Storage and Conversion	EEE 304: Signals and Systems II
By approval only:	EEE 333: Hardware Design Languages and Programmable Logic
MAE 484: Internship	EEE 334: Circuits II
MAE 492: Honors Directed Study	EEE 350: Random Signal Analysis
MAE 493: Honors Thesis (L)	EEE 360: Energy Systems and Power Electronics
MAE 498: Pro-Seminar or MAE 499: Individualized Instruction	EEE 407: Digital Signal Processing
*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.	EEE 460: Nuclear Power Engineering
	EEE 463: Electrical Power Plants
	EEE 480: Feedback Systems
	EEE 498: Science and Technology of Solar Cell Fabrication
	EGR 317: Humanitarian Engineering Project II
	EGR 433: Transforms and Systems Modeling
	EGR 455: Robotic Systems I
	EGR 456: Robotic Systems II
	EGR 494: Engineering in Semiconductors and Microelectronics
	FSE 301: Entrepreneurship and Value Creation
FSE 394: Engineering in Global Context	
GLG 418: Geophysics	
IEE 300: Economic Analysis for Engineers	
IEE 305: Information Systems Engineering (CS)	
IEE 376: Operations Research Deterministic Techniques/Applications	
IEE 431: Engineering Administration (L)	
IEE 437: Human Factors Engineering	
MAE 394: Aeronautics in England	
MAT 300: Mathematical Structures (L)	
MAT 310: Introduction to Geometry	
MAT 371: Advanced Calculus I	

MAT 420: Scientific Computing

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MAT 421: Applied Computational Methods  
(CS)

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MAT 423: Numerical Analysis I (CS)

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MAT 425: Numerical Analysis II (CS)

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MAT 451: Mathematical Modeling (CS)

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MAT 461: Applied Complex Analysis

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MSE 330: Thermodynamics of Materials

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MSE 355: Structure and Defects

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MSE 440: Mechanical Behavior of Materials

---

MSE 450: Introduction to Materials  
Characterization

---

MSE 460: Nanomaterials in Energy  
Production and Storage

---

MSE 476: Growth and Processing of  
Semiconductors

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MSE 494: Bioinspired Materials and  
Biomaterials , Electrochemical Energy Storage  
and Conversion , Failure Analysis of Metallic  
Materials , Manufacturing Processes for  
Structural Materials , Structural Materials in  
Nuclear Power Systems

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PHY 310: Classical Particles, Fields, and  
Matter I

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PHY 361: Introductory Modern Physics

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SES 311: Essentials of Astrobiology:  
Exploration for Life in the Universe

---

SES 350: Engineering Systems and  
Experimental Problem Solving

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SES 494: Modeling and Analysis of Space  
Thermal Systems

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By approval only:

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MAE 484: Internship

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MAE 492: Honors Directed Study

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MAE 493: Honors Thesis (L)

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MAE 498: Pro-Seminar or MAE 499:  
Individualized Instruction

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\*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your



advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Software Engineering, BS




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSSERBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU Mathematics Placement Assessment score determines placement into the first mathematics course</li> <li>• ASU 101 or college-specific equivalent First Year Seminar required of all freshman students</li> <li>• If ENG 105 is taken, a three (3) semester hour elective course must also be taken prior to graduation</li> <li>• Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) OR Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
EGR 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SER 232: Computer Systems Fundamentals I (CS)	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>• Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
CSE 240: Introduction to Programming Languages	3	C	
MAT 267: Calculus for Engineers III (MA) OR MAT 275: Modern Differential Equations (MA) OR CSE 259: Logic in Computer Science	3	C	
Lab Science Sequence AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Complete Mathematics (MA) requirement.			

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ SER 222: Design and Analysis of Data Structures and Algorithms	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research</b> experience</li> <li>• Apply for <b>internships</b></li> <li>• Attend <b>career fairs and events</b></li> </ul>
CSE 230: Computer Organization and Assembly Language Programming	3	C	
EGR 280: Engineering Statistics (CS)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
SER 216: Software Enterprise: Personal Process and Quality	3	C	

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SER 334: Operating Systems and Networks	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
MAT 343: Applied Linear Algebra	3	C	
SER 315: Software Enterprise: Design and Process	3	C	
SER 322: Principles of Database Management	3	C	
Lab Science Sequence AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		

Term hours subtotal: 16

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SER 321: Principles of Distributed Software Systems	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
SER 316: Software Enterprise: Construction and Transition	3	C	
SER 335: Engineering Secure Software Systems	3	C	
Technical Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		

Term hours subtotal: 15

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SER 401: Computing Capstone Project I	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or <b>practice interview</b>.</li> </ul>
SER 415: Software Enterprise: Inception and Elaboration (L)	3	C	
SER 4** Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Social-Behavioral Sciences (SB) ( HST 318 recommended)	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SER 402: Computing Capstone Project II	3	C	
SER 416: Software Enterprise: Project and Process Management	3	C	

Complete 2 courses: 6 C  
 SER 4\*\* Elective

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

Lab Science Sequence	Technical Elective
BIO 181: General Biology I (SQ) AND BIO 182: General Biology II (SG)	CSE Upper Division Elective
BIO 201: Human Anatomy and Physiology I (SG) AND BIO 202: Human Anatomy and Physiology II (SG)	IFT Upper Division Elective
CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ)	SER Upper Division Elective
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ) AND GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	
Note: Students who want to take PHY121/122 and PHY131/132 for their Lab Science Sequence will need to select a different lab science course (4 hours) from the list.	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map Software Engineering, BS




School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Online](#)



TSSERBS

Term 1 - A 0 - 6 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>If ENG 105 is taken, a three (3) semester hour elective course must also be taken prior to graduation</li> <li>ASU 101 is only required of new freshman students transferring in fewer than 24 hours to ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Term hours subtotal:	6		

Term 1 - B 6 - 12 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Prep for success using the <a href="#">Freshman Guide</a></li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - A 12 - 18 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>ASU Mathematics Placement Assessment score or transfer math courses determine placement into the first mathematics course at ASU</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
Term hours subtotal:	6		

Term 2 - B 18 - 24 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SER 232: Computer Systems Fundamentals I (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 24 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 243: Discrete Mathematical Structures	3	C	
CSE 230: Computer Organization and Assembly Language Programming	3	C	
Term hours subtotal:	6		

Term 3 - B 30 - 36 Credit Hours	Hours	Minimum Grade	Notes
CSE 240: Introduction to Programming Languages	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>

MAT 267: Calculus for Engineers III (MA) OR MAT 275: Modern Differential Equations (MA) 3 C

Complete Mathematics (MA) requirement.

Term hours subtotal: 6

- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 - A 36 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 SER 222: Design and Analysis of Data Structures and Algorithms	3	C	
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EGR 104: Critical Inquiry in Engineering (L)	3	C	
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Term hours subtotal: 6

Term 4 - B 42 - 48 Credit Hours	Hours	Minimum Grade	Notes
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EGR 280: Engineering Statistics (CS)	3	C	
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SER 216: Software Enterprise: Personal Process and Quality	3	C	
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Term hours subtotal: 6

- Pursue an **undergraduate research experience**.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 5 - A 48 - 54 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 SER 334: Operating Systems and Networks	3	C	
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SER 315: Software Enterprise: Design and Process	3	C	
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Term hours subtotal: 6


Term 5 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
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MAT 343: Applied Linear Algebra	3	C	
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SER 316: Software Enterprise: Construction and Transition	3	C	
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Term hours subtotal: 6

- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term 6 - A 60 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 SER 321: Principles of Distributed Software Systems	3	C	
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Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
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Term hours subtotal: 6

- During the junior year of the program, students should contact an academic advisor to identify course options.

Term 6 - B 66 - 73 Credit Hours	Hours	Minimum Grade	Notes
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PHY 121: University Physics I: Mechanics (SQ)	3	C	
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PHY 122: University Physics Laboratory I (SQ)	1	C	
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SER 335: Engineering Secure Software Systems	3	C	
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Term hours subtotal: 7

- In addition to PHY 121 and PHY 122, must complete 8 semester hours (2 courses) of lab science from the following: BIO 181, BIO 182, BIO 201, BIO 202, CHM 113, CHM 116, GLG 101/103, GLG 102/104, PHY 131/132.

- Research and prepare for **graduate school**.
- Apply for an **engineering 4+1 program**.
- Develop a **professional profile online**.

Term 7 - A 73 - 80 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ SER 322: Principles of Database Management	3	C
Lab Science Sequence AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4	
Term hours subtotal:	7	

- In addition to PHY 121 and PHY 122, must complete 8 semester hours (2 courses) of lab science from the following: BIO 181, BIO 182, BIO 201, BIO 202, CHM 113, CHM 116, GLG 101/103, GLG 102/104, PHY 131/132.

Term 7 - B 80 - 87 Credit Hours	Hours	Minimum Grade	Notes
SER 4** Elective	3	C	<ul style="list-style-type: none"> <li>• During the junior year of the program, students should contact an academic advisor to identify course options/selection.</li> <li>• In addition to PHY 121 and PHY 122, must complete 8 semester hours (2 courses) of lab science from the following: BIO 181, BIO 182, BIO 201, BIO 202, CHM 113, CHM 116, GLG 101/103, GLG 102/104, PHY 131/132.</li> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in-person or <a href="#">practice interview</a>.</li> </ul>
Lab Science Sequence AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SER 415: Software Enterprise: Inception and Elaboration (L)	3	C	
SER 4** Elective	3	C	
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
SER 416: Software Enterprise: Project and Process Management	3	C	<ul style="list-style-type: none"> <li>• During the junior year of the program, students should contact an academic advisor to identify course options/selection.</li> </ul>
SER 4** Elective	3	C	
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SER 401: Computing Capstone Project I	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 9 - B 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Technical Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) (HST 318 recommended)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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	Hours	Grade	Notes
★ SER 402: Computing Capstone Project II	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

Lab Science Sequence	Technical Elective
BIO 181: General Biology I (SQ) AND BIO 182: General Biology II (SG)	CSE Upper Division Elective
BIO 201: Human Anatomy and Physiology I (SG) AND BIO 202: Human Anatomy and Physiology II (SG)	IFT Upper Division Elective
CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ)	SER Upper Division Elective
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	
Note: Students who want to take PHY121/122 and PHY131/132 for their Lab Science Sequence will need to select a different lab science course (4 hours) from the list.	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Technological Entrepreneurship and Management, BS





School/College: W. P. Carey School of Business Ira A. Fulton Schools of Engineering

Location: Polytechnic campus

TSTEM2BS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 TMC 110: Understanding the Enterprise	3	C	
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
TEM 100: Seminar in Entrepreneurship	1	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 200: My Technology Venture	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 230: Creativity and Business Innovation	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> <li>Consult the <a href="#">Resume, Presentation, and Resource Library</a> for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.</li> </ul>
ACC 231: Uses of Accounting Information I	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete MAT 210 course(s).			
 Complete TEM 100 course(s).			
Term hours subtotal:	16		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	

ACC 241: Uses of Accounting Information II	3	C
TEM 250: Design Methodology	3	C
Technical Elective	3	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Term hours subtotal:	15	

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

Term 5 61 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership	3	C
FIN 300: Fundamentals of Finance	3	C
FSE 301: Entrepreneurship and Value Creation	3	C
TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance	3	C
WPC 301: Business Forum	1	C
Upper Division Technical Elective	3	
Term hours subtotal:	16	

- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TMC 320: Funding the Enterprise	3	C
SCM 300: Global Supply Operations	3	C
TEM 431: Innovation Management OR TEM 330: Systems Innovation	3	C
TMC 410: Enterprise Operations	3	C
Literacy and Critical Inquiry (L)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Research and prepare for graduate school.
- Develop a professional profile online.

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TEM 400: Technology Entrepreneurship	3	C
AGB 302: International Management and Agribusiness (G) OR ECN 306: Survey of International Economics (SB & G) OR MGT 302: Principles of International Business (G) OR MKT 425: Global Marketing Management (G) OR OMT 440: Introduction to International Business (G) OR SCM 463: Global Supply Chain Management (G)	3	C
TMC 430: Enterprise Strategy and Innovation	3	C
Upper Division Technical Elective	3	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	15	

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in-person or practice interview.

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop	3	C
LES 305: Business Law and Ethics for Managers	3	C
MGT 430: Negotiations	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Elective	1	
Term hours subtotal:	13	

- Students in this program select technical electives consisting of 9 hours of courses (minimum 6 of upper division). Recommended technical elective prefixes are listed below. Additional courses may be available. Please check with your academic advisor.

Hide Course List(s)/Track Group(s)

Technical Electives
AME Elective
AMT Elective
BIO Elective
BME Elective
BMI Elective
CAP Elective
CIS Elective
CSE Elective
EEE Elective
EGR Elective
FSE Elective
GIT Elective
HSE Elective
IEE Elective
IFT Elective
MFG Elective
OMT Elective
PSY Elective
SER Elective
TEM Elective
TMC Elective
TWC Elective

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Technological Entrepreneurship and Management, BS

School/College: [W. P. Carey School of Business](#) [Ira A. Fulton Schools of Engineering](#)

Location: [Online](#)

TSTEM2BS

Term 1 - A 0 - 5 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all freshman students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU Mathematics Placement Assessment score determines placement in Mathematics course</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
TEM 100: Seminar in Entrepreneurship	1	C	
Term hours subtotal:	5		
Term 1 - B 5 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TMC 110: Understanding the Enterprise	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Term hours subtotal:	9		
Term 2 - A 14 - 23 Credit Hours	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Sun Devil CareerLink</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
Term hours subtotal:	9		
Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 200: My Technology Venture	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 30 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 230: Creativity and Business Innovation	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
ACC 231: Uses of Accounting Information I	3	C	

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 9

- Consult the **Resume, Presentation, and Resource Library** for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 3 - B 39 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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ECN 212: Microeconomic Principles (SB)	3	C	
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
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 Complete MAT 210 course(s).			
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 Complete TEM 100 course(s).			
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Term hours subtotal: 7

Term 4 - A 46 - 55 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 ECN 221: Business Statistics (CS)	3	C	
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TEM 250: Design Methodology	3	C	
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Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
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Term hours subtotal: 9


- Pursue an **undergraduate research** experience.
- Apply for internships.
- Attend **career fairs** and events.

Term 4 - B 55 - 61 Credit Hours	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II	3	C	
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Technical Elective	3		
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Term hours subtotal: 6

Term 5 - A 61 - 70 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance	3	C	
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FIN 300: Fundamentals of Finance	3	C	
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FSE 301: Entrepreneurship and Value Creation	3	C	
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Term hours subtotal: 9

- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term 5 - B 70 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership	3	C	
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WPC 301: Business Forum	1	C	
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Upper Division Technical Elective	3		
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Term hours subtotal: 7

Term 6 - A 77 - 83 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TMC 320: Funding the Enterprise	3	C	
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Literacy and Critical Inquiry (L)	3		
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Term hours subtotal: 6

- Research and prepare for **graduate school**
- Develop a **professional profile** online.

Term 6 - B 83 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TEM 431: Innovation Management OR TEM 330: Systems Innovation	3	C	
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SCM 300: Global Supply Operations	3	C
TMC 410: Enterprise Operations	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	9	

Term 7 - A 92 - 101 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 400: Technology Entrepreneurship	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in-person or <a href="#">practice interview</a>.</li> </ul>
TMC 430: Enterprise Strategy and Innovation	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	9		

Term 7 - B 101 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OMT 440: Introduction to International Business (G) OR ECN 306: Survey of International Economics (SB & G) OR MGT 302: Principles of International Business (G) OR MKT 425: Global Marketing Management (G) OR SCM 463: Global Supply Chain Management (G)	3	C	
Upper Division Technical Elective	3		
Term hours subtotal:	6		

Term 8 - A 107 - 113 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop	3	C	
MGT 430: Negotiations	3	C	
Term hours subtotal:	6		

Term 8 - B 113 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Literacy and Critical Inquiry (L) Elective	3		
Term hours subtotal:	7		

- Students in this program select technical electives consisting of 9 hours of courses (minimum 6 of upper division). Recommended technical elective prefixes are listed below. Additional courses may be available. Please check with your academic advisor.

Hide Course List(s)/Track Group(s)

Technical Electives
AME Elective
AMT Elective
BIO Elective
BME Elective
BMI Elective

CAP Elective

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CIS Elective

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CSE Elective

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EEE Elective

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EGR Elective

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GIT Elective

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HSE Elective

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IEE Elective

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IFT Elective

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MFG Elective

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OMT Elective

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PSY Elective

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SER Elective

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TEM Elective

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TMC Elective

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TWC Elective

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map Innovation in Society, BA



School/College: School for the Future of Innovation in Society

Location: Tempe campus

FIFISBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FIS 101: SFIS: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement.</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 FIS 111: Welcome to the Future	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FIS 201: Innovation in Society (H)	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or	4	C	

equivalent), including American Sign Language IV;  
 \* Completion of upper division course(s) taught in a foreign language,  
 taken in the United States or the relevant country.

Complete 2 courses: 5  
 Elective

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ FIS 305: Ways of Knowing (L)	3	C	<ul style="list-style-type: none"> <li>• Use handshake to research <b>employment opportunities</b></li> <li>• Explore an <b>internship</b></li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.	4	C	
Elective	3		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIS 307: Navigating Futures (SB)	3	C	<ul style="list-style-type: none"> <li>• Reflect on the skills you have and the <b>skills</b> you think you need.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIS 308: Politics, Markets and Innovation (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
Upper Division Core FIS Elective	3		
Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR FIS 484: Internship	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Core FIS Elective	3		<ul style="list-style-type: none"> <li>• Gather <b>professional references</b></li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
Upper Division Related Area Elective	3		
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			

Upper Division Elective 6

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIS 480: Innovation in Society Studio	3	C	
Upper Division Related Area Elective	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Core FIS Electives	Upper Division Related Area Electives
FIS 331: Technology and the Modern World	ASB 452: Community Partnerships for Global Health (SB)
FIS 332: Risk and the Future (L)	BIO 311: Biology and Society
FIS 334: Science, Technology and Inequality (C)	BIO 312: Bioethics (HU)
FIS 335: Designing Knowledge (SB)	BIO 320: Fundamentals of Ecology
FIS 336: Science and Technology Policy	BIO 324: Environmental Ethics (HU)
FIS 337: Innovation and Global Development (G)	CEE 300: Engineering Business Practice (L)
FIS 403: Governing Emerging Technologies (SB)	COM 312: Communication, Conflict, and Negotiation
	COM 314: Inner-City Families: The Cycle of Poverty
	COM 421: Rhetoric of Social Issues (HU)
	COM 426: Political Communication (SB)
	ECN 355: Economics of Healthcare
	ECN 445: Environmental Economics
	FIS 431: Technology, Security and Insecurity in Global Politics
	GPH 314: Global Change (HU & G)
	HPS 314: Philosophy of Science (HU)
	HPS 322: History of Science (HU & H)
	HPS 340: Biology and Society
	HST 318: History of Engineering ((L or SB) & G)
	HST 345: Environmental History (L)
	IDS 301: Becoming Interdisciplinary
	JUS 303: Justice Theory (L)

JUS 325: Globalization and Socio-Economic Justice (SB & G)

JUS 445: Surveillance and Society

JUS 456: Human Rights and Sustainability ((L or SB) & G)

PAF 300: Public Management and Administration

PAF 311: Leadership and Change (SB)

SOS 315: Energy Policy

SOS 320: Society and Sustainability (L or SB)

SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and Sustainability

SOS 327: Sustainable Food and Farms

SOS 328: Sustainability and Enterprise

TCL 447: Gender, Culture, and Development ((L or SB) & G)

WST 440: Politics of Women's Health (SB & C)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map Innovation in Society, BS





School/College: School for the Future of Innovation in Society



Location: Tempe campus

FIFISBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FIS 101: SFIS: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 FIS 111: Welcome to the Future	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FIS 201: Innovation in Society (H)	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
Complete 2 courses: Technical Elective	6		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FIS 305: Ways of Knowing (L)	3	C	<ul style="list-style-type: none"> <li>• Use handshake to research <b>employment opportunities</b></li> <li>• Explore an <b>internship</b></li> </ul>

STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR SBS 304: Social Statistics I (CS) OR SOC 390: Social Statistics I (CS)	3
Technical Elective	3
Complete 2 courses: Elective	6
Term hours subtotal:	15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIS 307: Navigating Futures (SB)	3	C	<ul style="list-style-type: none"> <li>Reflect on the skills you have and the skills you think you need</li> </ul>
Upper Division Core FIS Elective	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIS 308: Politics, Markets and Innovation (SB)	3	C	<ul style="list-style-type: none"> <li>Develop your professional online presence</li> </ul>
Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR FIS 484: Internship	3		
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Core FIS Elective	3		<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Complete an in person or virtual practice interview</li> </ul>
Upper Division Related Area Elective	3		
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIS 480: Innovation in Society Studio	3	C	
Upper Division Related Area Elective	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Core FIS Electives	Technical Elective	Upper Division Related Area Electives
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FIS 331: Technology and the Modern World	AEE OR AET OR AML OR ASM OR AST OR BIO OR BCH OR BME OR CEE OR CHE OR CNE OR EEE OR EET OR EGR	ASB 452: Community Partnerships for Global Health (SB)
FIS 332: Risk and the Future (L)	OR FSE OR GLG OR GPH OR IEE OR LSE OR MAE OR MAT OR MBB OR MEE OR MET OR MFG OR MIC OR MSE OR PHS OR PHY OR PLB OR STP Elective	BIO 311: Biology and Society
FIS 334: Science, Technology and Inequality (C)		BIO 312: Bioethics (HU)
FIS 335: Designing Knowledge (SB)		BIO 320: Fundamentals of Ecology
FIS 336: Science and Technology Policy		BIO 324: Environmental Ethics (HU)
FIS 337: Innovation and Global Development (G)		CEE 300: Engineering Business Practice (L)
FIS 403: Governing Emerging Technologies (SB)		COM 312: Communication, Conflict, and Negotiation
		COM 314: Inner-City Families: The Cycle of Poverty
		COM 421: Rhetoric of Social Issues (HU)
		COM 426: Political Communication (SB)
		ECN 355: Economics of Healthcare
		ECN 445: Environmental Economics
		FIS 431: Technology, Security and Insecurity in Global Politics
		GPH 314: Global Change (HU & G)
		HPS 314: Philosophy of Science (HU)
		HPS 322: History of Science (HU & H)
		HPS 340: Biology and Society
		HST 318: History of Engineering ((L or SB) & G)
		HST 345: Environmental History (L)
		IDS 301: Becoming Interdisciplinary
		JUS 303: Justice Theory (L)
		JUS 325: Globalization and Socio-Economic Justice (SB & G)
		JUS 445: Surveillance and Society
		JUS 456: Human Rights and Sustainability ((L or SB) & G)
		PAF 300: Public Management and Administration
		PAF 311: Leadership and Change (SB)
		SOS 315: Energy Policy
		SOS 320: Society and Sustainability (L or SB)
		SOS 321: Policy and Governance in Sustainable Systems
		SOS 322: International Development and Sustainability

SOS 327: Sustainable Food and Farms

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SOS 328: Sustainability and Enterprise

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TCL 447: Gender, Culture, and Development  
(L or SB) & G

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WST 440: Politics of Women's Health (SB &  
C)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Global Management - Internatl Business & Culture, BGM





School/College: Thunderbird School of Global Management



Location: West campus

TBTGMBGM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 101: Principles of Global Management (G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Create your <b>LinkedIn Profile</b>.</li> <li>• Create your <b>Handshake profile</b>.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 117: College Algebra (MA)	3	C	
TGM 191: First-Year Seminar	1		
Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 204: Principles of Marketing for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• Minimum 2.00 ASU cumulative GPA is required for COM 263 in term 3.</li> <li>• Build your professional connections-- join the <b>ASU Mentor Network</b></li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 263: Elements of Intercultural Communication (SB & C & G)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
COM 225: Public Speaking (L)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	
TGM 200: Principles of Accounting for Global Organizations	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STP 226: Elements of Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Minimum 2.50 ASU cumulative GPA is required to register for LES 305 in term 5.</li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
Humanities, Arts and Design (HU)	3		

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Elective	3
Term hours subtotal:	16

- Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major.

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 406: Moral Dilemmas (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Work with your academic advisor to start planning your required <b>internship experience</b> in Term 7.</li> <li>• Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major.</li> </ul>
★ TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
ENG 301: Writing for the Professions (L)	3		
TGM 312: Big Data in the Global Economy	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 353: Regional Management Environment (G)	3	C	<ul style="list-style-type: none"> <li>• Work with your academic advisor to start planning your required <b>internship experience</b> in Term 7.</li> <li>• Research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
TGM 300: Principles of Finance for Global Organizations	3	C	
Complete 3 courses: Elective	9		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 484: Internship	3-6	C	<ul style="list-style-type: none"> <li>• An internship experience is required.</li> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ TGM 489: Multinational Organizational Leadership	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12-15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 498: Pro-Seminar (L)	3	C	
Complete 3 courses: Upper Division Elective	9		
Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Global Management - Intl Business, Lang & Culture, BGM

School/College: [Thunderbird School of Global Management](#)

Location: [West campus](#)

TBTGMBGM

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 101: Principles of Global Management (G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in Mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Chinese or Spanish); elective credits may require adjustment. See advisor.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Create your <a href="#">LinkedIn profile</a>.</li> <li>• Create your <a href="#">Handshake profile</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA)	3	C	
TGM 191: First-Year Seminar	1		
Foreign Language I	4-5	C	
Term hours subtotal:	14-15		
<b>Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 TGM 204: Principles of Marketing for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Chinese or Spanish); elective credits may require adjustment. See advisor.</li> <li>• Network in your <a href="#">career interest communities</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Foreign Language II	4-5	C	
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		
<b>Term 3 29 - 46 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 TGM 200: Principles of Accounting for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Chinese or Spanish); elective credits may require adjustment. See advisor.</li> <li>• Develop your <a href="#">skills</a>.</li> </ul>
COM 225: Public Speaking (L)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	
Foreign Language III	4-5	C	
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	17-18		
<b>Term 4 46 - 63 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>

♦ STP 226: Elements of Statistics (CS)	3	C
ECN 212: Microeconomic Principles (SB)	3	C
Foreign Language IV	4-5	C
Humanities, Arts and Design (HU)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	17-18	

- Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Chinese or Spanish); elective credits may require adjustment. See advisor.
- Minimum 2.50 ASU cumulative GPA is required to register for LES 305 in term 5.
- Minimum 2.00 ASU cumulative GPA is required to register for COM 263 in term 5.
- Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to discuss the best study abroad option for your major. Make sure to get your credits approved through your academic advisor prior to departure.

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 263: Elements of Intercultural Communication (SB & C & G)	3	C	<ul style="list-style-type: none"> <li>• Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to discuss the best study abroad option for your major. Make sure to get your credits approved through your academic advisor prior to departure.</li> <li>• Work with your academic advisor to start planning your required <b>internship experience</b> in Term 7.</li> </ul>
LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 406: Moral Dilemmas (L or HU)	3	C	
★ TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
TGM 312: Big Data in the Global Economy	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 353: Regional Management Environment (G)	3	C	<ul style="list-style-type: none"> <li>• Work with your academic advisor to start planning your required <b>internship experience</b> in Term 7.</li> <li>• Research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
TGM 300: Principles of Finance for Global Organizations	3	C	
Historical Awareness (H)	3		
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 484: Internship	3-6	C	<ul style="list-style-type: none"> <li>• An internship experience is required.</li> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ TGM 489: Multinational Organizational Leadership	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	12-15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 498: Pro-Seminar (L)	3	C	
Complete 4 courses: Upper Division Elective	12		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Foreign Language I	Foreign Language II	Foreign Language III
MND 101: First-Year Chinese I	MND 102: First-Year Chinese II	MND 201: Second-Year Chinese I
SPA 101: Elementary Spanish I	SPA 102: Elementary Spanish II	SPA 201: Intermediate Spanish (G)
Foreign Language IV		
MND 202: Second-Year Chinese II		
SPA 202: Intermediate Spanish (G)		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map

### Global Management - Internatl Business & Culture, BGM

School/College: [Thunderbird School of Global Management](#)

Location: [Online](#)

TBTGMBGM

Term 1 - A 0 - 10 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 101: Principles of Global Management (G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Create your <a href="#">Linkedin profile</a></li> <li>• Create your <a href="#">Handshake profile</a></li> </ul>
ASU 101-UC: The ASU Experience	1		
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	10		
Term 1 - B 10 - 16 Credit Hours	Hours	Minimum Grade	Notes
MAT 117: College Algebra (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Join a <a href="#">student club</a></li> <li>• Secure a <a href="#">part-time job</a></li> </ul>
Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 2 - A 16 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 204: Principles of Marketing for Global Organizations	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 22 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• Minimum 2.00 ASU cumulative GPA is required for COM 263 in Term 3B</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	9		
Term 3 - A 31 - 40 Credit Hours	Hours	Minimum Grade	Notes
COM 225: Public Speaking (L)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	
TGM 200: Principles of Accounting for Global Organizations	3	C	
Term hours subtotal:	9		
Term 3 - B 40 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

COM 263: Elements of Intercultural Communication (SB & C & G)	3	C	• Develop your skills
Natural Science - Quantitative (SQ)	4		
♦ Complete First-Year Composition requirement.			
♦ Complete Mathematics (MA) requirement.			
Term hours subtotal:		7	

Term 4 - A 47 - 53 Credit Hours <b>Critical course signified by</b> ♦	Hours	Minimum Grade	Notes
♦ STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:		6	

Term 4 - B 53 - 63 Credit Hours	Hours	Minimum Grade	Notes
ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Minimum 2.50 ASU cumulative GPA is required to register for LES 305 in Term 5A.</li> <li>• Term 5 or Term 6 are preferred for study abroad. Meet with your advisor to plan for the best study abroad options for your major.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:		10	

Term 5 - A 63 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU)	3	C	
ENG 301: Writing for the Professions (L)	3		
TGM 312: Big Data in the Global Economy	3	C	
Term hours subtotal:		9	

Term 5 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TGM 468: States and Markets in a Global Economy (SB & G)	3	C	• Work with your academic advisor to start planning for your required international internship
Upper Division Elective	3		
Term hours subtotal:		6	

Term 6 - A 78 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TGM 353: Regional Management Environment (G)	3	C	
TGM 300: Principles of Finance for Global Organizations	3	C	
Upper Division Elective	3		
Term hours subtotal:		9	

Term 6 - B 87 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses: Elective	6		<ul style="list-style-type: none"> <li>• Work with your academic advisor to start planning for your required international internship</li> <li>• Research employment opportunities</li> <li>• Complete an in person or virtual practice interview</li> </ul>
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		6	

Term 7 - A 93 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ TGM 484: Internship	3-6	C	<ul style="list-style-type: none"> <li>An international internship experience is required.</li> </ul>
Elective	3		
Term hours subtotal:	6-9		

Term 7 - B 99 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 489: Multinational Organizational Leadership	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Apply for full-time career opportunities</li> </ul>
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	9		

Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 498: Pro-Seminar (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### International Trade, BS





School/College: Thunderbird School of Global Management



Location: West campus

TBINTRABS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 101: Principles of Global Management (G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Create your <b>LinkedIn profile</b>.</li> <li>• Create your <b>Handshake profile</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA)	3	C	
SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities (HU or SB) & G)	3	C	
TGM 191: First-Year Seminar	1		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 204: Principles of Marketing for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• Network in your career interest area.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or a <b>volunteer experience</b>.</li> </ul>
COM 225: Public Speaking (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 200: Principles of Accounting for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• To register for COM 263, a minimum 2.00 GPA is required.</li> <li>• Develop your <b>skills</b>.</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STP 226: Elements of Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• To register for LES 305, a minimum 2.50 GPA is required.</li> </ul>
COM 263: Elements of Intercultural Communication (SB & C & G)	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	

Humanities, Arts and Design (HU)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Term hours subtotal:	16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 406: Moral Dilemmas (L or HU)	3	C	<ul style="list-style-type: none"> <li>Work with your academic advisor to start planning your required internship experience.</li> </ul>
★ TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
ECN 306: Survey of International Economics (SB & G)	3	C	
TGM 310: Supply Chain Operations for Global Organizations	3	C	
TGM 312: Big Data in the Global Economy	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 353: Regional Management Environment (G)	3	C	<ul style="list-style-type: none"> <li>Internship experience (minimum of 3 credit hours) suggested during summer term.</li> <li>Research employment opportunities.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
TGM 300: Principles of Finance for Global Organizations	3	C	
TGM 430: International Trade and Regional Economic Agreements	3	C	
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 484: Internship	3-6	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> </ul>
★ TGM 489: Multinational Organizational Leadership	3	C	
TGM 460: Global Risk Assessment and Management	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15-18		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 498: Pro-Seminar (L)	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum

**General University Requirements Legend**  
 General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Business (Global Logistics Management), BA

School/College: W. P. Carey School of Business

Location:

BABUSGLBA





and





International





Trade, BS

Thunderbird School of Global Management

TBINTRABS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Create your <b>LinkedIn profile</b>.</li> <li>• Create your <b>Handshake profile</b>.</li> </ul>
 MAT 210: Brief Calculus (MA)	3	C	
 TGM 101: Principles of Global Management (G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TGM 191: First-Year Seminar OR WPC 101: Student Success in Business	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 2 16 - 32.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or a <b>volunteer experience</b>.</li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
 MAT 211: Mathematics for Business Analysis	3	C	
COM 225: Public Speaking (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC Career Preparation Course	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16.25		

Term 3 32.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• To register for COM 263, a minimum 2.00 GPA is required.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 ECN 221: Business Statistics (CS)	3	C	
TGM 204: Principles of Marketing for Global Organizations OR MKT 300: Marketing and Business Performance	3	C	
WPC Career Preparation Course	0.25	C	

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

❖ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15.25

Term 4 47.50 - 60.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Be sure to take upcoming SCM courses in the term indicated, due to limited section availability on West campus.</li> <li>• To register for LES 305, a minimum 2.50 GPA is required.</li> </ul>
COM 263: Elements of Intercultural Communication (SB & C & G)	3	C	
ECN 306: Survey of International Economics (SB & G)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	13		

Term 5 60.50 - 75.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 300: Global Supply Operations OR TGM 310: Supply Chain Operations for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• Work with your advisor to start planning your required <b>internship experience</b>.</li> </ul>
★ TGM 312: Big Data in the Global Economy	3	C	
★ TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC Career Preparation Course	0.25	C	
Term hours subtotal:	15.25		

Term 6 75.75 - 90.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance OR TGM 300: Principles of Finance for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• TGM 484: Internship (minimum of 3 credit hours) suggested during summer term or Term 7. Work with your advisor to start planning your required <b>internship experience</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ SCM 354: Procurement of Services	3	C	
★ TGM 353: Regional Management Environment (G)	3	C	
★ TGM 430: International Trade and Regional Economic Agreements	3	C	
MGT 300: Organization and Management Leadership	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90.75 - 105.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 314: Analytics for Logistics	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ SCM 344: Applied Logistics Management	3	C	
★ SCM 385: Business and Sustainability I	3	C	
★ TGM 484: Internship	3	C	
★ TGM 489: Multinational Organizational Leadership	3	C	
Term hours subtotal:	15		

Term 8 105.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SCM 445: Advanced Logistics Management	3	C
★ TGM 460: Global Risk Assessment and Management	3	C
★ TGM 498: Pro-Seminar (L)	3	C
MGT 411: Leading Organizations	3	C
WPC Career Preparation Course	0.25	C
Elective	2	
Term hours subtotal:		14.25

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)	WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)
WPC 148: Freshman Career Preparation	WPC 347: Intermediate Career Preparation
WPC 248: Sophomore Career Preparation	WPC 348: Junior Career Preparation
WPC 348: Junior Career Preparation	WPC 448: Intensive Career Preparation or WPC 449: Campus to Career
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career	

**Total Hours:** 120.00  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Food Service Management), BAS

School/College: College of Health Solutions

Location: Downtown Phoenix campus

ECNTRBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 100: Introductory Nutrition OR NTR 241: Human Nutrition	3	C	
Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended)	3		
Complete 3 courses:	9		
Any needed lower division General Studies requirement OR Elective			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Develop your professional online presence</li> </ul>
Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 343: Food Service Purchasing	3	C	
NTR 300: Computer Applications in Nutrition	3	C	
NTR 348: Cultural Aspects of Food (SB & C & G)	3	C	
NTR 351: Nutrition Communication (L)	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		
Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 445: Management of Food Service Systems	3	C	
ACC 382: Accounting and Financial Analysis	3	C	
MGT 380: Management and Strategy for Nonmajors	3	C	
MKT 390: Essentials of Marketing OR MKT 391: Essentials of Selling	3	C	
NTR Upper Division Elective	3	C	
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Gather professional references</li> </ul>
Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes



★ NTR 401: Preprofessional Preparation in Nutrition	3	C
NTR 344: Nutrition Management and Leadership (L)	3	C
NTR 345: Development of Healthy Cuisines	3	C
NTR 450: Nutrition in the Life Cycle (SB)	3	C
NTR 455: Retail Food Service Operations	3	C
Term hours subtotal:	15	

- Apply for full-time career opportunities

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Health Sciences), BAS

School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#), [West campus](#), [ASU@Yavapai](#)  
 NUHSCBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 302: Fundamentals of Wellness (L)	3	C	
HCD 310: Health Communication	3	C	
HCD 330: Health Care Systems in the U.S.	3	C	
HCD 340: Complementary Health Care	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Develop your <a href="#">professional online presence</a></li> </ul>

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 303: Global Health Care Systems (G)	3	C	
★ HCD 320: Applied Medical/Health Care Ethics (HU)	3	C	
HCD 412: Health Issues in Later Life	3	C	
HCD 432: Legal Issues in Health Care	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a></li> </ul>
HCD 410: Supporting the Health of Older Adults	3	C	
HSC 340: Changing Health Behaviors	3	C	
IBC 420: Population Health Management	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

		Minimum	
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Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ HCD 400: Interpreting the Scientific Literature	3	C	• Apply for full-time career opportunities
HCD 401: Leadership and Professionalism	3	C	
MED 300: Historical and Contemporary Issues in Health (L)	3	C	
MED 417: Impact of Violence on Health	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Applied Science (Health Sciences), BAS

School/College: [College of Health Solutions](#)

Location: [Online](#)

NUHSCBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>Students may meet lower division general studies requirements with the AAS degree.</li> <li>Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree.</li> <li>Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 302: Fundamentals of Wellness (L)	3	C	
Any needed lower division General Studies requirement OR Elective	3		<ul style="list-style-type: none"> <li>Develop your <a href="#">professional online presence</a></li> </ul>
Term hours subtotal:	6		
Term 5 - B 66 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 310: Health Communication	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	6		
Term 6 - A 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 320: Applied Medical/Health Care Ethics (HU)	3	C	
HCD 303: Global Health Care Systems (G)	3	C	
Term hours subtotal:	6		
Term 6 - B 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCD 412: Health Issues in Later Life	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
Term 7 - A 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 330: Health Care Systems in the U.S.	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a></li> </ul>
HCD 340: Complementary Health Care	3	C	
Term hours subtotal:	6		

Term 7 - B 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
HCD 410: Supporting the Health of Older Adults	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	6		

Term 8 - A 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 340: Changing Health Behaviors	3	C	
★ MED 300: Historical and Contemporary Issues in Health (L)	3	C	
Term hours subtotal:	6		

Term 8 - B 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C	
HCD 400: Interpreting the Scientific Literature	3	C	
Term hours subtotal:	6		

Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 401: Leadership and Professionalism	3	C	• Apply for full-time career opportunities
IBC 420: Population Health Management	3	C	
Term hours subtotal:	6		

Term 9 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
HCD 432: Legal Issues in Health Care	3	C	
MED 417: Impact of Violence on Health	3	C	
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Medical Laboratory Science), BAS

School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#)

NUMLSBAS

Applicable Community College Prerequisites 0 - 90 Credit Hours	Hours	Minimum Grade	Notes
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AAS Transfer Degree Block

90

Term hours subtotal: 90

- Students may meet lower division general studies requirements with the AAS degree.
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 5 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Upper Division Computer/Statistics/Quantitative Applications (CS)

3

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)

3

Upper Division Literacy and Critical Inquiry (L)

3

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 9

- Develop your **professional online presence**

Term 6 99 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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MDL 410: Laboratory Leadership

1

C

MDL 420: Advanced Clinical Urinalysis and Body Fluids

2

C

MDL 430: Advanced Hematology and Hemostasis

3

C

MDL 440: Advanced Immunohematology and Immunology

3

C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 9

Summer 6 108 - 112 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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MDL 421: Advanced Practicum in Clinical Urinalysis and Body Fluids

1

C

MDL 431: Advanced Practicum in Hematology and Hemostasis

1

C

MDL 441: Advanced Practicum in Immunohematology and Immunology

2

C

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 4

Term 7 112 - 118 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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MDL 450: Advanced Clinical Microbiology	3	C	• Gather professional references
MDL 460: Advanced Clinical Chemistry	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		6	

Term 8 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MDL 451: Advanced Practicum: Clinical Microbiology	1	C	• Apply for full-time career opportunities
MDL 461: Advanced Practicum: Clinical Chemistry	1	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		2	

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Biomedical Informatics, BS





School/College: College of Health Solutions



Location: Tempe campus

ESBMIBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3</b>.</li> <li>Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300 instead.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Elective OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA)	3-4	C	
Term hours subtotal:	14-15		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> <li>Create a first draft <b>resume</b></li> </ul>
 CSE 110: Principles of Programming with Java (CS)	3	C	
 MAT 251: Calculus for Life Sciences (MA)	3	C	
BMI 201: Introduction to Clinical Informatics	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
 MAT 243: Discrete Mathematical Structures	3	C	
BMI 102: Introduction to Public Health Informatics	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BMI 221: Knowledge Representation for Biomedical Informatics	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b></li> </ul>

❖ CSE 240: Introduction to Programming Languages	3	C
BMI 211: Modeling Biomedical Decisions	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Elective	3	
❖ Complete BMI 102 AND BMI 201 course(s).		
Term hours subtotal:	15	

Term 5 61 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>• Update your <a href="#">resume</a></li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a></li> </ul>
BMI 311: Modeling Biomedical Knowledge	3	C	
BMI 332: Team Dynamics for Healthcare IT Projects	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BMI 312: Modeling Biomedical Data	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> </ul>
BMI 330: Topics in Translational Bioinformatics	3	C	
BMI 410: Database Management in Health Care	3	C	
CSE 360: Introduction to Software Engineering	3	C	
Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BMI 404: Clinical Environments	3	C	<ul style="list-style-type: none"> <li>• For the 2019-20 catalog year, BMI 484 fills the college's translational experiential learning requirement.</li> </ul>
★ BMI 461: Advanced Topics in Biomedical Informatics I	3	C	
BMI 482: Capstone I (L) OR BMI 492: Honors Directed Study	3	C	
BMI 484: Internship	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BMI 483: Capstone II (L) OR BMI 493: Honors Thesis (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	4		
Term hours subtotal:	13		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Exercise and Wellness, BS





School/College: College of Health Solutions

Location: Downtown Phoenix campus

ECEXERBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Students interested in pursuing graduate school should take a higher level math in term 1 (or later as an elective for those placing into MAT 117 in term 1).</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 101: Foundations in Exercise Science and Wellness	3	C	
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students who plan to pursue a physical therapy graduate program should take CHM 113 rather than CHM 101 as long as they meet the MAT 170 prerequisite.</li> <li>• Look into the 4+1 options in the major.</li> <li>• Students who enter as freshmen must enroll in CHS 100; students who enter with more than 45 hours may enroll in CHS 300 instead.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 215: Resistance Training and Recovery Instructional Laboratory OR EXW 217: Fitness and Flexibility Instructional Laboratory	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete EXW 101 course.			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ)	4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experiences</b>.</li> <li>• Become a student member of a professional organization.</li> <li>• Students who plan to apply to a graduate program should take BIO 201 rather than BIO 160 in term 3.</li> </ul>
EXW 215: Resistance Training and Recovery Instructional Laboratory OR EXW 217: Fitness and Flexibility Instructional Laboratory	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete EXW 215 AND EXW 217 course(s).			
 Complete First-Year Composition requirement.			

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR HCD 300: Biostatistics (CS)	3	C	• Students who plan to apply to graduate school should take BIO 202 instead of a 4-credit elective in term 4.
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 315: Physiological Foundations of Movement AND EXW 316: Physiological Foundations of Movement Laboratory	4	C	• Develop your professional online presence.
★ EXW 330: Kinesiological Foundations of Movement	4	C	
EXW 344: Physical Activity in Health and Disease	3	C	
Upper Division Specialty Focus Area	3	C	
Term hours subtotal:	14		

Term 6 77 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 342: Health Behavior Change	3	C	• Gather professional references. • If the course chosen to fulfill an Upper Division Specialty Focus Area also meets a college competency, then the student will need an additional 3 credit elective.
★ EXW 420: Exercise Testing	4	C	
Complete 2 courses: Upper Division Specialty Focus Area	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Specialty Focus Area	6	C	• Explore an internship • Thinking about graduate school? Consider registering for a grad school test prep course.
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 484: Internship	3	C	• Apply for full-time career opportunities • The internship fills the college's translational research requirement for the 2019-20 catalog year only.
Upper Division Specialty Focus Area	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	12		

- Students will select their specialty focus courses with the advice of the academic advisor. Students interested in taking NTR 457 Sports Nutrition as one of their specialty focus courses need to take NTR 241 as their elective in term 4.

Hide Course List(s)/Track Group(s)

Specialty Focus Area
EXW 302: Fundamentals of Wellness (L)
EXW 320: Management and Leadership in Exercise and Wellness
EXW 350: Substance Abuse and Addictive Behavior
EXW 380: Body Image and Wellness
EXW 400: Stress Management for Wellness
EXW 410: Obesity Perspectives and Prescriptions
EXW 425: Exercise Prescription
EXW 434: Sports Movement and Conditioning
EXW 442: Motivational Interviewing
EXW 446: Worksite Wellness
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)
EXW 460: Resistance Training Application and Theory
EXW 484: Internship
EXW 494: Plyometrics and Power Transfer Exercise
KIN 442: Fuel Metabolism
KIN 447: ECG Interpretation
NTR 457: Sports Nutrition
PRM 453: Inclusive and Adaptive Sports and Recreation

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Health Education and Health Promotion, BS

School/College: College of Health Solutions

Location: Downtown Phoenix campus, ASU@Lake Havasu  
NHHEHPBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Students who plan to apply to a graduate program after graduation may wish to take a higher level math than that required for this degree. If the student decides to do so but tests into MAT 117 in term 1, an elective later in the program may be used to take a higher level math.</li> <li>• Students who enter the major as freshmen must complete CHS 100; students who enter the major with at least 45 hours should complete CHS 300.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 100: Introduction to Health and Wellness (SB)	3	C	
MAT course (MA)	3	C	
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
CHM 107: Chemistry and Society (SQ) AND CHM 108: Chemistry and Society Laboratory (SQ) OR CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 102: Principles and Foundations of Health Education and Health Promotion	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ)	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> <li>• Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician's assistant or to our MS in Exercise and Wellness or Clinical Exercise Physiology</li> </ul>
 STP 226: Elements of Statistics (CS) OR PSY 230: Introduction to Statistics (CS)	3	C	
NTR 241: Human Nutrition OR NTR 100: Introductory Nutrition	3	C	



Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
Elective	3
❖ Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

should take BIO 201 in Term 3 instead of BIO 160, and BIO 202 in Term 4 instead of an elective.

Term 4 48 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician's assistant or to our MS in Exercise and Wellness or Clinical Exercise Physiology should take BIO 201 in Term 3 instead of BIO 160, and BIO 202 in Term 4 instead of an elective.</li> </ul>
Complete 3 courses:	10		
Elective			
Term hours subtotal:	13		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 340: Health Behavior Theory	3	C	<ul style="list-style-type: none"> <li>Develop your professional online presence.</li> </ul>
EXW 444: Epidemiology	3	C	
EXW 348: Methods of Health Education	3	C	
Upper Division HEHP Major Electives	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 284: Exercise and Wellness PreInternship	1	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview.</li> </ul>
★ EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C	
EXW 454: Health Promotion Program Planning and Implementation	3	C	
EXW 456: Health Promotion Program Evaluation	3	C	
Complete 2 courses:	6	C	
Upper Division HEHP Major Electives			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 452: Health Advocacy in Health Education	3	C	<ul style="list-style-type: none"> <li>Students must have a cumulative ASU GPA of 2.00 in order to take the EXW 484 Internship in term 8.</li> <li>Apply for full-time career opportunities.</li> </ul>
★ EXW 466: Health Promotion Program Management and Administration	3	C	
EXW 400: Stress Management for Wellness	3	C	
EXW 476: Community Health	3	C	
Upper Division HEHP Major Electives	3	C	
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division HEHP Major Electives	4	C
EXW 484: Internship OR EXW 486: Applied Projects in Health Education and Health Promotion	3	C
EXW 484: Internship OR Upper Division HEHP Major Elective OR EXW 486: Applied Projects in Health Education and Health Promotion	3	C
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
Term hours subtotal:	13	

- For the 2019-20 academic catalog only, the EXW 484 or EXW 486 fills the college's Translational Research requirement.

Hide Course List(s)/Track Group(s)

HEHP Major Electives
EXW 303: Human Sexuality for Health Education
EXW 335: Physical Activity and Fitness Concepts
EXW 344: Physical Activity in Health and Disease
EXW 350: Substance Abuse and Addictive Behavior
EXW 380: Body Image and Wellness
EXW 410: Obesity Perspectives and Prescriptions
EXW 443: Emotional Health and Interpersonal Relationships
EXW 448: Foundations of School Health Education

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Health Education and Health Promotion, BS

School/College: [College of Health Solutions](#)




Location: [Online](#)

NHHEHPBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students</li> <li>• Students who enter with fewer than 45 hours must complete CHS 100; students who enter with more than 45 hours should complete CHS 300.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		




Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EXW 100: Introduction to Health and Wellness (SB)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
MAT course (MA)	3	C	
Term hours subtotal:	6		



Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 102: Principles and Foundations of Health Education and Health Promotion	3	C	
Term hours subtotal:	6		

Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
CHM 107: Chemistry and Society (SQ) AND CHM 108: Chemistry and Society Laboratory (SQ) OR CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR BIO 181: General Biology I (SQ)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		



Term 3 - A 26 - 32 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>• Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician's assistant or to our MS in Exercise and</li> </ul>
Elective	3		
Term hours subtotal:	6		



Wellness or Clinical Exercise Physiology should take BIO 201 in Term 3A and BIO 202 in Term 3B. If those were completed, the student should complete an elective in Term 5A instead of BIO 160.



Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 241: Human Nutrition OR NTR 100: Introductory Nutrition	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> <li>• Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician's assistant or to our MS in Exercise and Wellness or Clinical Exercise Physiology should take BIO 201 in Term 3A and BIO 202 in Term 3B. If those were completed, the student should complete an elective in Term 5A instead of BIO 160.</li> </ul>
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STP 226: Elements of Statistics (CS) OR PSY 230: Introduction to Statistics (CS)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 4 - B 44 - 50 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	6		

Term 5 - A 50 - 59 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician's assistant or to our MS in Exercise and Wellness or Clinical Exercise Physiology should have taken BIO 201 in Term 3A and BIO 202 in Term 3B. If those were completed, the student should complete an elective in Term 5A instead of BIO 160.</li> </ul>
EXW 284: Exercise and Wellness PreInternship	1	C	
Elective	4		
Term hours subtotal:	9		

Term 5 - B 59 - 65 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EXW 340: Health Behavior Theory	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 65 - 71 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EXW 444: Epidemiology	3	C	

Upper Division HEHP Major Electives	3	C
Term hours subtotal:	6	

- If the course chosen to fulfill an Upper Division Specialty Focus Area also meets a college competency, then the student will need an additional 3 credit elective.

Term 6 - B 71 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EXW 348: Methods of Health Education	3	C
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

Term 7 - A 77 - 83 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EXW 454: Health Promotion Program Planning and Implementation	3	C
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C
Term hours subtotal:	6	

Term 7 - B 83 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EXW 456: Health Promotion Program Evaluation	3	C
Upper Division HEHP Major Electives	4	C
Term hours subtotal:	7	

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EXW 466: Health Promotion Program Management and Administration	3	C
EXW 452: Health Advocacy in Health Education	3	C
Term hours subtotal:	6	

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EXW 476: Community Health	3	C
Upper Division HEHP Major Electives	3	C
Term hours subtotal:	6	

- Complete an in person or virtual practice interview.

Term 9 - A 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
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EXW 484: Internship OR EXW 486: Applied Projects in Health Education and Health Promotion	3	C
EXW 484: Internship OR EXW 486: Applied Projects in Health Education and Health Promotion OR Upper Division HEHP Major Elective	3	C
Term hours subtotal:	6	

- Apply for full-time career opportunities
- Students must have a minimum 2.00 cumulative ASU GPA in order to enroll in the EXW 484 Internship or EXW 486 Applied Projects.
- For the 2019-20 catalog year only, EXW 484 or EXW 486 will complete the college's requirement for translational research.

Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EXW 400: Stress Management for Wellness	3	C
Upper Division HEHP Major Electives	3	C
Term hours subtotal:	6	

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division HEHP Major Electives	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

HEHP Major Electives
EXW 303: Human Sexuality for Health Education
EXW 335: Physical Activity and Fitness Concepts
EXW 344: Physical Activity in Health and Disease
EXW 350: Substance Abuse and Addictive Behavior
EXW 380: Body Image and Wellness
EXW 443: Emotional Health and Interpersonal Relationships
EXW 448: Foundations of School Health Education

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Health Sciences, BS




School/College: College of Health Solutions



Location: Downtown Phoenix campus, West campus

NHHSCBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT course (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCD 210: Cultural Aspects of Health (C)	3	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours may complete CHS 300 instead.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">skills</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>• Secure a <a href="#">part-time job</a> or volunteer experience.</li> </ul>
Complete 4 courses:			
Elective	12		
Term hours subtotal:	15		



Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 300: Biostatistics (CS)	3	C	<ul style="list-style-type: none"> <li>Develop your professional <b>online presence</b>.</li> </ul>
★ HCD 310: Health Communication	3	C	
HCD 320: Applied Medical/Health Care Ethics (HU)	3	C	
HCD 330: Health Care Systems in the U.S.	3		
MED 300: Historical and Contemporary Issues in Health (L)	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 303: Global Health Care Systems (G)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Students who choose to enroll in MED 484 in term 7 must have a minimum cumulative 3.00 GPA at the end of term 6.</li> </ul>
Complete 2 courses: Track Focus Area Course	6	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MED 450: Leadership and Professionalism OR HCD 401: Leadership and Professionalism	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> <li>Students who choose to enroll in MED 484 must have a minimum cumulative 3.00 GPA at the end of term 6.</li> <li>The internship in term 7 fills the college's translational research requirement for the 2019-20 academic year.</li> </ul>
CHS 484: Internship OR HCD 484: Internship OR MED 484: Internship	3	Y	
Complete 2 courses: Upper Division Track Focus Area Course	6	C	
Upper Division Elective	3		
★ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Track Focus Area Course	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	12		

- Students interested in the Mayo School of Health Sciences Echocardiography program must complete all prerequisites at ASU and a one credit medical terminology course from GateWay Community College prior to matriculation to the 21 month professional program at Mayo. Students must be accepted into the program, which has limited slots for admission. For admission criteria and application process go [here](#). If a student is accepted for the program, completion requires the student to attend ASU to meet our remaining requirements in the summer prior to the beginning of the program. Students must work closely with the ASU academic success specialist to make certain all prerequisites have been met. Upon

successful completion of the Echocardiography curriculum at Mayo, the student must have the credits transferred back to ASU for acceptance as a block. At that time, the student may apply for graduation from ASU with the BS in Health Sciences. Students who begin the Mayo track but are not accepted into the Mayo program may choose another track in order to graduate with the BS in Health Sciences.

- For those interested in working with hispanic/latino populations, the Spanish and Health track is ideal. Since the first course in the track, SPA 314 or 316, has prerequisites (SPA 313 or SPA 315), students should either have taken one of those courses or they should schedule an appointment on the Downtown campus with Dr. Barbara Lafford for placement. Plan ahead to complete your prerequisites.
- Students who plan to complete the track in Language, Speech and Communication must complete PHY 101 and BIO 160 to fill their natural science area of the general studies.

#### Hide Course List(s)/Track Group(s)

Community-based Health Outcomes	Health Legislation and Regulation	Integrated Care
HCD 302: Health Care Management	HCD 302: Health Care Management	HCD 340: Complementary Health Care
IBC 420: Population Health Management	HCD 332: Health Care Legislation	HSC 340: Changing Health Behaviors
MED 417: Impact of Violence on Health	HCD 400: Interpreting the Scientific Literature	HSC 440: Health Coaching Concepts and Skills
MED 445: Prevention and Management of Chronic Disease	HCD 432: Legal Issues in Health Care	MED 445: Prevention and Management of Chronic Disease
PBH 422: Health Disparities and Access to Health	PAF 340: Contemporary Policy Challenges	NTR 355: Eating for Lifelong Health (SB)
Spanish and Health	Mayo Clinic Echocardiography Track	Language, Speech and Communication
SPA 314: Spanish Conversation and Composition (G) or SPA 316: Advanced Spanish II for Bilinguals (L & C)	PHY 101: Introduction to Physics (SQ)	SHS 205: Exploring Communication Disorders in Children and Adults AND SHS 250: Introduction to Phonetics
SPA 318: Advanced Spanish for Health Care Professionals	BIO 201: Human Anatomy and Physiology I (SG)	SHS 310: Anatomical and Physiological Bases of Speech
SPA 404: Spanish in U. S. Professional Communities (C)	BIO 202: Human Anatomy and Physiology II (SG)	SHS 311: Hearing Science
SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)	COM 225: Public Speaking (L)	SHS 367: Language Science (SB)
SPA 406: Introduction to Spanish/English Medical Interpretation		SHS 375: Speech Science
		SHS 401: Principles of Audiology
		SHS 465: Speech and Language Acquisition (SB)
		SHS 496: Aural Rehabilitation

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Health Sciences (Healthy Lifestyles Coaching), BS




School/College: College of Health Solutions

Location: Downtown Phoenix campus, West campus

NUHSCHLCBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
 CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	14		

Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Students who come in as freshmen must take CHS 100 rather than CHS 300.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HCD 210: Cultural Aspects of Health (C)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">skills</a>.</li> </ul>
PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR HCD 300: Biostatistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Secure a <a href="#">part-time job</a> or volunteer experience.</li> </ul>
EXW 102: Principles and Foundations of Health Education and Health Promotion	3	C	

Literacy and Critical Inquiry (L)	3
<hr/>	
Complete 2 courses:	
Elective	6
<hr/>	
Term hours subtotal:	15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 325: Fitness for Life	3	C	• Develop your professional online presence.
★ HCD 340: Complementary Health Care	3	C	
HCD 320: Applied Medical/Health Care Ethics (HU)	3	C	
Upper Division Healthy Lifestyles Coaching Electives	3	C	
Global Awareness (G)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 340: Changing Health Behaviors	3	C	• Use Handshake to research employment opportunities.
EXW 344: Physical Activity in Health and Disease	3	C	
EXW 400: Stress Management for Wellness	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 440: Health Coaching Concepts and Skills	3	C	• Gather professional references.
EXW 350: Substance Abuse and Addictive Behavior	3	C	
EXW 452: Health Advocacy in Health Education	3	C	
NTR 355: Eating for Lifelong Health (SB)	3	C	
Upper Division Healthy Lifestyles Coaching Electives	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 360: Entrepreneurship and Value Creation	3	C	• Apply for career opportunities.
CHS 294: Community Health and Translational Research OR CHS 484: Internship	3	C	
Upper Division Healthy Lifestyles Coaching Electives	3	C	
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Healthy Lifestyles Coaching Electives

EXW 303: Human Sexuality for Health Education

EXW 320: Management and Leadership in  
Exercise and Wellness

EXW 335: Physical Activity and Fitness  
Concepts

EXW 380: Body Image and Wellness

EXW 410: Obesity Perspectives and  
Prescriptions

EXW 442: Motivational Interviewing

EXW 443: Emotional Health and Interpersonal  
Relationships

EXW 450: Social Determinants of Health and  
Health Behavior ((L or SB) & C)

EXW 454: Health Promotion Program  
Planning and Implementation

EXW 456: Health Promotion Program  
Evaluation

EXW 466: Health Promotion Program  
Management and Administration

EXW 476: Community Health

HCD 410: Supporting the Health of Older  
Adults

HCD 412: Health Issues in Later Life

HCR 342: Mind-Body and Energy Therapies  
and Modalities

HSC 441: Applied Health Coaching  
Techniques

IBC 430: Medical Pathophysiology,  
Terminology and Behavioral Health

NTR 345: Development of Healthy Cuisines

NTR 353: Perspectives on the Western Diet:  
Food, Health and Sustainability

NTR 448: Community Nutrition (L)

NTR 453: Nutrition and the Media

NTR 457: Sports Nutrition

PBH 422: Health Disparities and Access to  
Health

SWU 350: Whole Person Health Across the  
Lifespan (SB)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Health Sciences (Healthy Lifestyles Coaching), BS



School/College: [College of Health Solutions](#)


Location: [Online](#)



NUHSCHLCBS



**FT** Fast Track Options: 2.5 Year | 3 Year



A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Students who enter with fewer than 45 hours must complete CHS 100; only students who enter ASU with more than 45 hours may take CHS 300.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
Term hours subtotal:	7		

Term 2 - A 14 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		

Term 2 - B 20 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
HCD 210: Cultural Aspects of Health (C)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 26 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
Global Awareness (G)	3		



Term hours subtotal: 7

Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 PSY 101: Introduction to Psychology (SB)	3	C	• Develop your <b>skills</b> .
Elective	3		
🚩 Complete First-Year Composition requirement.			
🚩 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 45 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 EXW 102: Principles and Foundations of Health Education and Health Promotion	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		• Secure a <b>part-time job</b> or <b>volunteer experience</b> .
Elective	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ EXW 325: Fitness for Life	3	C	
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR HCD 300: Biostatistics (CS)	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ HCD 320: Applied Medical/Health Care Ethics (HU)	3	C	• Develop your <b>professional online presence</b> .
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ HCD 340: Complementary Health Care	3	C	
EXW 344: Physical Activity in Health and Disease	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ EXW 400: Stress Management for Wellness	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ EXW 350: Substance Abuse and Addictive Behavior	3	C	

Elective	3
Term hours subtotal:	6

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
EXW 452: Health Advocacy in Health Education	3	C	• Use Handshake to research employment opportunities.
HSC 340: Changing Health Behaviors	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 440: Health Coaching Concepts and Skills	3	C	
Upper Division Healthy Lifestyles Coaching Electives	3	C	
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Healthy Lifestyles Coaching Electives	3	C	• Gather professional references.
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Healthy Lifestyles Coaching Electives	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 355: Eating for Lifelong Health (SB)	3	C	
CHS 294: Community Health and Translational Research OR CHS 484: Internship	3	C	
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 360: Entrepreneurship and Value Creation	3	C	• Apply for full-time career opportunities.
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

- Healthy Lifestyles Coaching Electives
- EXW 303: Human Sexuality for Health Education

EXW 335: Physical Activity and Fitness  
Concepts

EXW 380: Body Image and Wellness

EXW 443: Emotional Health and Interpersonal  
Relationships

EXW 450: Social Determinants of Health and  
Health Behavior ((L or SB) & C)

EXW 454: Health Promotion Program  
Planning and Implementation

EXW 456: Health Promotion Program  
Evaluation

EXW 466: Health Promotion Program  
Management and Administration

EXW 476: Community Health

HCD 410: Supporting the Health of Older  
Adults

HCD 412: Health Issues in Later Life

HCR 342: Mind-Body and Energy Therapies  
and Modalities

HSC 441: Applied Health Coaching  
Techniques

NTR 345: Development of Healthy Cuisines

NTR 353: Perspectives on the Western Diet:  
Food, Health and Sustainability

NTR 453: Nutrition and the Media

PBH 422: Health Disparities and Access to  
Health

SWU 350: Whole Person Health Across the  
Lifespan (SB)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### International Public Health, BIPH

School/College: [College of Health Solutions](#)

Location: [Online](#)

NHIPHBIPH

Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ASU 101-UC: The ASU Experience	1		
BIO 100: The Living World (SQ)	4	C	
Term hours subtotal:	8		
Term 1 - B 8 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
MAT 117: College Algebra (MA)	3	C	
Term hours subtotal:	6		
Term 2 - A 14 - 21 Credit Hours	Hours	Minimum Grade	Notes
ASB 100: Introduction to Global Health (SB & G)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
BIO 160: Introduction to Anatomy and Physiology (SQ)	4	C	
Term hours subtotal:	7		
Term 2 - B 21 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCD 210: Cultural Aspects of Health (C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
CHS 201: International Indigenous Health	3	C	
POP 100: Introduction to Population Health	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	9		
Term 3 - A 30 - 36 Credit Hours	Hours	Minimum Grade	Notes
CHS 301: Epidemiology for International Public Health	3	C	<ul style="list-style-type: none"> <li>• Courses offered by University of New South Wales.</li> </ul>
HCD 300: Biostatistics (CS)	3	C	
Term hours subtotal:	6		
Term 3 - B 36 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHS 303: Health Promotion	3	C	<ul style="list-style-type: none"> <li>• Courses offered by University of New South Wales.</li> </ul>
 Complete First-Year Composition requirement.			

🚩 Complete Mathematics (MA) requirement.

Term hours subtotal: 3

Summer 3 39 - 48 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 CHS 306: Public Health Policy & Programs	3	C	• Courses offered by University of New South Wales.
CHS 304: Communicable Disease	3	C	
CHS 307: Health Leadership	3	C	
Term hours subtotal:	9		

Term 4 - A 48 - 54 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 CHS 305: Principles of Prevention & Public Health Surveillance	3	C	• Courses offered by University of New South Wales.
CHS 309: Global Chronic Disease Prevention and Control	3	C	
Term hours subtotal:	6		

Term 4 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	6		

Term 5 - A 60 - 66 Credit Hours	Hours	Minimum Grade	Notes
CHS 401: Ethics in Public Health	3	C	
IBC 410: Behavioral and Mental Disorders	3	C	
Term hours subtotal:	6		

Term 5 - B 66 - 72 Credit Hours	Hours	Minimum Grade	Notes
PBH 435: Environmental and Occupational Health	3	C	• Develop your <b>professional online presence</b> .
Elective	3		
Term hours subtotal:	6		

Summer 5 72 - 81 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ HCD 332: Health Care Legislation	3	C	
CHS 308: Comparative Health Systems	3	C	
PBH 201: Economics for Health Majors	3	C	
Term hours subtotal:	9		

Term 6 - A 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
ASB 301: Global History of Health (SB & G & H)	3	C	• Secure a <b>part-time job</b> or <b>volunteer experience</b> .
HCD 400: Interpreting the Scientific Literature	3	C	
Term hours subtotal:	6		

Term 6 - B 87 - 96 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ MED 300: Historical and Contemporary Issues in Health (L)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 9

Term 7 - A 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCD 482: Capstone I	1	C	
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Complete 2 courses:	5		
Elective			

Term hours subtotal: 6

Term 7 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
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HCD 302: Health Care Management	3	C	
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Elective	3		
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Term hours subtotal: 6

- Use Handshake to research employment opportunities.

Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCD 483: Capstone II	3	C	
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Literacy and Critical Inquiry (L)	3		
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Term hours subtotal: 6

- Gather professional references.

Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
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MED 445: Prevention and Management of Chronic Disease	3	C	
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Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
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Term hours subtotal: 6

- Apply for full-time career opportunities.

- Courses are offered by both Arizona State University and the University of New South Wales (UNSW) in Sydney, Australia. Students should work closely with their academic advisor regarding class selection and enrollment -- particularly those offered through UNSW.

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Kinesiology, BS







School/College: College of Health Solutions

Location: Downtown Phoenix campus, ASU@Lake Havasu

NUKINBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 KIN 101: Introduction to Kinesiology	3	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• If student did not test into MAT 170, then take MAT 117 as the elective in term 1.</li> <li>• Students who enter the major as freshmen must complete CHS 100; students who enter the major with more than 45 hours may complete CHS 300 instead.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
BIO 181: General Biology I (SQ)	4	C	
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	
 MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experiences.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
 PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
 Minimum 3.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

		Minimum	
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Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
⚠ BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> </ul>
⚠ KIN 290: Introduction to Evidence-Based Practice (L)	3	C	
⚠ PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Elective	3		
⚠ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 59 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ KIN 345: Motor and Developmental Learning	3	C	<ul style="list-style-type: none"> <li>• Develop your professional <b>online presence</b>.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> </ul>
★ KIN 352: Psychosocial Aspects of Physical Activity (SB & C)	3	C	
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	16		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ KIN 335: Biomechanics	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• Students who choose KIN 484 as one of their major electives do not need to complete CHS 294 or CHS 484. They may instead take a general elective in term 6.</li> </ul>
★ KIN 340: Physiology of Exercise	3	C	
CHS 294: Community Health and Translational Research OR CHS 484: Internship	3	C	
Upper Division KIN Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ KIN 334: Functional Anatomy and Kinesiology	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Upper Division KIN course (L)	3	C	
Complete 2 courses:	6	C	
Upper Division KIN Elective			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 3 courses:	9	C	
Upper Division KIN Elective			
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Upper Division KIN Elective

EXW 316: Physiological Foundations of  
Movement Laboratory

KIN 348: Psychological Skills for Optimal  
Performance (SB)

KIN 412: Biomechanics of the Skeletal  
System

KIN 413: Qualitative Analysis in Sport  
Biomechanics

KIN 414: Electromyographic Kinesiology (L)

KIN 415: Theory of Corrective Exercise

KIN 418: Experimental Neuromechanics

KIN 421: Human Motor Control (L)

KIN 422: Motor Control in Special  
Populations (L)

KIN 423: Motor Control and Aging (L)

KIN 424: Neural Aspects of Movement and  
Rehabilitation

KIN 440: Exercise Biochemistry

KIN 441: Physiology of Women in Sport (L)

KIN 442: Fuel Metabolism

KIN 443: Exercise Endocrinology (L)

KIN 444: Metabolic Adaptations to Exercise  
Training

KIN 446: Pediatric Obesity

KIN 447: ECG Interpretation

KIN 450: Biopsychosocial Perspectives on  
Physical Activity and Health

KIN 452: Exercise Psychology (SB)

KIN 454: Motivational Theory in Exercise and  
Health

KIN 460: Theory of Strength Training (L)

KIN 465: Muscle Physiology

KIN 484: Internship

KIN 492: Research

KIN 493: Honors Thesis (L)

KIN 494: Advanced Exercise Physiology

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KIN 494: Cardiovascular Exercise Physiology

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KIN 494: Functional Anatomy of Low Back  
Pain

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KIN 494: Undergraduate Research

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KIN 499: Individualized Instruction

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Medical Studies, BS




School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus, West campus](#)

NHMEDBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	15		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Student should decide on a professional track prior to registration for the next term.</li> <li>• Students who enter the major as freshmen must complete CHS 100; students who enter the major with more than 45 hours should complete CHS 300.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HCD 210: Cultural Aspects of Health (C)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 3 32 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> <li>• The course chosen from the list in this term (SOC 101, CDE 232, ECN 211, COM 100) should be selected from the Professional Track the student is following. If the track does not specify one of the courses, ECN 211 is recommended.</li> </ul>
SOC 101: Introductory Sociology (SB) OR CDE 232: Human Development (SB) OR ECN 211: Macroeconomic Principles (SB) OR COM 100: Introduction to Human Communication (SB)	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Professional Track Courses	4	C	
Elective	3		
 Complete Mathematics (MA) requirement.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 4 49 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
			<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> </ul>

❖ CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C
Professional Track Courses	4	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Literacy and Critical Inquiry (L)	3	
❖ Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	14	

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 300: Biostatistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Create an updated <b>resume</b>.</li> <li>• Students must have a minimum ASU cumulative GPA of 3.00 or higher to apply for the MED 484 internship.</li> </ul>
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory OR Upper Division Medical Studies Breadth Electives	4	C	
HCD 320: Applied Medical/Health Care Ethics (HU)	3	C	
Professional Track Courses	4	C	
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 77 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCD 310: Health Communication	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• For the 2019-20 catalog, MED 484 or HCD 484 fill the college's experiential translational research.</li> </ul>
MED 484: Internship OR HCD 484: Internship	3	C	
Complete 2 courses: Professional Track Courses	7	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 303: Global Health Care Systems (G)	3	C	
HCD 402: OR Upper Division Medical Studies Breadth Elective	3	C	
MED 300: Historical and Contemporary Issues in Health (L)	3	C	
MED 484: Internship OR HCD 484: Internship OR Upper Division Medical Studies Breadth Elective	3		
Professional Track Course OR Elective	3	C	
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MED 450: Leadership and Professionalism	3	C	
HCD 330: Health Care Systems in the U.S.	3	C	
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Upper Division Elective	6		

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

- Students in the MD track who plan to apply to University of Arizona Medical School in Tucson must complete an upper division course in Cell Biology, Histology, Microbiology, Pathology, or Immunobiology as well as an upper division course in Molecular Biology. This means that at least one of the upper division electives should come from the courses in the Medical Breadth Electives.

Hide Course List(s)/Track Group(s)

Occupational Therapy Professional Track	Pharmacy Professional Track	Physical Therapy Professional Track
BIO 140: Greek and Latin Roots in Bioscientific Terminology	BIO 201: Human Anatomy and Physiology I (SG)	BIO 201: Human Anatomy and Physiology I (SG)
BIO 201: Human Anatomy and Physiology I (SG)	BIO 202: Human Anatomy and Physiology II (SG)	BIO 202: Human Anatomy and Physiology II (SG)
BIO 202: Human Anatomy and Physiology II (SG)	COM 225: Public Speaking (L)	COM 100: Introduction to Human Communication (SB)
CDE 232: Human Development (SB) or SOC 101: Introductory Sociology (SB)	ECN 211: Macroeconomic Principles (SB)	EXW 315: Physiological Foundations of Movement
PHY 101: Introduction to Physics (SQ) or PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	MAT 251: Calculus for Life Sciences (MA)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
PSY 341: Developmental Psychology (SB)	MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)
PSY 366: Abnormal Psychology (SB)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	PSY 341: Developmental Psychology (SB)
		PSY 366: Abnormal Psychology (SB)
Medicine (MD/DO) Professional Track	Optometry Professional Track	Dentistry Professional Track
BIO 201: Human Anatomy and Physiology I (SG)	BIO 201: Human Anatomy and Physiology I (SG)	BIO 201: Human Anatomy and Physiology I (SG)
BIO 202: Human Anatomy and Physiology II (SG)	BIO 202: Human Anatomy and Physiology II (SG)	BIO 202: Human Anatomy and Physiology II (SG)
BIO 340: General Genetics	COM 100: Introduction to Human Communication (SB)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	MAT 251: Calculus for Life Sciences (MA)	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	MIC 205: Microbiology (SG)
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	
SOC 101: Introductory Sociology (SB) or COM 100: Introduction to Human Communication (SB)	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	
Physician Assistant (PA) Professional Track	Medical Studies Breadth Electives	
BIO 140: Greek and Latin Roots in Bioscientific Terminology	BIO 353: Cell Biology	

BIO 201: Human Anatomy and Physiology I (SG)	BIO 355: Introduction to Computational Molecular Biology (CS)
BIO 202: Human Anatomy and Physiology II (SG)	BIO 360: Animal Physiology
BIO 340: General Genetics	BIO 420: Immunology: Molecular and Cellular Foundations
MIC 205: Microbiology (SG)	BIO 494: Advanced Study Practicum: Anatomy & Physiology
MIC 206: Microbiology Laboratory (SG)	BMI 332: Team Dynamics for Healthcare IT Projects
SOC 101: Introductory Sociology (SB)	BMI 404: Clinical Environments
	EXW 342: Health Behavior Change
	HCD 302: Health Care Management
	HCD 332: Health Care Legislation
	HCD 402: Health Economics
	HCD 403: Process Engineering
	HCD 404: Advanced Concepts in the Science of Health Care Delivery
	HCD 410: Supporting the Health of Older Adults
	HCD 412: Health Issues in Later Life
	HSC 340: Changing Health Behaviors
	IBC 420: Population Health Management
	MED 294: Hospice and Palliative Care
	MED 394: Healthcare and Humanities
	MED 394: Intro Dementia & Alzheimers Disease
	MED 417: Impact of Violence on Health
	MED 445: Prevention and Management of Chronic Disease
	MED 494: Palliative Care Managing Complex Serious Illness
	PBH 422: Health Disparities and Access to Health
	PSY 341: Developmental Psychology (SB)
	PSY 366: Abnormal Psychology (SB)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)



**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Nutrition, BS





School/College: College of Health Solutions

Location: Downtown Phoenix campus

NHNTRBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>• Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300 instead.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
MAT course (MA)	3	C	
Elective	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 100: Introductory Nutrition OR NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">skills</a>.</li> </ul>
BIO 160: Introduction to Anatomy and Physiology (SQ) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 142: Applied Food Principles	3	C	

Historical Awareness (H)	3
Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Complete 2 courses:	
Elective	6
Term hours subtotal:	15

- Secure a **part-time job** or **volunteer** experience.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ENG 301: Writing for the Professions (L) OR TWC 301: Fundamentals of Writing for Digital Media (L)	3	C
Complete 2 courses:		
Food Entrepreneurship Track Course	6	C
MKT 390: Essentials of Marketing	3	C
NTR 345: Development of Healthy Cuisines OR NTR 341: Medical Nutrition Therapy I	3	C
Term hours subtotal:	15	

- Develop your **professional online presence**.
- See list below for Food Entrepreneurship courses.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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NTR 450: Nutrition in the Life Cycle (SB) OR NTR 355: Eating for Lifelong Health (SB)	3	C
Upper Division Food Entrepreneurship Track Elective	3	C
Food Entrepreneurship Track Course	3	C
Upper Division Elective	3	
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Use Handshake to research **employment opportunities**.
- In order to take NTR 401 in term 8, students must take NTR 343, NTR 351 or NTR 444 in an earlier term.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ NTR 300: Computer Applications in Nutrition OR NTR 302: Digital Technologies in Nutrition Communication	3	C
Upper Division Food Entrepreneurship Track Course	3	C
Complete 2 courses:		
Upper Division Food Entrepreneurship Track Elective	6	C
Elective	3	
Term hours subtotal:	15	

- Gather **professional references**.
- In order to take NTR 401 in term 8, students must take NTR 343, NTR 351 or NTR 444 in an earlier term.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ NTR 401: Preprofessional Preparation in Nutrition	3	C
NTR 360: Entrepreneurship and Value Creation	3	C
Complete 2 courses:		
Upper Division Food Entrepreneurship Track Course	6	C
Upper Division Elective	3	
Term hours subtotal:	15	

- Apply for **full-time career opportunities**.
- For the 2019/20 catalog, NTR 401 fills the colleges' requirement in experiential translational research.

Hide Course List(s)/Track Group(s)

Food Entrepreneurship Track	Food Entrepreneurship Track Electives
ACC 382: Accounting and Financial Analysis	NTR 320: History of Human Nutrition
MGT 380: Management and Strategy for Nonmajors	NTR 348: Cultural Aspects of Food (SB & C & G)
NTR 343: Food Service Purchasing	NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability
NTR 344: Nutrition Management and Leadership (L)	NTR 448: Community Nutrition (L)
NTR 445: Management of Food Service Systems	TDM 205: Introduction to Travel and Tourism (G)
NTR 455: Retail Food Service Operations	TDM 345: Meeting and Convention Planning
	TDM 448: Heritage and Cultural Tourism
	TDM 458: International Tourism (G)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map

### Nutrition, BS

School/College: [College of Health Solutions](#)

Location: [Online](#)

NHNTRBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300 instead.</li> </ul>
ASU 101-UC: The ASU Experience	1		
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a></li> </ul>
MAT course (MA)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	7		
Term 2 - B 20 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 100: Introductory Nutrition OR NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 26 - 32 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	6		
Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>• Develop your <a href="#">skills</a>.</li> </ul>

Elective	3
◆ Complete First-Year Composition requirement.	
◆ Complete Mathematics (MA) requirement.	
Term hours subtotal:	6

Term 4 - A 38 - 45 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 160: Introduction to Anatomy and Physiology (SQ) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Elective	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ NTR 142: Applied Food Principles	3	C	<ul style="list-style-type: none"> <li>Secure a part-time job or volunteer experience.</li> </ul>
Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Food Entrepreneurship Track Course	3	C	<ul style="list-style-type: none"> <li>Develop your professional online presence.</li> <li>In order to take NTR 401 in term 10A, students must take NTR 343, NTR 351 or NTR 444 in an earlier term.</li> <li>See list below for Food Entrepreneurship courses.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Food Entrepreneurship Track Course	3	C	<ul style="list-style-type: none"> <li>In order to take NTR 401 in term 10A, students must take NTR 343, NTR 351 or NTR 444 in an earlier term.</li> </ul>
MKT 390: Essentials of Marketing	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Food Entrepreneurship Track Course	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> <li>In order to take NTR 401 in term 10A, students must take NTR 343, NTR 351 or NTR 444 in an earlier term.</li> </ul>
NTR 345: Development of Healthy Cuisines	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 301: Writing for the Professions (L) OR TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	
Upper Division Elective	3		

Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
Upper Division Food Entrepreneurship Track Course	6	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>In order to take NTR 401 in term 10A, students must take NTR 343, NTR 351 or NTR 444 in an earlier term.</li> </ul>
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Food Entrepreneurship Track Electives	3	C	
NTR 355: Eating for Lifelong Health (SB) OR NTR 450: Nutrition in the Life Cycle (SB)	3	C	
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
NTR 360: Entrepreneurship and Value Creation	3	C	<ul style="list-style-type: none"> <li>In order to take NTR 401 in term 10A, students must take NTR 343, NTR 351 or NTR 444 in an earlier term.</li> </ul>
Upper Division Food Entrepreneurship Track Course	3	C	
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Food Entrepreneurship Track Electives	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 300: Computer Applications in Nutrition OR NTR 302: Digital Technologies in Nutrition Communication	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
Upper Division Food Entrepreneurship Track Electives	3	C	
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 401: Preprofessional Preparation in Nutrition	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Food Entrepreneurship Track	Food Entrepreneurship Track Electives
ACC 382: Accounting and Financial Analysis	NTR 320: History of Human Nutrition

MGT 380: Management and Strategy for Nonmajors	NTR 348: Cultural Aspects of Food (SB & C & G)
NTR 343: Food Service Purchasing	NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability
NTR 344: Nutrition Management and Leadership (L)	TDM 205: Introduction to Travel and Tourism (G)
NTR 445: Management of Food Service Systems	
NTR 455: Retail Food Service Operations	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map Nutrition (Dietetics), BS




School/College: College of Health Solutions

Location: Downtown Phoenix campus

ECNTRDBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Minimum grade of C required in the courses marked as C or better for Didactic Program in Dietetics (DPD) verification statement</li> <li>• In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.50.</li> <li>• Students who enter the major as freshmen must complete CHS 100; students who enter the major with more than 45 hours should complete CHS 300.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NTR 150: Introduction to the Professions in Nutrition and Dietetics	1	C	
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>• In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.50.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>• In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.50.</li> <li>• Develop your <a href="#">skills</a>.</li> </ul>
 NTR 142: Applied Food Principles	3	C	
STP 226: Elements of Statistics (CS) OR SWU 321: Statistics for Social Workers (CS) OR SOC 390: Social Statistics I (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		

Elective 3

❖ Complete First-Year Composition requirement.

❖ Complete Mathematics (MA) requirement.

❖ Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 4 46 - 59 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.50.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
❖ NTR 290: Introduction to Evidence-Based Practice (L)	3	C	
Complete 2 courses: Elective	6		
❖ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 59 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.50.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
CHS 294: Community Health and Translational Research OR CHS 484: Internship	3	C	
NTR 343: Food Service Purchasing	3	C	
NTR 351: Nutrition Communication (L)	3	C	
Upper Division Elective	3		
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.50.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ NTR 341: Medical Nutrition Therapy I	3	C	
NTR 344: Nutrition Management and Leadership (L)	3	C	
NTR 448: Community Nutrition (L)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 90 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NTR 440: Advanced Human Nutrition I	3	C	<ul style="list-style-type: none"> <li>In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.50.</li> <li>Gather <b>professional references</b>.</li> </ul>
★ NTR 445: Management of Food Service Systems	3	C	
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
NTR 350: Nutrition Counseling	3	C	
NTR 444: Medical Nutrition Therapy II	3	C	

★ Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 400: Preprofessional Preparation in Dietetics	1	C	<ul style="list-style-type: none"> <li>• In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.50.</li> <li>• Apply for full time career opportunities.</li> </ul>
★ NTR 441: Advanced Human Nutrition II	3	C	
NTR 446: Medical Nutrition Therapy III	4	C	
NTR 450: Nutrition in the Life Cycle I (SB)	3	C	
Upper Division Elective	3		
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map






### Nutrition (Human Nutrition), BS






School/College: College of Health Solutions

Location: Downtown Phoenix campus



ECNTRHBS



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Take CHM 101 or 113 depending on preparation; see course description</li> <li>• Network in your <b>career interest area</b>.</li> <li>• Students who enter as freshmen or sophomores must complete CHS 100; students who enter as juniors or seniors may complete CHS 300 instead.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	14		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
 NTR 241: Human Nutrition	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		


Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Students who wish to apply to medical school or dental school should take 8 semester hours of organic chemistry. These students should enroll in CHM 233 and CHM 237 in this term rather than the CHM 231 and CHM 235.</li> <li>• Students who take CHM 233 and CHM 237 must take CHM 234 and CHM 238 in order to take BCH 361 Principles of Biochemistry.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
STP 226: Elements of Statistics (CS) OR HCD 300: Biostatistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		



Minimum

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students who took CHM 233 and CHM 237 in term 3 must take CHM 234 and CHM 238 in this term in order to take BCH 361 Principles of Biochemistry.</li> <li>• NTR 290 fills the required Health Informatics and Problem-Solving competency area</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Explore research opportunities.</li> </ul>
NTR 142: Applied Food Principles	3	C	
NTR 290: Introduction to Evidence-Based Practice (L)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		

Term 5 61 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 341: Medical Nutrition Therapy I	3	C	<ul style="list-style-type: none"> <li>• Develop your professional <b>online presence</b>.</li> </ul>
BIO 182: General Biology II (SG)	4	C	
CHS 294: Community Health and Translational Research OR CHS 484: Internship	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>• Research <b>employment opportunities</b>.</li> </ul>
 NTR 440: Advanced Human Nutrition I	3	C	
NTR 457: Sports Nutrition	3	C	
Complete 2 courses: Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 441: Advanced Human Nutrition II	3	C	<ul style="list-style-type: none"> <li>• Gather professional <b>references</b>.</li> </ul>
 NTR 444: Medical Nutrition Therapy II	3	C	
MIC 205: Microbiology (SG) or MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	
NTR 448: Community Nutrition (L)	3	C	
Upper Division Elective	2		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 446: Medical Nutrition Therapy III	4	C	<ul style="list-style-type: none"> <li>• Apply for full-time <b>career opportunities</b>.</li> </ul>
NTR 450: Nutrition in the Life Cycle I (SB)	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Public Health, BS






School/College: [College of Health Solutions](#)



Location: [Downtown Phoenix campus](#)

NHPBHBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 CHS 101: The ASU Experience for Health Solutions Students	1		
 POP 100: Introduction to Population Health	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA)	3	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300 instead.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> </ul>
 EXW 102: Principles and Foundations of Health Education and Health Promotion	3	C	
 PBH 201: Economics for Health Majors OR ECN 211: Macroeconomic Principles (SB)	3	C	
Complete 2 courses: Elective	5		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCD 210: Cultural Aspects of Health (C)	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience</li> </ul>
ASB 100: Introduction to Global Health (SB & G)	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Literacy and Critical Inquiry (L)	3		

Elective	3
Term hours subtotal: 15	

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 300: Biostatistics (CS)	3	C	<ul style="list-style-type: none"> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b></li> </ul>
HCD 310: Health Communication	3	C	
HCD 320: Applied Medical/Health Care Ethics (HU)	3	C	
HCD 330: Health Care Systems in the U.S.	3	C	
Elective	3		
Term hours subtotal: 15			

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 444: Epidemiology	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b></li> </ul>
EXW 340: Health Behavior Theory	3	C	
EXW 450: Social Determinants of Health and Health Behavior (L or SB) & C)	3	C	
HCD 332: Health Care Legislation	3	C	
Elective	3		
Term hours subtotal: 15			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 454: Health Promotion Program Planning and Implementation	3	C	<ul style="list-style-type: none"> <li>Research employment opportunities</li> <li>For the 2019-20 catalog, POP 444 fills the college's experiential translational research requirement.</li> </ul>
★ HCD 400: Interpreting the Scientific Literature	3	C	
★ PBH 422: Health Disparities and Access to Health	3	C	
★ PBH 435: Environmental and Occupational Health	3	C	
★ POP 444: Population Health Field Experience	3	C	
Term hours subtotal: 15			

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 456: Health Promotion Program Evaluation	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b></li> </ul>
HCD 302: Health Care Management	3	C	
POP 444: Population Health Field Experience OR Upper Division Elective	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal: 15			

Hide Course List(s)/Track Group(s)

Total Hours: 120

General University Requirements Legend



**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Science of Health Care Delivery, BS




School/College: College of Health Solutions



Location: Downtown Phoenix campus

NHHCDBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> <li>• Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students	3	C	
MAT 117: College Algebra (MA)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POP 100: Introduction to Population Health	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> <li>• Create a first draft <b>resume</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students	3	C	
PHI 101: Introduction to Philosophy (HU)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCD 210: Cultural Aspects of Health (C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
<i>Complete 3 courses:</i> Elective	9		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
PBH 201: Economics for Health Majors	3	C	
<i>Complete 3 courses:</i> Elective	9		

Term hours subtotal: 15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 300: Biostatistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Update your <b>resume</b></li> </ul>
HCD 310: Health Communication	3	C	
HCD 320: Applied Medical/Health Care Ethics (HU)	3	C	
HCD 340: Complementary Health Care	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 303: Global Health Care Systems (G)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
HCD 302: Health Care Management	3	C	
HCD 330: Health Care Systems in the U.S.	3	C	
HCD OR MED OR PBH Upper Division Elective	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 332: Health Care Legislation	3	C	<ul style="list-style-type: none"> <li>• Students must have a minimum 2.00 cumulative ASU GPA in order to take the HCD 484 internship in term 8.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
★ HCD 402: Health Economics	3	C	
★ IBC 420: Population Health Management	3	C	
HCD 401: Leadership and Professionalism	3	C	
MED 300: Historical and Contemporary Issues in Health (L)	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 404: Advanced Concepts in the Science of Health Care Delivery	3	C	
HCD 403: Process Engineering	3	C	
HCD 484: Internship	3	C	
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Speech and Hearing Science, BS





School/College: College of Health Solutions

Location: Tempe campus

LASHSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>Students who do not test into MAT 170 should take MAT 117 for the elective in term 1</li> <li>Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 PSY 101: Introduction to Psychology (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS)	3	C	
 SHS 205: Exploring Communication Disorders in Children and Adults	3	C	
Complete 2 courses: Elective	6		
Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Students who are pursuing the SPLA certificate and who will complete an internship in term 8 need not complete the CHS 294 or CHS 484 in term 4. These students may take a general elective in its place.</li> </ul>
⚠ SHS 250: Introduction to Phonetics	3	C	
CHS 294: Community Health and Translational Research OR CHS 484: Internship	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SHS 310: Anatomical and Physiological Bases of Speech	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ SHS 311: Hearing Science	3	C	
ENG 301: Writing for the Professions (L)	3	C	
SHS 367: Language Science (SB)	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SHS 375: Speech Science	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ SHS 401: Principles of Audiology	3	C	
SHS 465: Speech and Language Acquisition (SB)	3	C	
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes	
★ SHS 470: Developmental Speech and Language Disorders	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>	
SHS 496: Aural Rehabilitation	3	C		
Complete 2 courses: Upper Division Elective	6			
Elective	3			
Term hours subtotal:	15			

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes	
★ SHS 485: Acquired Speech and Language Disorders	3	C	<ul style="list-style-type: none"> <li>• Enrollment in SHS 484 is restricted to students formally admitted to the SLPA program. Department consent is provided when admitted students attend the mandatory SLPA orientation.</li> </ul>	
SHS 402: Clinical Methods and Treatment of Communication Disorders	3	C		
Upper Division Elective OR SHS 484: Internship	3			
Upper Division Elective	3			
Term hours subtotal:	12			

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Speech and Hearing Science, BS

School/College: [College of Health Solutions](#)

Location: [Online](#)

LASHSBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Students who do not test into MAT 170 should take MAT 117 for the elective in term 1</li> <li>• Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300.</li> </ul>
CHS 100: Designing Your Well-Being (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS)	3	C	
 SHS 205: Exploring Communication Disorders in Children and Adults	3	C	



❗ Complete First-Year Composition requirement.

Maintain 2.80 GPA in Critical Tracking Courses.

Term hours subtotal: 6

Term 3 - B 31 - 38 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)

4 C

Elective 3

❗ Complete Mathematics (MA) requirement.

Maintain 2.80 GPA in Critical Tracking Courses.

Term hours subtotal: 7

Term 4 - A 38 - 45 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics Laboratory (SQ) AND PHY 113: General Physics Laboratory (SQ)

4 C

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Maintain 2.80 GPA in Critical Tracking Courses.

Term hours subtotal: 7

• Create a first draft resume.

Term 4 - B 45 - 51 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ SHS 250: Introduction to Phonetics

3 C

Literacy and Critical Inquiry (L) 3

Maintain 2.80 GPA in Critical Tracking Courses.

Term hours subtotal: 6

Term 5 - A 51 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 310: Anatomical and Physiological Bases of Speech

3 C

CHS 294: Community Health and Translational Research OR CHS 484: Internship 3 C

Term hours subtotal: 6

Term 5 - B 57 - 63 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 311: Hearing Science

3 C

ENG 301: Writing for the Professions (L) 3 C

Term hours subtotal: 6

• Use Handshake to research employment opportunities

Term 6 - A 63 - 69 Credit Hours	Hours	Minimum Grade	Notes
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SHS 367: Language Science (SB) 3 C

Elective 3

Term hours subtotal: 6

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 375: Speech Science

3 C

Elective 3

• Complete an in person or virtual practice interview.

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 401: Principles of Audiology	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 465: Speech and Language Acquisition (SB)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 470: Developmental Speech and Language Disorders	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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SHS 496: Aural Rehabilitation	3	C	• Gather professional references.
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 485: Acquired Speech and Language Disorders	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 402: Clinical Methods and Treatment of Communication Disorders	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map




### Sports Science and Performance Programming, BS



School/College: College of Health Solutions

Location: Downtown Phoenix campus

NHSPTSPPBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 KIN 101: Introduction to Kinesiology	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Students interested in pursuing graduate school should take a higher level math in term 1 (or later as an elective for those placing into MAT 117 in term 1).</li> <li>• Students who enter the major as freshmen must complete CHS 100; students who enter the major with more than 45 hours may complete CHS 300 instead.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: The Science of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		
Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA)	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Complete ENG 101 or ENG 105 or ENG 107 course(s)	0		
Term hours subtotal:	15		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Become a student member of a professional organization.</li> </ul>
EXW 215: Resistance Training and Recovery Instructional Laboratory	3	C	
NTR 241: Human Nutrition	3	C	
STP 226: Elements of Statistics (CS) OR PSY 230: Introduction to Statistics (CS)	3	C	
Elective	3		
 Complete Mathematics (MA) requirement	0		
Term hours subtotal:	16		

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	• Explore an <b>internship</b>
 KIN 290: Introduction to Evidence-Based Practice (L)	3	C	
EXW 217: Fitness and Flexibility Instructional Laboratory	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 5 61 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EXW 315: Physiological Foundations of Movement AND EXW 316: Physiological Foundations of Movement Laboratory	4	C	• Develop your <b>professional online presence</b> . • Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> .
KIN 348: Psychological Skills for Optimal Performance (SB)	3	C	
Upper Division Major Electives	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	16		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SSP 325: Applied Anatomy and Biomechanics of Sport and Movement	4	C	• Gather <b>professional references</b> .
Upper Division Major Electives	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SSP 423: Performance Testing and Technology	3	C	
SSP 434: Sports Movement and Conditioning	3	C	
Upper Division Major Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SSP 484: Internship	3	C	
Complete 2 courses: Upper Division Major Electives	6	C	
Upper Division Elective	1		
Elective	2		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Major Electives

CHS 394: CHS Peer Instructional Facilitator

EXW 320: Management and Leadership in Exercise and Wellness

EXW 442: Motivational Interviewing

EXW 499: Individualized Instruction

KIN 415: Theory of Corrective Exercise

KIN 441: Physiology of Women in Sport (L)

NTR 457: Sports Nutrition

SSP 460: Resistance Training Application and Theory

SSP 461: Plyometrics and Power Training

SSP 484: Internship

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Applied Biological Sciences (Applied Biological Sciences), BS




School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus

TSABSABS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 2 14 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 28 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence. All other students will complete PHY 101 and elective hours.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Applied Biological Sciences Track	3	C	
Humanities, Arts and Design (HU)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 42 - 58 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	<ul style="list-style-type: none"> <li>• Students considering graduate school or health professions should complete the following: CHM 233 and CHM 237, and CHM 234 and CHM 238 (instead of CHM 231 and CHM 235).</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses:			

Elective	6
Term hours subtotal:	16

- Students considering graduate school or health professions should complete PHY 112 and 114 in term 4 as part of their electives.

Term 5 58 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 370: Ecology	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>• Students considering graduate school or health professions should complete CHM 234 and CHM 238 as part of their electives in this term.</li> </ul>
Applied Biological Sciences Track	3	C	
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) OR Upper Division Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete 2 courses:	7		
Elective			
Term hours subtotal:	16		

Term 6 74 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 360: Animal Physiology OR ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Applied Biological Sciences Track	3	C	
Global Awareness (G)	3		
Elective	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	13		

Term 7 87 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
★ ABS 490: Applied Biological Sciences Seminar	1	C	
★ BIO 340: General Genetics	4	C	
★ Upper Division Applied Biological Sciences Track	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	17		

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:	6	C	
Upper Division Applied Biological Sciences Track			
Complete 3 courses:	10		
Upper Division Elective			
Term hours subtotal:	16		

- Students select one of two Applied Biological Sciences Tracks and complete 18 hours from within that track.

Hide Course List(s)/Track Group(s)



Applied Biological Sciences Health Track	Applied Biological Sciences General Biology Track
ABS 302: Ethical and Policy Issues in Biology	ABS Elective
ABS 312: Structure and Function	BIO Elective
ABS 318: Unseen Life on Earth	BCH Elective
ABS 355: Ecology and Adaptations of Vertebrates	MIC Elective
ABS 394: Food and Human Health	
ABS 394: Medicine and Culture	
ABS 417: Comparative Immunology	
ABS 484: Internship	
ABS 494: Anatomy Practicum	
ABS 494: Emerging Infections & Epidemics	
ABS 494: Natural Products & Drug Discovery	
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	
BIO 201: Human Anatomy and Physiology I (SG)	
BIO 202: Human Anatomy and Physiology II (SG)	
BIO 351: Developmental Biology	
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	
SPA 294: Intermediate Spanish for Health Professionals	

**Notes:**

- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Applied Biological Sciences (Natural Resource Ecology), BS





School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus

LSABSNRBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 2 14 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 28 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ABS 274: Introduction to Wildlife Management OR ABS 225: Soils (SQ) AND ABS 226: Soils Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students in the Wildlife Track should take ABS 274. Students in the Rangelands/Watershed Track should take ABS 225/226.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	17		

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ABS 207: Applied Plant Taxonomy	3	C	<ul style="list-style-type: none"> <li>• Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All other students will complete CHM 231/235.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Cultural Diversity in the U.S. (C)	3		

Global Awareness (G)	3
Literacy and Critical Inquiry (L)	3
Term hours subtotal:	16

Term 5 61 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 350: Applied Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students will complete PHY 101.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ ABS 370: Ecology	3	C	
★ Upper Division Natural Resource Ecology Track	3	C	
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 355: Ecology and Adaptations of Vertebrates OR ABS 430: Watershed Management	3	C	<ul style="list-style-type: none"> <li>Students in the Wildlife Track should take ABS 355. Students in the Rangelands/Watershed Track should take ABS 430.</li> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
★ BIO 360: Animal Physiology OR ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology	3	C	
Upper Division Natural Resource Ecology Track	3	C	
Natural Resource Ecology Track	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 490: Applied Biological Sciences Seminar	1	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for full-time career opportunities.</li> </ul>
★ BIO 340: General Genetics	4	C	
★ Upper Division Natural Resource Ecology Track	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 479: Ecosystem Management and Planning (L)	3	C	
Upper Division Elective OR ABS 484: Internship	3		
Upper Division Elective	4		
Elective	4		
Term hours subtotal:	14		

- Students select one of three Natural Resource Ecology Tracks and complete 12 hours from within that track.

General Track (12 Credits)	Wildlife Track (12 Credits)	Rangeland and Watershed Track (12 Credits)
ABS 270: Sustainable Biological Systems	ABS 270: Sustainable Biological Systems	ABS 270: Sustainable Biological Systems
ABS 312: Structure and Function	ABS 376: Wildlife Ecology	ABS 368: Plant Propagation
ABS 318: Unseen Life on Earth	ABS 378: Animal Nutrition	ABS 376: Wildlife Ecology
ABS 376: Wildlife Ecology	ABS 384: Natural Resources Measurements	ABS 380: Restoration and Wildlife Plants
ABS 378: Animal Nutrition	ABS 470: Life History of Mammals	ABS 384: Natural Resources Measurements
ABS 380: Restoration and Wildlife Plants	ABS 472: Applied Herpetology	ABS 434: Soil Ecology
ABS 384: Natural Resources Measurements	ABS 473: Applied Ornithology	ABS 440: Ecological Restoration Techniques
ABS 417: Comparative Immunology	ABS 475: Habitat Management for Small Wildlife	ABS 441: Ecological Restoration Practicum
ABS 434: Soil Ecology	ABS 476: Big Game Habitat Management	ABS 474: Riparian Ecosystem Management
ABS 440: Ecological Restoration Techniques	ABS 485: GIS in Natural Resources	ABS 476: Big Game Habitat Management
ABS 441: Ecological Restoration Practicum AND ABS 470: Life History of Mammals	ABS 486: Introduction to Remote Sensing	ABS 481: Riparian and Wetland Restoration
ABS 472: Applied Herpetology	ABS 494: Applied Populations and Habitat Ecology	ABS 485: GIS in Natural Resources
ABS 473: Applied Ornithology	ABS 494: Emerging Infections & Epidemics	ABS 486: Introduction to Remote Sensing
ABS 474: Riparian Ecosystem Management		ABS 494: Applied Populations and Habitat Ecology
ABS 485: GIS in Natural Resources		ABS 494: Rangeland Ecosystem Management
ABS 486: Introduction to Remote Sensing		
ABS 489: Undergraduate Research		
ABS 494: Applied Populations and Habitat Ecology		
ABS 494: Emerging Infections & Epidemics		

**Notes:**

- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Applied Biological Sciences (Preveterinary Medicine), BS






School/College: College of Integrative Sciences and Arts




Location: Polytechnic campus

LSABSPMBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ABS 271: Veterinary Medicine Today	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	17		

Term 4 48 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
 PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		

Social-Behavioral Sciences (SB) 3

Term hours subtotal: 14

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 370: Ecology	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ BIO 360: Animal Physiology OR ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology	3	C	
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Upper Division Pre-Veterinary Elective	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 355: Ecology and Adaptations of Vertebrates	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
★ BIO 340: General Genetics	4	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Upper Division Pre-Veterinary Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 490: Applied Biological Sciences Seminar	1	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> </ul>
★ BCH 361: Advanced Principles of Biochemistry	3	C	
★ BCH 367: Elementary Biochemistry Laboratory	1	C	
ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 378: Animal Nutrition	3	C	
Complete 2 courses:			
Upper Division Pre-Veterinary Elective	6	C	
Upper Division Elective OR ABS 484: Internship	3		
Elective	2		
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Pre-Veterinary Electives (12 Hours Required)



ABS 302: Ethical and Policy Issues in Biology

ABS 312: Structure and Function

ABS 318: Unseen Life on Earth

ABS 372: Captive Animal Behavior  
Management

ABS 376: Wildlife Ecology

ABS 394: Introduction to Equine Science

ABS 417: Comparative Immunology

ABS 470: Life History of Mammals

ABS 472: Applied Herpetology

ABS 473: Applied Ornithology

ABS 484: Internship

ABS 494: Anatomy Practicum

ABS 494: Emerging Infections & Epidemics

**Notes:**

- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Applied Biological Sciences (Secondary Education in Biology), BS

School/College: [College of Integrative Sciences and Arts](#)



Location: [Polytechnic campus](#)

TSABSSBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Historical Awareness (H)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students will complete PHY 101.</li> <li>• Apply for Identity Verified Print (IVP) DPS <b>Fingerprint Clearance Card</b>.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) ( GCU 113 recommended)	3		

Milestone: Complete online Intent to Progress form (meet with advisor).

Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.

Term hours subtotal: 16

Term 5 61 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 350: Applied Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All other students will complete CHM 231/235.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>Meet with a Mary Lou Fulton Teachers College Advisor about Secondary Education requirements.</li> </ul>
★ ABS 370: Ecology	3	C	
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
SED 396: Clinical Experience I	1		
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 78 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>Meet with a Mary Lou Fulton Teachers College Advisor about Secondary Education requirements.</li> </ul>
★ BLE 407: SEI for Secondary Students (L)	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
ABS 207: Applied Plant Taxonomy OR ABS 355: Ecology and Adaptations of Vertebrates OR BCH 361: Advanced Principles of Biochemistry	3		
BIO 480: Methods of Teaching Biology OR SED 403: Secondary Principles, Curriculum and Methods	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 7 95 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 490: Applied Biological Sciences Seminar	1	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for <a href="#">full-time career opportunities</a>.</li> <li>Meet with a Mary Lou Fulton Teachers College Advisor about Secondary Education requirements.</li> </ul>
★ BIO 360: Animal Physiology OR ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology	3	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	C	
Elective	2		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Minimum

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

**Notes:**

- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Applied Biological Sciences (Sustainable Horticulture), BS




School/College: College of Integrative Sciences and Arts




Location: Polytechnic campus

TSABSUBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 2 14 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students will complete PHY 101.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 28 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 44 - 58 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ABS 260: Fundamentals of Sustainable Horticulture (SG)	4	C	
 CHM 116: General Chemistry II (SQ)	4	C	
Sustainable Horticulture Elective	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 5 58 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 363: Sustainable Landscape Practice	4	C	<ul style="list-style-type: none"> <li>• Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All other students will complete CHM 231/235.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ ABS 370: Ecology	3	C	
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Global Awareness (G)	3		
Upper Division Elective	3		
Term hours subtotal:	17		

Term 6 75 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 368: Plant Propagation	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
★ BIO 340: General Genetics	4	C	
ABS 362: Landscape Plants and Design	4	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 89 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 350: Applied Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
★ ABS 464: Desert Horticulture	3	C	
BIO 360: Animal Physiology OR ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology OR BIO 353: Cell Biology	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 490: Applied Biological Sciences Seminar	1	C	
★ Upper Division Sustainable Horticulture Elective	3	C	
Complete 2 courses: Upper Division Elective	5		
Complete 2 courses: Elective	7		
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

Sustainable Horticulture Elective

ABS 225: Soils (SQ)

ABS 318: Unseen Life on Earth

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ABS 364: Urban Forestry

---

ABS 460: Organic Gardening

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ABS 462: Greenhouse/Nursery Management

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ABS 484: Internship

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition





General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map Applied Mathematics, BS




School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSMATBS




Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13-14		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students will choose one of the following science course sequences to complete: BIO 181 and BIO 182 OR CHM 113 and CHM 116 OR CHM 114 and CHM 116 OR CHM 117 and CHM 118 OR PHY 121/122 and PHY 131/132.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 MAT 266: Calculus for Engineers II (MA) OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	
BIO 181: General Biology I (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ) OR CHM 117: General Chemistry for Majors I (SQ) OR PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG) OR CHM 116: General Chemistry II (SQ) OR CHM 118: General Chemistry for Majors II (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students will choose one of the following science course sequences to complete: BIO 181 and BIO 182 OR CHM 113 and CHM 116 OR CHM 114 and CHM 116 OR CHM 117 and CHM 118 OR PHY 121/122 and PHY 131/132.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 MAT 267: Calculus for Engineers III (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)	3-4	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16-17		

		Minimum	
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Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 MAT 243: Discrete Mathematical Structures	3	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 343: Applied Linear Algebra	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
 STP 420: Introductory Applied Statistics (CS)	3	C	
Upper Division STEM Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Applied Mathematics Elective	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
Applied Mathematics Elective	3	C	
Upper Division STEM Elective	3	C	
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 495: Undergraduate Research	3	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> </ul>
 Upper Division Applied Mathematics Elective	3	C	
Upper Division STEM Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Applied Mathematics Elective	3	C	
Upper Division Elective OR MAT 484: Internship	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- Upper Division STEM Electives should be selected in consultation with a College of Integrative Sciences and Arts advisor.
- Students must complete a minimum of 12 credit hours of MAT courses offered by the College of Integrative Sciences and Arts. Six of these 12 credits must be upper division.

Hide Course List(s)/Track Group(s)

Applied Mathematics Electives	Upper Division STEM Electives
MAT 300: Mathematical Structures (L)	ABS Upper Division Elective
MAT 310: Introduction to Geometry	BIO Upper Division Elective
MAT 350: Techniques and Applications of Applied Mathematics	CHM Upper Division Elective
MAT 450: Mathematical Models in Biology	CSE Upper Division Elective
MAT 452: Introduction to Chaos and Nonlinear Dynamics	EGR Upper Division Elective
MAT 494: Special Topics	ERM Upper Division Elective
MAT 499: Individualized Instruction	GIT Upper Division Elective
PHY 201: Mathematical Methods in Physics I (CS)	IFT Upper Division Elective
PHY 302: Mathematical Methods in Physics II	PHY Upper Division Elective
STP 421: Probability	SER Upper Division Elective
	STP Upper Division Elective

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Applied Physics, BS




School/College: College of Integrative Sciences and Arts




Location: Polytechnic campus

LSAPHYBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13		

Term 2 13 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 28 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 201: Mathematical Methods in Physics I (CS)	3	C	
 PHY 252: Physics III (SQ)	4	C	
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ PHY 314: Quantum Physics I	3	C	
Upper Division Applied Physics Electives	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 315: Quantum Physics II	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Applied Physics Electives	3	C	
Complete 3 courses: Elective	9		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 331: Principles of Modern Electromagnetism	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
★ PHY 416: Quantum Physics III	3	C	
PHY 361: Introductory Modern Physics	3	C	
Upper Division Applied Physics Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 444: Fundamentals of Nanoscience	3	C	
PHY 499: Individualized Instruction	3	C	
Upper Division Elective OR PHY 484: Internship	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Applied Physics Electives (Complete 9 Credit Hours)

MAT 343: Applied Linear Algebra

PHY 321: Vector Mechanics and Vibration

PHY 333: Electronic Circuits and Measurements

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PHY 456: Laser Optics

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PHY 460: Numerical Methods in Modern  
Physics

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PHY 495: Project Research

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STP 420: Introductory Applied Statistics (CS)

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**Notes:**

- Students must complete a minimum of 12 credit hours of PHY courses offered by the College of Integrative Sciences and Arts. At least six of these 12 credits must be upper-division.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Applied Quantitative Science, BS



School/College: [College of Integrative Sciences and Arts](#)




Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

LSAQSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3		<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Statistics	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Major Requirement <b>Course List Options</b>.</li> </ul>
Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Data Skills	3	C	<ul style="list-style-type: none"> <li>• Major Requirement <b>Course List Options</b>.</li> </ul>
 Technical/Professional Communication	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

Term hours subtotal: 16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Statistics	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>• Major Requirement <a href="#">Course List Options</a>.</li> </ul>
Complete 2 courses: Upper Division Major Electives	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Major Electives	6	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Major Requirement <a href="#">Course List Options</a></li> </ul>
Complete 3 courses: Elective	9		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Major Electives	6	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> <li>• Major Requirement <a href="#">Course List Options</a>.</li> </ul>
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Capstone/Project	3	C	<ul style="list-style-type: none"> <li>• Major Requirement <a href="#">Course List Options</a>.</li> </ul>
Upper Division Major Electives	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- This degree is only available as a concurrent degree at the Downtown Phoenix, Tempe and West campuses. Students choosing this major as a concurrent degree with another ASU major will only require 9 credits of major electives, resulting in 24 total credits in this major. Students should contact their academic advisor in their current major to begin the process to add this major as a concurrent degree option.
- Major Requirement Course list options can be found on the College of Integrative Sciences and Arts website: [cisa.asu.edu/applied-quantitative-sciences-degree-courses-list](https://cisa.asu.edu/applied-quantitative-sciences-degree-courses-list)

Hide Course List(s)/Track Group(s)

Total Hours: 120

General University Requirements Legend

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Applied Science (Applied Leadership), BAS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#), [ASU@Cochise](#), [ASU@Pima](#), [ASU@Pinal](#), [ASU@The Gila Valley](#), [ASU@Yavapai](#)

LSALSBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
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AAS Degree Transfer Block

60

Term hours subtotal:

60

- Students may meet lower division general studies requirements with the AAS degree.
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OGL 300: Theory and Practice of Leadership

3

C

★ OGL 345: Organizational Ethics (HU)

3

C

OGL 340: Special Topics

3

C

OGL 340: Special Topics

3

C

Any needed lower division General Studies requirement OR Elective

3

Term hours subtotal:

15

- Complete two courses of OGL 340 in this term.
- Build your professional connections -- join the [ASU Mentor Network](#)

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OGL 320: Foundations of Project Management

3

C

★ OGL 350: Diversity and Organizations (L & C)

3

C

OGL 340: Special Topics

3

C

OGL 343: Social Processes in Organizations (SB) OR OGL 357: Assessment in Organizations

3

C

Any needed lower division General Studies requirement OR Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal:

15

- Use Handshake to research [employment opportunities](#).

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OGL 355: Leading Organizational Innovation and Change

3

C

OGL 340: Special Topics

3

C

OGL 340: Special Topics

3

C

OGL 365: Organizational Contexts (SB) OR OGL 321: Project Leadership, Strategy and Scope

3

C

Any needed lower division General Studies requirement OR Elective

3

Term hours subtotal:

15

- Complete two courses of OGL 340 in this term.
- Gather [professional references](#).
- Apply for [full-time career opportunities](#).

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	
★ OGL 482: Organizational Leadership Pro-Seminar II	3	C	
OGL 340: Special Topics	3	C	
<i>Complete 2 courses:</i>			
Any needed lower division General Studies requirement OR <b>Elective</b>	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Applied Leadership), BAS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Online](#)

LSALSBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Degree Transfer Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term 5 - A 60 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 300: Theory and Practice of Leadership	3	C	
OGL 340: Organizational Skills	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		
Term 5 - B 69 - 78 Credit Hours	Hours	Minimum Grade	Notes
OGL 340: Organizational Skills	3	C	
OGL 343: Social Processes in Organizations (SB) OR OGL 357: Assessment in Organizations	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Term 6 - A 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 350: Diversity and Organizations (L & C)	3	C	
OGL 340: Organizational Skills	3	C	
Term hours subtotal:	6		
Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 355: Leading Organizational Innovation and Change	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 345: Organizational Ethics (HU)	3	C	
OGL 340: Organizational Skills	3	C	

Any needed lower division General Studies requirement OR Elective	3
Term hours subtotal:	9

Term 7 - B 99 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 320: Foundations of Project Management	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
OGL 340: Organizational Skills	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		

Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	
OGL 365: Organizational Contexts (SB) OR OGL 321: Project Leadership, Strategy and Scope	3	C	
Term hours subtotal:	6		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 482: Organizational Leadership Pro-Seminar II	3	C	
OGL 340: Organizational Skills	3	C	
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Technical Communication), BAS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#)

LSTECBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
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AAS Degree Transfer Block

60

Term hours subtotal:

60

- Students may meet lower division general studies requirements with the AAS degree.
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TWC 301: Fundamentals of Writing for Digital Media (L)

3

C

★ TWC 347: Written Communication for Managers (L)

3

C

★ TWC 401: Fundamentals of Technical Communication (L)

3

C

MAT 142: College Mathematics (MA)

3

Any needed lower division General Studies requirement OR Elective

3

Term hours subtotal:

15

- Build your professional connections -- join the [ASU Mentor Network](#)

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TWC 421: Principles of Web Authoring (L)

3

C

★ TWC 431: Principles of Technical Editing

3

C

STP 420: Introductory Applied Statistics (CS)

3

C

Upper Division Elective

3

C

Any needed lower division General Studies requirement OR Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal:

15

- Use Handshake to research [employment opportunities](#).

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TWC 411: Principles of Visual Communication (L)

3

C

TWC 443: Grant & Proposal Writing OR TWC 444: User Experience  
OR TWC 445: Content Strategy OR TWC 446: Technical and  
Scientific Reports (L)

3

C

Complete 2 courses:

TWC Upper Division Elective

6

C

Any needed lower division General Studies requirement OR Elective

3

Term hours subtotal:

15

- Gather [professional references](#).
- Apply for [full-time career opportunities](#).

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	
TWC 451: Copyright and Intellectual Property in the Electronic Age OR TWC 452: Information in the Digital Age OR TWC 453: Information and Communications Technology in American History (L & H) OR TWC 454: Information Technology and Culture (C)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:










- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Communication, BA

School/College: [College of Integrative Sciences and Arts](#)  
 Location: [Downtown Phoenix campus](#), [Polytechnic campus](#)  
 LSCOMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
ASU 101-UC: The ASU Experience	1		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Language and Cultures: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * OR Completion of COM 263 AND COM 371.	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement. Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 4 47 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

COM 225: Public Speaking (L)	3	C
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Complete 2 courses: Elective	7	
Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	14	

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 308: Advanced Research Methods in Communication (L)	3	C	<ul style="list-style-type: none"> <li>• Student must select one of three Communication Concentration options and take all concentration courses within the same concentration. Nine of the 18 concentration area credit hours must be COM prefix courses.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ Upper Division Concentration Course	3	C	
COM Upper Division Elective	3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * OR Completion of COM 263 AND COM 371.	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Concentration Course	6	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Global Awareness (G)	3		
Upper Division Elective	3		
Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
COM Upper Division Elective	3	C	
Historical Awareness (H)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Concentration Course	6	C	
COM Upper Division Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		



- Student must select one of three Communication Concentration options and take all concentration courses within the same concentration. Nine of the 18 concentration area credit hours must be COM prefix courses.

Hide Course List(s)/Track Group(s)

Communication and Culture Concentration Courses	Law and Community Advocacy Concentration Courses	Communication, Technology and Society Concentration Courses
ASB 463: Political Ecology of the Border (SB & G)	COM 312: Communication, Conflict, and Negotiation	COM 319: Persuasion and Social Influence (SB)
COM 316: Gender and Communication (SB & C)	COM 316: Gender and Communication (SB & C)	COM 320: Communication and Consumerism (SB)
COM 323: Communication Approaches to Popular Culture (C)	COM 319: Persuasion and Social Influence (SB)	COM 323: Communication Approaches to Popular Culture (C)
COM 363: Latinxs and the Media	COM 320: Communication and Consumerism (SB)	COM 394: Communication in the Electronic Age
COM 364: Cultural Communicology	COM 321: Rhetorical Theory and Research ((L or HU) & H)	COM 420: Rhetoric and Community Advocacy
COM 371: Language, Culture, and Communication (SB & C & G)	COM 323: Communication Approaches to Popular Culture (C)	COM 421: Rhetoric of Social Issues (HU)
COM 420: Rhetoric and Community Advocacy	COM 326: Court Room Oratory	COM 422: Advanced Argumentation (L)
COM 428: Graphic Novels and Popular Culture (HU)	COM 341: Social Contexts for Performance	COM 428: Graphic Novels and Popular Culture (HU)
COM 463: Intercultural Communication in a Global Context (SB & G)	COM 420: Rhetoric and Community Advocacy	COM 467: Digital Rhetoric
COM 464: Communicative Sexualities (SB)	COM 421: Rhetoric of Social Issues (HU)	COM 484: Internship
COM 484: Internship	COM 422: Advanced Argumentation (L)	MCO 418: History of Mass Communication (SB & H)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	COM 426: Political Communication (SB)	MCO 450: Visual Communication (HU)
ENG 317: Cross-Cultural Writing ((L or HU) & G)	COM 428: Graphic Novels and Popular Culture (HU)	MCO 456: Political Communication (SB)
HST 314: American Cultural History Since 1865 ((HU or SB) & H)	COM 467: Digital Rhetoric	MCO 460: Race, Gender, and Media (C)
JUS 432: Racial Justice (L)	COM 484: Internship	SOC 374: Cultures and Politics of the Internet (SB)
MCO 460: Race, Gender, and Media (C)	CRJ 305: Gender, Crime, and Criminal Justice (C)	STS 330: Information Technology and Globalization (SB & G)
PHI 306: Applied Ethics (HU)	CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	STS 425: Law, Values, Science, and Technology (SB)
POS 350: Comparative Politics (SB & G)	MCO 456: Political Communication (SB)	TWC 301: Fundamentals of Writing for Digital Media (L)
POS 435: Women and Politics (SB & C)	PHI 306: Applied Ethics (HU)	TWC 411: Principles of Visual Communication (L)
	POS 346: Problems of Democracy (HU)	TWC 452: Information in the Digital Age
	POS 370: Law and Society (SB)	TWC 453: Information and Communications Technology in American History (L & H)
	POS 435: Women and Politics (SB & C)	
	POS 442: American Political Thought (HU)	

WST 375: Women and Social Change (SB & C)

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**Notes:**

- Students must complete a minimum of 12 upper division credit hours of COM courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Counseling and Applied Psychological Science, BS

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSCAPSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 120: Introduction to Counseling (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 220: Self in a Multicultural Society (C)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 PSY 230: Introduction to Statistics (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 240: Counseling Skills	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
PSY 290: Research Methods (L or SG)	4	C	
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Elective	2		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ABS OR BIO OR MIC course (SQ) OR ABS OR BIO OR MIC course (SG)	4	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:	6		
Elective			

Term hours subtotal: 16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CAP 310: Addictions I: Foundations and Basic Principles	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the ASU Mentor Network</li> </ul>
CED 250: Career Development (L)	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CAP 320: Theories of Counseling and Psychotherapy	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Counseling and Applied Psychological Sciences A Course	3	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> </ul>
★ Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CAP 484: Internship	3	C	
Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Counseling and Applied Psychological Sciences A Courses	Counseling and Applied Psychological Sciences B Courses
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CAP 315: Trauma and Crisis Intervention	FAS 331: Marriage and Family Relationships (SB)
CAP 325: Professional Practice and Ethics in Counseling	FAS 370: Family Ethnic and Cultural Diversity (SB & C)
CAP 330: Group Counseling	PSY 315: Personality Theory and Research (SB)
CAP 340: Multicultural Counseling Theory and Practice	PSY 320: Learning and Motivation
CAP 342: Community Outreach, Prevention and Intervention	PSY 323: Sensation and Perception
CAP 400: Advanced Counseling Research Methods	PSY 324: Memory and Cognition
CAP 420: School Counseling	PSY 325: Physiological Psychology
CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention	PSY 330: Statistical Methods (CS)
JUS 305: Principles of Justice Studies (SB)	PSY 341: Developmental Psychology (SB)
	PSY 350: Social Psychology (SB)
	PSY 369: Biology of Human Sexuality
	PSY 370: Interpersonal Relationships (SB)
	PSY 385: Psychology of Gender (SB)
	PSY 399: Supervised Research
	PSY 425: Biological Bases of Behavior (L)
	PSY 444: Adolescent Psychology and Psychopathology
	PSY 447: Psychology of Aging (SB)
	PSY 465: Psychology of Stress and Coping
	PSY 470: Psychopharmacology
	PSY 472: Clinical Psychology
	PSY 499: Individualized Instruction
	SOC 315: Courtship and Marriage (SB)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### English, BA

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSENGBA

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>• ENG 200-level literature course is a recommended pre-requisite to upper division ENG courses.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
2** ENG Literature Course	3	C	
ENG Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		
Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Rhetoric, Writing and Linguistics Course	3	C	
Literature and Culture Before 1800 Course	3	C	
Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Ethnicity, Gender and Environment Course	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Complete 2 courses:	6	C	
ENG Elective			
Upper Division Elective	3		
Elective	3		

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Literature and Culture After 1800 Course	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Complete 2 courses:	6	C	
ENG Elective			
Complete 2 courses:	6		
Upper Division Elective			

Maintain 2.00 GPA in Major Courses.

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses:	9		
Upper Division Elective			
Maintain 2.00 GPA in Major Courses.			

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 498: Pro-Seminar (L)	3	C	<ul style="list-style-type: none"> <li>Students in the Barrett Honors College may take ENG 493: Honors Thesis in place of ENG 498: Pro-Seminar.</li> </ul>
Complete 2 courses:	6	C	
ENG Upper Division Elective			
Upper Division Elective OR ENG 484: Internship	3		
Upper Division Elective	3		

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

2** ENG Literature Course	Literature and Culture Before 1800	Literature and Culture After 1800
ENG 204: Narrative and Medicine (HU)	ENG 201: World Literature (HU & H & G)	ENG 320: Medievalism in Modern Culture



ENG 222: Survey of English Literature (HU & H)	ENG 202: World Literature (HU & H)	ENG 335: American Poetry
ENG 242: Literatures of the United States, 1860 to Present (HU)	ENG 221: Survey of English Literature (HU)	ENG 337: Major American Novels (L or HU)
	ENG 241: Literatures of the United States to 1860 ((L or HU) & C)	ENG 352: Short Story (L or HU)
	ENG 303: Classical Backgrounds of English Literature (HU)	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
	ENG 321: Shakespeare (L or HU)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
	ENG 328: The Novel to Jane Austen (HU & H)	ENG 359: Indigenous American Literature ((L or HU) & C)
		ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)
		ENG 366: Literature on Film
		ENG 367: Environmental Issues in Literature and Film (L or HU)
		ENG 464: Great Directors (L or HU)
		ENG 466: Studies in International Film ((L or HU) & G)
		ENG 467: American Film Musicals (L or HU)
		ENG 471: Literature for Young Adults (HU)

Ethnicity, Gender and Environment	Rhetoric, Writing and Linguistics
ENG 317: Cross-Cultural Writing ((L or HU) & G)	ENG 210: Introduction to Creative Writing
ENG 333: American Ethnic Literature ((L or HU) & C)	ENG 214: English Grammar and Usage
ENG 334: The American Southwest in Literature and Film ((L or HU) & C)	ENG 215: Strategies of Academic Writing (L)
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)	ENG 216: Persuasive Writing on Public Issues (L)
ENG 359: Indigenous American Literature ((L or HU) & C)	ENG 217: Writing Reflective Essays (L)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	ENG 218: Writing About Literature (L or HU)
ENG 364: Women and Literature (HU)	ENG 243: Introduction to Writing Family History (L)
ENG 367: Environmental Issues in Literature and Film (L or HU)	ENG 287: Beginning Creative Writing Workshop in Poetry
ENG 378: Environmental Creative Nonfiction (L or HU)	ENG 288: Beginning Creative Writing Workshop in Fiction
ENG 468: Environmental Literary Criticism (L or HU)	ENG 301: Writing for the Professions (L)
	ENG 310: Intermediate Creative Writing
	ENG 311: Persuasive Writing (L)
	ENG 314: Modern Grammar

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ENG 317: Cross-Cultural Writing ((L or HU) & G)

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ENG 376: Writing a Personal History (L)

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ENG 377: Editing Family History for Public Audiences (L)

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ENG 378: Environmental Creative Nonfiction (L or HU)

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ENG 379: Travel Writing (L)

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ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice

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ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice

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ENG 411: Advanced Creative Writing

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ENG 472: Rhetorical Studies (L)

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**Notes:**

- A minimum of 12 upper division ENG credits must be completed through the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### Exploratory Health and Life Sciences

School/College: [College of Integrative Sciences and Arts](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [Tempe campus](#), [ASU@Lake Havasu](#)  
 UCHSCIEXP

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First Year Seminar required of all Freshmen.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Natural Science - Quantitative (SQ)	4	C	
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
UNI 150: Major and Career Exploration	1	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 UNI 250: Choosing a Major	1	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
UNI 270: Career Direction for a Successful Future	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Elective	1		
Complete Mathematics (MA) requirement. Milestone: Selection of a major.			
Term hours subtotal:	15		

**Notes:**

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.















## 2019 - 2020 Major Map

### Exploratory Health and Life Sciences




School/College: [College of Integrative Sciences and Arts](#)

Location: [Online](#)

UCHSCIEXP

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course.</li> <li>• ASU 101 or college-specific equivalent First Year Seminar required of all freshmen students.</li> <li>• Select your <a href="#">career interest communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 Mathematics (MA)	3	C	
ASU 101-UC: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
 Natural Science - Quantitative (SQ)	4	C	
UNI 150: Major and Career Exploration	1	C	
Term hours subtotal:	8		
Term 2 - A 15 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 UNI 250: Choosing a Major	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	7		
Term 2 - B 22 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
Humanities, Arts and Design (HU)	3		
Elective	1		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	8		
Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		<ul style="list-style-type: none"> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
UNI 270: Career Direction for a Successful Future	1	C	
Literacy and Critical Inquiry (L)	3		

Term hours subtotal: 7

Term 3 - B 37 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
Elective	1		
Complete Mathematics (MA) requirement.			
Milestone: Selection of a major.			
Term hours subtotal:		8	

Hide Course List(s)/Track Group(s)

**Notes:**

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition





General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Exploratory Humanities, Fine Arts and Design

School/College: College of Integrative Sciences and Arts

Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus, ASU@Lake Havasu  
UCHUFAEXPL

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshmen students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Humanities, Arts and Design (HU)	3	C	
ASU 101-UC: The ASU Experience	1		
UNI 150: Major and Career Exploration	1	C	
Mathematics (MA)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 UNI 250: Choosing a Major	1	C	
 Humanities, Arts and Design (HU)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
UNI 270: Career Direction for a Successful Future	1	C	
Global Awareness (G)	3		
Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3	C	
 Complete Mathematics (MA) requirement. Milestone: Selection of a major.			
Term hours subtotal:	17		

Hide Course List(s)/Track Group(s)

**Notes:**

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 48

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.
















## 2019 - 2020 Major Map

### Exploratory Humanities, Fine Arts and Design

School/College: [College of Integrative Sciences and Arts](#)

Location: [Online](#)

UCHUFAEXPL

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course.</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshmen students.</li> <li>• Select your <a href="#">career interest communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 Humanities, Arts and Design (HU)	3	C	
ASU 101-UC: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
 Social-Behavioral Sciences (SB)	3	C	
UNI 150: Major and Career Exploration	1	C	
Term hours subtotal:	7		
Term 2 - A 14 - 21 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3	C	
UNI 250: Choosing a Major	1	C	
Mathematics (MA)	3		
Term hours subtotal:	7		
Term 2 - B 21 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 35 Credit Hours	Hours	Minimum Grade	Notes
UNI 270: Career Direction for a Successful Future	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	8		
Term 3 - B 35 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

Global Awareness (G)	3
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Complete Mathematics (MA) requirement.	
Term hours subtotal:	7

- Secure a part-time job or volunteer experience

Term 4 - A 42 - 48 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Milestone: Selection of a major.			
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

Notes:

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 48  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition











General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Exploratory Math, Physical Sciences, Engineering and Technology

School/College: College of Integrative Sciences and Arts

Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus  
UCEMTPEXPL

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshmen students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)	3-4	C	
 Natural Science - Quantitative (SQ)	4	C	
ASU 101-UC: The ASU Experience	1		
UNI 150: Major and Career Exploration	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15-16		
Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 UNI 250: Choosing a Major	1	C	
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)	3-4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14-15		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)	3-4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
UNI 270: Career Direction for a Successful Future	1	C	

Computer/Statistics/Quantitative Applications (CS)	3	
Humanities, Arts and Design (HU)	3	
Literacy and Critical Inquiry (L)	3	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
◆ Complete Mathematics (MA) requirement.		
Milestone: Selection of a major.		
Term hours subtotal:		16-17

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Exploratory Math, Physical Sciences, Engineering and Technology

School/College: [College of Integrative Sciences and Arts](#)



Location: [Online](#)

UCEMTPEXPL

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course.</li> <li>• ASU 101 or college-specific equivalent First Year Seminar required of all freshmen students.</li> <li>• Select your <a href="#">career interest communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
 Natural Science - Quantitative (SQ)	4	C	
UNI 150: Major and Career Exploration	1	C	
Term hours subtotal:	8		




Term 2 - A 15 - 22 Credit Hours	Hours	Minimum Grade	Notes
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
UNI 250: Choosing a Major	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	7		

Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 29 - 36 Credit Hours	Hours	Minimum Grade	Notes
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA)	3	C	
UNI 270: Career Direction for a Successful Future	1	C	

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 7

Term 3 - B 36 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		• Secure a <b>part-time job</b> or <b>volunteer experience</b> .
Humanities, Arts and Design (HU)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:		6	

Term 4 - A 42 - 45 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3	C	
Milestone: Selection of a major.			
Term hours subtotal:		3	

Hide Course List(s)/Track Group(s)

**Notes:**

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition





General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Exploratory Social and Behavioral Sciences

School/College: [College of Integrative Sciences and Arts](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [Tempe campus](#), [ASU@Lake Havasu](#)  
UCSBSEXPL

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required for all freshmen students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Social-Behavioral Sciences (SB)	3	C	
ASU 101-UC: The ASU Experience	1		
UNI 150: Major and Career Exploration	1	C	
Mathematics (MA)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 UNI 250: Choosing a Major	1	C	
 Social-Behavioral Sciences (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
UNI 270: Career Direction for a Successful Future	1	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Milestone: Selection of a major.			
Term hours subtotal:	17		

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 48

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.
















## 2019 - 2020 Major Map

### Exploratory Social and Behavioral Sciences

School/College: [College of Integrative Sciences and Arts](#)

Location: [Online](#)

UCSBSEXPL

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshmen students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Social-Behavioral Sciences (SB)	3	C	
ASU 101-UC: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
 Humanities, Arts and Design (HU)	3	C	
UNI 150: Major and Career Exploration	1	C	
Term hours subtotal:	7		
Term 2 - A 14 - 21 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
UNI 250: Choosing a Major	1	C	
Mathematics (MA)	3		
Term hours subtotal:	7		
Term 2 - B 21 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3	C	
Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 35 Credit Hours	Hours	Minimum Grade	Notes
UNI 270: Career Direction for a Successful Future	1	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	8		
Term 3 - B 35 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

Computer/Statistics/Quantitative Applications (CS)	3
Historical Awareness (H)	3
Complete Mathematics (MA) requirement.	
Term hours subtotal:	6

Term 4 - A 41 - 48 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Milestone: Selection of a major.			
Term hours subtotal:	7		

Hide Course List(s)/Track Group(s)

**Notes:**

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 48

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)




First-Year Composition





General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map General Studies, BA

School/College: [College of Integrative Sciences and Arts](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [ASU@Lake Havasu](#)  
LSGNSBGS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshmen students</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students completing the Bachelor of Arts in General Studies will choose four clusters, and complete three courses in each of these clusters for a total of 36 credit hours. A minimum of 18 of the 36 credits must be upper-division credits.</li> <li>• Choose BGS Clusters in collaboration with a BGS academic advisor. See complete list of BGS Clusters and requirements <a href="#">here</a>.</li> </ul>
 Cluster #1 Course	3	C	
Humanities, Arts and Design (HU)	3		
Mathematics (MA) ( MAT 142 recommended)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Cluster #2 Course	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Cluster #3 Course	3	C	
 Literacy and Critical Inquiry (L)	3		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Cluster #1 Course	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ Cluster #4 Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Cluster #1 Course	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
★ Upper Division Cluster #2 Course	3	C	
Upper Division Cluster #3 Course	3	C	
Cluster #2 Course	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ UNI 400: Society and the Individual (L)	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Complete 2 courses: Upper Division Cluster #4 Course	6	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Cluster #3 Course	3	C	
Upper Division Elective OR IDS 484: Internship	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- Students completing the Bachelor of Arts in General Studies will choose four clusters, and complete three courses in each of these clusters for a total of 36 credit hours. A minimum of 18 of the 36 credits must be upper-division credits.

Hide Course List(s)/Track Group(s)

Values and Society	Communication and the Community	Gender and Society
CDE 232: Human Development (SB)	COM 100: Introduction to Human Communication (SB)	COM 316: Gender and Communication (SB & C)
COM 222: Argumentation (L)		ENG 364: Women and Literature (HU)

COM 250: Communication and the Workplace (SB)	COM 207: Introduction to Communication Inquiry	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)
COM 316: Gender and Communication (SB & C)	COM 222: Argumentation (L)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
COM 323: Communication Approaches to Popular Culture (C)	COM 225: Public Speaking (L)	REL 369: Women in Islam
ENG 216: Persuasive Writing on Public Issues (L)	COM 230: Small Group Communication (SB)	REL 390: Women, Gender and Religion (HU & G)
ENG 301: Writing for the Professions (L)	COM 259: Communication in Business and the Professions	WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)
HST 306: The Civil Rights Movement ((HU or SB) & H)	COM 263: Elements of Intercultural Communication (SB & C & G)	WST 380: Race, Gender, and Class (SB & C)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	COM 312: Communication, Conflict, and Negotiation	
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	COM 316: Gender and Communication (SB & C)	
HST 333: African American History to 1865 (SB & H & C)	COM 323: Communication Approaches to Popular Culture (C)	
PHI 101: Introduction to Philosophy (HU)	COM 371: Language, Culture, and Communication (SB & C & G)	
PHI 105: Intro to Ethics (HU)	HCR 331: Communication within Communities	
PHI 306: Applied Ethics (HU)		
PSY 101: Introduction to Psychology (SB)		
REL 100: Religions of the World (HU & G)		
REL 201: Religion and the Modern World (L or HU)		
REL 390: Women, Gender and Religion (HU & G)		
WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)		
WST 390: Women, Gender and Religion (HU & G)		
<b>Psychology and Technology</b>	<b>Literature and Culture and Film</b>	<b>Middle East World Views</b>
HSE 101: Introduction to Human Systems Engineering (SB) or PSY 101: Introduction to Psychology (SB)	ENG 201: World Literature (HU & H & G)	HST 230: Introduction to Jewish Civilization (HU & H & G)
HSE 223: Applied Biology of Human Behavior (SB)	ENG 202: World Literature (HU & H)	HST 372: Modern Middle East (SB & G & H)
HSE 224: Applied Social Science (SB)	ENG 204: Topics in Contemporary Literature (HU)	HST 430: The Ottoman Empire in the Classical Period
HSE 225: Human Systems Integration	ENG 230: Introduction to Film Studies (L or HU)	REL 365: Islamic Civilization (HU & H)
HSE 230: Statistics for Human Systems Research I (CS) or PSY 230: Introduction to Statistics (CS)	ENG 321: Shakespeare (L or HU)	REL 369: Women in Islam
	ENG 335: American Poetry	
	ENG 337: Major American Novels (L or HU)	

HSE 290: Experimental Methods for Human Systems Research (L) or PSY 290: Research Methods (L or SG)

HSE 323: Perceptual Systems (SB)

HSE 324: Applied Cognitive Science (SB)

HSE 325: Human-Computer Interaction

HSE 423: Human Factors in Transportation

HSE 426: Training and Expertise

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 499: Individualized Instruction

ENG 352: Short Story (L or HU)

ENG 364: Women and Literature (HU)

ENG 365: History of Film (HU)

ENG 366: Literature on Film

ENG 394: Special Topics

#### Writing and Society

ENG 215: Strategies of Academic Writing (L)

ENG 216: Persuasive Writing on Public Issues (L)

ENG 217: Writing Reflective Essays (L)

ENG 218: Writing About Literature (L or HU)

ENG 287: Beginning Creative Writing Workshop in Poetry

ENG 288: Beginning Creative Writing Workshop in Fiction

ENG 301: Writing for the Professions (L)

ENG 317: Cross-Cultural Writing ((L or HU) & G)

ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice

ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice

#### Spanish for the Professions

SPA 317: Spanish for the Professions

SPA 318: Advanced Spanish for Health Care Professionals

SPA 401: Spanish Oral Communication for the Professions

SPA 402: Written Communication for the Professions

SPA 403: Spanish Grammar and Stylistics for the Professions

SPA 404: Spanish in U. S. Professional Communities (C)

SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)

SPA 406: Introduction to Spanish/English Medical Interpretation

SPA 484: Internship

#### Science and Society

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

CHM 101: Introductory Chemistry (SQ)

CHM 107: Chemistry and Society (SQ)

CHM 113: General Chemistry I (SQ) AND  
CHM 116: General Chemistry II (SQ)

MIC 205: Microbiology (SG)

NTR 241: Human Nutrition

SES 100: Introduction to Exploration (CS)

STP 226: Elements of Statistics (CS)

STS 331: Ethical Issues in Science and Technology (SB)

#### Health Care

EXW 400: Stress Management for Wellness

HCD 340: Complementary Health Care

HCD 410: Supporting the Health of Older Adults

HCD 412: Health Issues in Later Life

HCI 150: Introduction to Health Innovation

HCI 250: Health Entrepreneurship and Value Creation

#### Society and Mass Media

MCO 120: Media and Society (SB)

MCO 240: Media Issues in American Pop Culture

MCO 302: Media Research Methods

MCO 418: History of Mass Communication (SB & H)

MCO 430: International Mass Communication (G)

MCO 435: Social Media

#### Special Event Management

PRM 486: Special Events Management

PRM 487: Advanced Special Events Management

TDM 205: Introduction to Travel and Tourism (G)

HCI 311: Health Innovation: Foundational Concepts	MCO 450: Visual Communication (HU)	
HCR 210: Ethics for the Health Care Professional (HU)	MCO 456: Political Communication (SB)	
HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	MCO 460: Race, Gender, and Media (C)	
HCR 221: Foundational Concepts for Health Care Coordination	MCO 465: Sports and Media	
HCR 230: Culture and Health (C & G) or HCD 210: Cultural Aspects of Health (C)	MCO 473: Sex, Love, and Romance in the Mass Media (SB)	
HCR 231: Fundamentals of Community Health	MCO 494: Digital Media Literacy	
HCR 241: Foundations of Integrative Health		
HCR 245: Sleep, Sleep Disorders and Behavior (SB)		
HCR 260: Health Care Industry and Regulation		
HCR 261: Health Care Compliance		
HCR 262: Health Care Licensure, Professional Development and Practice		
HCR 331: Communication within Communities		
HCR 335: Program Development and Management for Community Health		
HCR 341: Biological, Manipulative, and Body-Based Therapies		
HCR 342: Mind-Body and Energy Therapies and Modalities		
HCR 350: Introduction to Clinical Research		
HCR 394: Fundamentals of Human Trafficking		
HSC 340: Changing Health Behaviors		
<b>Nonprofit Management</b>	<b>Meeting Planning</b>	<b>The Urban Experience</b>
NLM 160: Voluntary Action and Community Leadership (SB)	TDM 205: Introduction to Travel and Tourism (G)	URB 220: Introduction to Urban America
NLM 220: Introduction to Nonprofit Organizations	TDM 345: Meeting and Convention Planning	URB 240: Urban Policy (C)
NLM 300: Fund Raising and Resource Development	TDM 350: Tourism, Recreation and Sports Marketing	URB 300: Urban and Metropolitan Studies
NLM 310: Volunteer Management	TDM 386: Convention Sales and Management	URB 302: Urban Theory
<b>Leadership</b>	<b>U.S. Social Welfare System and Social Services</b>	<b>Criminology and Criminal Justice</b>
PAF 311: Leadership and Change (SB)		

PAF 410: Building Leadership Skills (SB)	SWU 171: Introduction to Social Work (SB & H)	CRJ 100: Introduction to Criminal Justice (SB)
PAF 420: Public Leadership		
PAF 460: Public Service Ethics	SWU 181: Economics: A Social Issues Perspective	CRJ 201: Criminal Justice Crime Control Policies and Practices
	SWU 182: Social Services Perspective of Government (SB)	CRJ 203: Courts and Sentencing
	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	CRJ 230: Introduction to Policing
	SWU 291: Social Service Delivery Systems	CRJ 240: Introduction to Corrections
	SWU 320: Research Methods in Social Work	CRJ 403: Victims and the Criminal Justice System
	SWU 374: Diversity and Oppression in a Social Work Context (C)	CRJ 404: Juvenile Delinquency
	SWU 432: Social Policy and Services	CRJ 405: Neighborhoods and Crime
	SWU 456: Immigrants and Refugees (C)	CRJ 406: Sex Crimes
	SWU 457: Southwest Borderland Immigration Issues (C)	CRJ 408: Drugs and Crime
	SWU 458: Behavioral Health Services	CRJ 422: Violence in America
	SWU 460: Legal Issues in Social Work	CRJ 461: Domestic Violence
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	CRJ 462: Gangs
		CRJ 463: White Collar Crime
<b>Criminal Justice and Law</b>	<b>Historical Perspectives</b>	<b>National Service</b>
CRJ 100: Introduction to Criminal Justice (SB)	HST 101: Global History Since 1500 (HU & H & G)	AES 101: Air Force Today I
CRJ 201: Criminal Justice Crime Control Policies and Practices	HST 104: Western Civilization: French Revolution to European Union ((HU or SB) & G & H)	AES 103: Air Force Today II
CRJ 203: Courts and Sentencing	HST 110: United States Since 1865 (SB & H)	AES 201: The Evolution of USAF Air and Space Power I
CRJ 260: Substantive Criminal Law	HST 306: The Civil Rights Movement ((HU or SB) & H)	AES 203: The Evolution of USAF Air and Space Power II
CRJ 350: Law and Social Control (SB)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	AES 301: Air Force Leadership Studies I (L)
CRJ 410: Procedural Criminal Law	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	AES 303: Air Force Leadership Studies II (L)
CRJ 470: Discretionary Justice (L or SB)	HST 333: African American History to 1865 (SB & H & C)	AES 401: National Security Affairs (L)
	HST 364: Sex and Society in Modern Europe ((L or SB) & H)	MIS 101: Introduction to the United States Army
	HST 368: Culture and Imagination in European History (HU & H)	MIS 102: Foundation of Agile and Adaptive Leadership
	HST 372: Modern Middle East (SB & G & H)	MIS 201: Army Leadership and Decision Making
		MIS 202: Army Doctrine and Team Development
		MIS 301: Training Management and the Warfighting Functions (L)
		MIS 302: Applied Leadership in Small-Unit Operations (L)



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NAV 101: Introduction to Naval Science

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NAV 102: Sea Power and Maritime Affairs

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NAV 402: Leadership and Ethics

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map






### History, BA





School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSHISBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 HST Elective	3	C	
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Mathematics (MA) ( MAT 142 recommended)	3		
Elective	3		
 Maintain 2.25 GPA in Critical Tracking Courses.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 HST Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.25 GPA in Critical Tracking Courses.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST Elective	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
 Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 History Related Area	3	C	

Cultural Diversity in the U.S. (C)	3
Historical Awareness (H)	3
Social-Behavioral Sciences (SB)	3
Elective	3
◆ Maintain 2.25 GPA in Critical Tracking Courses.	
Minimum 2.25 GPA in HST.	
Term hours subtotal:	15

- Students will choose a Related Area Field in consultation with their History academic advisor. Students will complete 15 credit hours (minimum of nine upper-division hours) in a Related Area Field. See more information at the bottom of the major map.

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST Upper Division Elective	3	C	• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>
Upper Division History Related Area	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Minimum 2.25 GPA in HST.			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST Upper Division Elective	3	C	• Use Handshake to research <a href="#">employment opportunities</a> .
History Related Area	3	C	
Complete 3 courses: Upper Division Elective	9		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	15		

Term 7 93 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST Upper Division Elective	3	C	• Gather <a href="#">professional references</a> . • Apply for <a href="#">full-time career opportunities</a> .
Complete 2 courses: Upper Division History Related Area	6	C	
Upper Division Elective	3		
Minimum 2.25 GPA in HST.			
Term hours subtotal:	12		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 495: Methods of Historical Inquiry (L) OR HST 493: Honors Thesis (L)	3	C	• Students in the Barrett Honors College may take HST 493: Honors Thesis in place of HST 495: Methods of Historical Inquiry.
HST Upper Division Elective	3	C	
Upper Division Elective OR HST 484: Internship	3		
Complete 2 courses: Elective	6		
Minimum 2.25 GPA in HST.			
Term hours subtotal:	15		

- Students will need to complete 15 credit hours of Related Area Field courses (minimum of nine hours upper-division). Students choose one Related Area from the following options: English (ENG), Integrative Social Sciences (ISS), Philosophy (PHI), Political Science (POS), Religious Studies (REL), Sociology (SOC) and Science Technology and Society (STS). See Related Area Field prefix list below.

Hide Course List(s)/Track Group(s)

History Related Area
ENG Elective
ISS Elective
PHI Elective
POS Elective
REL Elective
SOC Elective
STS Elective

**Notes:**

- Student must complete a minimum of 12 upper-division credit hours of HST courses offered by the College of Letters and Sciences.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### History of Science, Ideas and Innovation, BA

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSHSIIBA

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> area and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13		
Term 2 13 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students must select Related Area courses all from <b>one</b> subject/prefix indicated at bottom of the major map.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 28 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 280: History of Science, Ideas and Innovation (G & H)	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 History of Science, Ideas and Innovation Elective	3	C	
Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Students must select Related Area courses all from <b>one</b> subject/prefix indicated at bottom of the major map.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <b>Related Area Course</b>	3	C	<ul style="list-style-type: none"> <li>• Students must choose History of Science, Ideas and Innovation Elective credits from the list provided at the bottom of the major map.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
<i>Complete 3 courses:</i>			
Upper Division History of Science, Ideas and Innovation Elective	9	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 3 courses:</i>			<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division History of Science, Ideas and Innovation Elective	9	C	
<i>Complete 2 courses:</i>			
Elective	6		
★ <i>Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).</i>			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <b>HST 495: Methods of Historical Inquiry (L)</b>	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
★ <i>Complete 3 courses:</i>			
Upper Division History of Science, Ideas and Innovation Elective	9	C	
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 4 courses:</i>			
Upper Division History of Science, Ideas and Innovation Elective	12	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

History of Science, Ideas and Innovation Electives	Related Area Courses (9 credits from ONE subject below)
HST 294: Special Topics	ABS Elective
HST 300: Historical Inquiry ((L or HU or SB) & H)	ISS Elective
	PHY Elective
HST 301: Global History of Health (SB & G & H)	POS Elective
HST 308: History and Philosophy of Sustainability	SOC Elective
	STS Elective
HST 309: Exploration and Empire ((L or HU) & H)	

HST 312: History of Women in Science and  
Medicine (HU or SB)

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HST 318: History of Engineering ((L or SB) &  
G)

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HST 319: History of Aviation (H)

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HST 345: Environmental History (L)

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HST 380: Studies in the History of Science

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HST 381: Studies in the History of Ideas

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HST 382: Studies in the History of Innovation  
and Technology

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HST 385: History of Chinese Medicine (HU &  
H & G)

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HST 394: Special Topics

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HST 482: Writing and the History of Science,  
Ideas and Technology (L)

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HST 484: Internship

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HST 494: Special Topics

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**Notes:**

- Students must complete a minimum of 12 credit hours of HST courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Integrative Social Science, BS




School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus

LSISSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ISS 110: Dimensions of Social Science (SB) OR ISS 302: Scope of Social Science (SB)	3	C	<ul style="list-style-type: none"> <li>• Students beginning their college experience at ASU will take ISS 110 to fulfill the introduction course requirement. Students who transfer to ASU with more than 45 credit hours will take ISS 302 to fulfill this requirement.</li> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshmen.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Social-Behavioral Sciences (SB)	3		
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3		
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		



Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Elective	3
Term hours subtotal:	16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ISS 301: Integrated Social Science Research Methods (SB) OR POS 301: Empirical Political Inquiry (SB) OR STS 301: Research in Science and Technology Studies (SB)	3	C	<ul style="list-style-type: none"> <li>• Student will choose three Thematic Clusters in consultation with their academic advisor and complete nine credits in each cluster.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Upper Division Thematic Cluster #1	3	C	
Upper Division Thematic Cluster #2	3	C	
Upper Division Thematic Cluster #3	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ISS 304: Integrated Theories of Social Science (SB)	3	C	<ul style="list-style-type: none"> <li>• Student will choose three Thematic Clusters in consultation with their academic advisor and complete nine credits in each cluster.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Thematic Cluster #1	3	C	
Upper Division Thematic Cluster #2	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ISS 401: Statistics for Integrated Social Science (MA) OR POS 401: Political Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	C	<ul style="list-style-type: none"> <li>• Student will choose three Thematic Clusters in consultation with their academic advisor and complete nine credits in each cluster.</li> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division Thematic Cluster #1	3	C	
Upper Division Thematic Cluster #3	3	C	
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ISS 484: Internship OR ISS 498: Pro-Seminar	3	C	<ul style="list-style-type: none"> <li>• ISS 484 is recommended for students taking the program as a terminal degree for professional practice. ISS 498 Capstone or Applied Project are recommended for students preparing for further studies.</li> <li>• Student will choose three Thematic Clusters in consultation with their academic advisor and complete nine credits in each cluster.</li> </ul>
Upper Division Thematic Cluster #2	3	C	
Upper Division Thematic Cluster #3	3	C	
Elective	3		
Term hours subtotal:	12		

- Upper Division Thematic Clusters: Students will choose three different Thematic Clusters and complete nine credits from each. There are some required courses in clusters and students will choose additional courses to complete the nine credit requirement. The same course may not be used to meet requirements in more than one Thematic Cluster.

Hide Course List(s)/Track Group(s)

<p>Conflict Resolution and Peace Studies (ISS 441 required)</p> <p>ISS 441: Conflict and Conflict Resolution (SB &amp; G)</p> <p>Electives:</p> <p>ISS 428: Religion and Global Violence (SB &amp; G)</p> <p>ISS 456: Culture, Conflict and War ((L or SB) &amp; G)</p> <p>POS 339: Grassroots Social Movements (SB)</p> <p>POS 467: International Security (SB &amp; G)</p> <p>SOC 352: Social Change (SB &amp; G &amp; H)</p> <p>STS 364: Science, Technology, and National Security (SB)</p>	<p>Ethics in the Professions (ISS 437 required)</p> <p>ISS 437: Integrative Ethics in Social Science</p> <p>ISS 410: Integrative Leadership Studies (SB)</p> <p>STS 331: Ethical Issues in Science and Technology (SB)</p>	<p>Ethnicity, Gender and Social Justice (POS 485 and WST 380 required)</p> <p>POS 485: Political Economy (SB)</p> <p>WST 380: Race, Gender, and Class (SB &amp; C)</p> <p>Electives:</p> <p>FAS 332: Human Sexuality (SB)</p> <p>FAS 370: Family Ethnic and Cultural Diversity (SB &amp; C)</p> <p>POS 439: Minority Group Politics in America (SB &amp; C)</p> <p>SOC 315: Courtship and Marriage (SB)</p> <p>SOC 352: Social Change (SB &amp; G &amp; H)</p> <p>SOC 415: The Family (SB)</p> <p>SOC 420: Sociology of Religion (L or SB)</p> <p>SOC 421: Education and Society (SB)</p> <p>STS 306: Social Effects of Science and Technology (SB)</p> <p>STS 328: Science, Technology, and Culture (SB)</p> <p>WST 300: Women and Gender in Contemporary Society (SB &amp; C)</p>
<p>Globalization and International Political Economy (ISS 482 and POS 485 required)</p> <p>ISS 482: Globalization and International Political Economy</p> <p>POS 485: Political Economy (SB)</p> <p>Electives:</p> <p>ISS 450: Consumerism and Sustainable Development (SB)</p> <p>POS 350: Comparative Politics (SB &amp; G)</p> <p>POS 360: World Politics (SB &amp; G)</p> <p>POS 361: American Foreign Policy (SB &amp; G)</p> <p>POS 467: International Security (SB &amp; G)</p> <p>STS 317: Science, Technology, and Global Engagement (SB &amp; G)</p>	<p>Governance, Leadership and Public Policy (POS 310 and POS 485 required)</p> <p>POS 310: American National Government (SB)</p> <p>POS 485: Political Economy (SB)</p> <p>Electives:</p> <p>ISS 410: Integrative Leadership Studies (SB)</p> <p>POS 316: American Political Institutions</p> <p>POS 325: Public Policy Development (SB)</p> <p>POS 339: Grassroots Social Movements (SB)</p> <p>POS 346: Problems of Democracy (HU)</p> <p>POS 360: World Politics (SB &amp; G)</p> <p>POS 364: National Security, Intelligence, and Terrorism (SB)</p> <p>POS 370: Law and Society (SB)</p>	<p>Science, Technology and Society (STS 304 required)</p> <p>STS 304: Science, Technology, and Society (SB)</p> <p>Electives:</p> <p>STS 302: Philosophy of Science and Technology (SB)</p> <p>STS 303: History of Science and Technology (H)</p> <p>STS 305: Science and Social Theory (SB)</p> <p>STS 306: Social Effects of Science and Technology (SB)</p> <p>STS 317: Science, Technology, and Global Engagement (SB &amp; G)</p> <p>STS 318: Science, Technology, and Government (SB)</p>

STS 329: Technology in Developing Countries (SB & G)	POS 426: Elements of Public Policy (SB)	STS 325: Science, Technology, and Public Policy (SB)
STS 330: Information Technology and Globalization (SB & G)	STS 325: Science, Technology, and Public Policy (SB)	STS 328: Science, Technology, and Culture (SB)
STS 332: Global Issues in Science and Technology (SB)	STS 364: Science, Technology, and National Security (SB)	STS 329: Technology in Developing Countries (SB & G)
	STS 425: Law, Values, Science, and Technology (SB)	STS 330: Information Technology and Globalization (SB & G)
		STS 331: Ethical Issues in Science and Technology (SB)
		STS 332: Global Issues in Science and Technology (SB)
		STS 364: Science, Technology, and National Security (SB)
		STS 425: Law, Values, Science, and Technology (SB)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Interdisciplinary Studies, BA

School/College: College of Integrative Sciences and Arts

Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus

LSBISBIS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshmen students</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) (IDS 201 recommended)	3		
Elective	3		
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Mathematics (MA) (MAT 142 recommended)	3		
Natural Science - Quantitative (SQ)	4		
<i>Complete 2 courses:</i> Elective	6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>• Choose IDS concentration areas in collaboration with an <b>IDS academic advisor</b>. Available offerings are found <a href="#">here</a>.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Global Awareness (G)	3		
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
IDS 140: The Nature of Knowledge Systems OR Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Concentration #1 Course	3	C	
 Concentration #2 Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Concentration #1 Course	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ Concentration #2 Course	3	C	
★ IDS 301: Becoming Interdisciplinary OR IDS 201: The Nature of Knowledge Systems	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Integrative Context Course	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Concentration #1 Course	3	C	
Upper Division Concentration #2 Course	3	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IDS 302: Integration Skills	3	C	<ul style="list-style-type: none"> <li>Begin exploring <a href="#">IDS 401 Experiential Learning</a> opportunities. Email <a href="mailto:CISA@asu.edu">CISA@asu.edu</a> to begin the process.</li> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> </ul>
Upper Division Concentration #1 Course	3	C	
Upper Division Concentration #2 Course	3	C	
Upper Division Literacy and Critical Inquiry (L) Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IDS 401: Integration: Experiential Learning	3	C	
Upper Division Concentration #1 Course	3	C	
Upper Division Concentration #2 Course	3	C	
Upper Division Integrative Context Course	3	C	
Integrative Application Course	3	C	
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Integrative Context Course	Integrative Application Course
IDS 310: Integration: Cultural Contexts (C)	IDS 140: The Nature of Knowledge Systems
IDS 311: Integration: Global Contexts (SB & G)	IDS 302: Integration Skills
IDS 312: Integrative Perspectives on Change	IDS 310: Integration: Cultural Contexts (C)

IDS 313: Integrative Perspectives on a Changing World	IDS 311: Integration: Global Contexts (SB & G)
IDS 314: Integrative Perspectives on Cultural Dynamics (SB)	IDS 312: Integrative Perspectives on Change
IDS 315: Integration: Social Contexts (SB)	IDS 313: Integrative Perspectives on a Changing World
IDS 316: Integration: Humanities Contexts (HU)	IDS 314: Integrative Perspectives on Cultural Dynamics (SB)
	IDS 315: Integration: Social Contexts (SB)
	IDS 316: Integration: Humanities Contexts (HU)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Interdisciplinary Studies, BA









School/College: [College of Integrative Sciences and Arts](#)

Location: [Online](#)

LSBISBIS

**FT** Fast Track Options: 2.5 Year | 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<ul style="list-style-type: none"> <li>ENG 101 or ENG 102: First-Year Composition OR</li> <li> ENG 105: Advanced First-Year Composition OR</li> <li>ENG 107 or ENG 108: First-Year Composition</li> </ul>	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<ul style="list-style-type: none"> <li>ENG 101 or ENG 102: First-Year Composition OR</li> <li> ENG 105: Advanced First-Year Composition OR</li> <li>ENG 107 or ENG 108: First-Year Composition</li> </ul>	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Social-Behavioral Sciences (SB) (IDS 201 recommended)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA) (MAT 142 recommended)	3		
Elective	3		
Term hours subtotal:	6		
Term 2 - B 19 - 26 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 3 - A 26 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Concentration #1 Course	3	C	<ul style="list-style-type: none"> <li>• Choose IDS concentration areas in collaboration with an <b>IDS academic advisor</b>. Available offerings are found <a href="#">here</a>.</li> </ul>
IDS 140: The Nature of Knowledge Systems OR Elective	3		
Term hours subtotal:	6		

Term 3 - B 32 - 39 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Concentration #2 Course	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 39 - 45 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Concentration #1 Course	3	C	
Historical Awareness (H)	3	C	
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Concentration #2 Course	3	C	
Humanities, Arts and Design (HU)	3	C	
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IDS 301: Becoming Interdisciplinary OR IDS 201: Intellectual Fusion (SB)	3	C	• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IDS 302: Integration Skills	3	C	• Use Handshake to research <a href="#">employment opportunities</a> .
Upper Division Concentration #1 Course	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division Concentration #1 Course	3	C	
Upper Division Concentration #2 Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration #1 Course	3	C	
Literacy and Critical Inquiry (L)	3		



Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration #2 Course	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration #2 Course	3	C	<ul style="list-style-type: none"> <li>• Begin exploring IDS 401 Experiential Learning opportunities. Email CISA@asu.edu to begin the process.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Integrative Context Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IDS 401: Integration: Experiential Learning	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Integrative Context Course	3	C	
Upper Division Integrative Application Course	3	C	
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Integrative Context Course	Integrative Application Course
IDS 310: Integration: Cultural Contexts (C)	IDS 140: The Nature of Knowledge Systems
IDS 311: Integration: Global Contexts (SB & G)	IDS 302: Integration Skills

IDS 312: Integrative Perspectives on Change	IDS 310: Integration: Cultural Contexts (C)
IDS 313: Integrative Perspectives on a Changing World	IDS 311: Integration: Global Contexts (SB & G)
IDS 314: Integrative Perspectives on Cultural Dynamics (SB)	IDS 312: Integrative Perspectives on Change
IDS 315: Integration: Social Contexts (SB)	IDS 313: Integrative Perspectives on a Changing World
IDS 316: Integration: Humanities Contexts (HU)	IDS 314: Integrative Perspectives on Cultural Dynamics (SB)
	IDS 315: Integration: Social Contexts (SB)
	IDS 316: Integration: Humanities Contexts (HU)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Interdisciplinary Studies (Organizational Studies), BA

School/College: [College of Integrative Sciences and Arts](#)



Location: [Online](#)



LSORGBIS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Elective	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
 Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	6		



Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		



Term 3 - A 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
IDS 201: Intellectual Fusion (SB) OR Elective	3		
Term hours subtotal:	7		




Term 3 - B 32 - 38 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		



Elective	3
.....	
Complete Mathematics (MA) requirement.	
.....	
Term hours subtotal:	6

Term 4 - A 38 - 44 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Elective	6		
.....			
Term hours subtotal:	6		



Term 4 - B 44 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
.....			
Elective	3		
.....			
Term hours subtotal:	7		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IDS 300: Theories and Applications of Organizational Studies (L or SB)	3	C	• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>
.....			
Upper Division Elective	3		
.....			
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 340: Special Topics	3	C	
.....			
 OGL 343: Social Processes in Organizations (SB)	3	C	
.....			
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 340: Special Topics	3	C	• Use Handshake to research <a href="#">employment opportunities</a> .
.....			
 OGL 365: Organizational Contexts (SB)	3	C	
.....			
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 345: Organizational Ethics (HU)	3	C	
.....			
IDS 301: Becoming Interdisciplinary OR IDS 201: Intellectual Fusion (SB)	3	C	
.....			
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
.....			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IDS 302: Integration Skills	3	C	
.....			
Elective	3		
.....			
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ OGL 365: Organizational Contexts (SB)	3	C
Elective	3	
Term hours subtotal:	6	

- Gather professional references.
- Apply for full-time career opportunities.

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
OGL 355: Leading Organizational Innovation and Change	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 350: Diversity and Organizations (L & C)	3	C	
Elective	3		
Term hours subtotal:	6		

- Begin exploring IDS 401 Integrative Experiential Learning opportunities. Email [CISA@asu.edu](mailto:CISA@asu.edu) to begin the process.

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
OGL 360: Assessment of Leadership Effectiveness	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IDS 401: Integration: Experiential Learning	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 357: Assessment in Organizations	3	C	
★ Upper Division Integrative Context Course	3	C	
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Integrative Context Courses
IDS 310: Integration: Cultural Contexts (C)
IDS 311: Integration: Global Contexts (SB & G)
IDS 312: Integrative Perspectives on Change
IDS 313: Integrative Perspectives on a Changing World

IDS 314: Integrative Perspectives on Cultural Dynamics (SB)

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IDS 315: Integration: Social Contexts (SB)

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IDS 316: Integration: Humanities Contexts (HU)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Liberal Studies, BA

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus, ASU@The Gila Valley](#)

LABLSBLS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Cultural Diversity in the U.S. (C)	3		
Mathematics (MA) ( MAT 142 recommended)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	16		
Term 2 16 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
Global Awareness (G)	3		
Complete 3 courses:	9		
Elective			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 4 courses:	12		
Elective			
Term hours subtotal:	16		
Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 LST 370: Dimensions of Liberal Studies (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 Upper Division Humanities, Arts and Design (HU)	3	C	

★ Upper Division Social-Behavioral Sciences (SB)	3	C
.....		
Complete 2 courses:	6	
Elective		
.....		
Term hours subtotal:	15	

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Humanities, Arts and Design (HU)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> </ul>
★ Upper Division Social-Behavioral Sciences (SB)	3	C	
Complete 3 courses:	9		
Elective			
.....			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LST 470: Liberal Studies Seminar (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
★ Upper Division Humanities, Arts and Design (HU)	3	C	
★ Upper Division Social-Behavioral Sciences (SB)	3	C	
Upper Division Elective OR LST 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Humanities, Arts and Design (HU)	3	C	
★ Upper Division Social-Behavioral Sciences (SB)	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)



- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Liberal Studies, BA



School/College: [College of Integrative Sciences and Arts](#)

Location: [Online](#)



LABSBLS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Elective	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		



Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA) ( MAT 142 recommended)	3		
Elective	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Elective	3		
Term hours subtotal:	7		




Term 3 - B 32 - 38 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		



Elective	3
Complete Mathematics (MA) requirement.	
Term hours subtotal:	6

Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Global Awareness (G)	3		
Term hours subtotal:	7		


Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	6		



Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:	6		
Elective			
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 LST 370: Dimensions of Liberal Studies (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
 Upper Division Humanities, Arts and Design (HU)	3	C	
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Humanities, Arts and Design (HU)	3	C	
 Upper Division Social-Behavioral Sciences (SB)	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Humanities, Arts and Design (HU)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Humanities, Arts and Design (HU)	3	C	

★ Upper Division Social-Behavioral Sciences (SB)	3	C
Term hours subtotal:	6	

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Social-Behavioral Sciences (SB)	3	C
Elective	3	
Term hours subtotal:	6	

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Elective	3		<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Elective	3	
Elective	3	
Term hours subtotal:	6	

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ LST 470: Liberal Studies Seminar (L or HU)	3	C
Elective	3	
Term hours subtotal:	6	

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	6	

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Elective	3	
Term hours subtotal:	3	

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition














General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Organizational Leadership, BA

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#), [ASU@Cochise](#), [ASU@Lake Havasu](#), [ASU@Pima](#), [ASU@Pinal](#), [ASU@The Gila Valley](#), [ASU@Yuma](#), [ASU@Yavapai](#)  
LSORGLBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all Freshmen.</li> <li>• Select your <b>career interest communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
 Mathematics (MA)	3		
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	16		
Term 2 16 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 200: Introduction to Organizational Leadership (SB)	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
 OGL 220: Behavioral Dynamics in Organizations (SB)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 260: Resource Allocation in Organizations	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 3 courses:			
Elective	9		
Term hours subtotal:	16		
Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes

★ OGL 300: Theory and Practice of Leadership	3	C
★ OGL 343: Social Processes in Organizations (SB)	3	C
OGL 320: Foundations of Project Management	3	C
OGL 340: Special Topics	3	C
OGL 365: Special Topics	3	C
Term hours subtotal:	15	

- Build your professional connections --- join the ASU Mentor Network

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 345: Organizational Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Consider additional OGL 340 Topics courses to fill elective credits (beyond the six required credits).</li> </ul>
★ OGL 350: Diversity and Organizations (L & C)	3	C	
★ OGL 355: Leading Organizational Innovation and Change	3	C	
OGL 340: Special Topics	3	C	
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 321: Project Leadership, Strategy and Scope	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	
OGL 357: Assessment in Organizations	3	C	
OGL 365: Special Topics	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 482: Organizational Leadership Pro-Seminar II	3	C	
OGL 360: Assessment of Leadership Effectiveness	3	C	
Elective OR OGL 484: Internship	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Organizational Leadership, BA



School/College: [College of Integrative Sciences and Arts](#)



Location: [Online](#)



LSORGLBA



**FT** Fast Track Options: 2.5 Year | 3 Year



A student must speak with an advisor in order to be added to a fast track plan.















Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3		
Elective	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 200: Introduction to Organizational Leadership (SB)	3	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 220: Behavioral Dynamics in Organizations (SB)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		
Term 4 - A 38 - 44 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
Term hours subtotal:	6		
Term 4 - B 44 - 50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 260: Resource Allocation in Organizations	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		
Term 5 - A 50 - 57 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 300: Theory and Practice of Leadership	3	C	<ul style="list-style-type: none"> <li>Consider OGL 340 Special Topics courses for upper division electives (beyond the six credits required).</li> </ul>
OGL 340: Special Topics	3	C	
Term hours subtotal:	6		
Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 340: Special Topics	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 OGL 343: Social Processes in Organizations (SB)	3	C	
Term hours subtotal:	6		
Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 345: Organizational Ethics (HU)	3	C	
OGL 320: Foundations of Project Management	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 350: Diversity and Organizations (L & C)	3	C	
OGL 321: Project Leadership, Strategy and Scope	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 355: Leading Organizational Innovation and Change	3	C	• Use Handshake to research employment opportunities.
Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 365: Organizational Contexts (SB)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 357: Assessment in Organizations	3	C	• Gather professional references. • Apply for full-time career opportunities.
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 360: Assessment of Leadership Effectiveness	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 365: Organizational Contexts (SB)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	
Elective OR OGL 484: Internship	3	C	
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 482: Organizational Leadership Pro-Seminar II	3	C	
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition














General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Organizational Leadership (Project Management), BA

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [ASU@Cochise](#), [ASU@Pima](#), [ASU@Pinal](#), [ASU@The Gila Valley](#), [ASU@Yavapai](#)  
LSORGLP MBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all Freshmen.</li> <li>• Select your <b>career interest communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
 Mathematics (MA)	3		
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	16		
Term 2 16 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 200: Introduction to Organizational Leadership (SB)	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
 OGL 220: Behavioral Dynamics in Organizations (SB)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 3 courses:			
Elective	9		
Term hours subtotal:	16		
Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes

★ OGL 300: Theory and Practice of Leadership	3	C
OGL 320: Foundations of Project Management	3	C
OGL 340: Special Topics	3	C
OGL 343: Social Processes in Organizations (SB) OR OGL 355: Leading Organizational Innovation and Change	3	C
★ OGL 345: Organizational Ethics (HU)	3	C
Term hours subtotal:	15	

- Build your professional connections -- join the [ASU Mentor Network](#)

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
OGL 321: Project Leadership, Strategy and Scope	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
OGL 322: Project Time Management	3		
OGL 323: Project Cost Management	3		
OGL 324: Resources in Project Management	3		
★ OGL 350: Diversity and Organizations (L & C)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 326: Project Procurement Management	3		<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> <li>• Consider additional OGL 340 topics courses to fill elective credits (beyond the six required credits).</li> </ul>
OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness	3	C	
OGL 421: Project Risk Management	3		
OGL 422: Project Quality Management	3		
Elective OR OGL 484: Internship	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	<ul style="list-style-type: none"> <li>• Consider additional OGL 340 topics courses to fill elective credits (beyond the six required credits).</li> </ul>
OGL 340: Special Topics	3	C	
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

[Hide Course List\(s\)/Track Group\(s\)](#)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map



### Organizational Leadership (Project Management), BA



School/College: [College of Integrative Sciences and Arts](#)



Location: [Online](#)



LSORGLPMBA



Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students.</li> <li>• Select your <a href="#">career interest communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
 ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3		
Elective	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 OGL 200: Introduction to Organizational Leadership (SB)	3	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 OGL 220: Behavioral Dynamics in Organizations (SB)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 3 - B 31 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		



Elective 3

Complete Mathematics (MA) requirement.

Term hours subtotal: 7

- Secure a part-time job or volunteer experience.

Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 Computer/Statistics/Quantitative Applications (CS) 3

Elective 3

Term hours subtotal: 6

Term 4 - B 44 - 50 Credit Hours	Hours	Minimum Grade	Notes
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Global Awareness (G) 3

Historical Awareness (H) 3

Term hours subtotal: 6

Term 5 - A 50 - 57 Credit Hours	Hours	Minimum Grade	Notes
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OGL 320: Foundations of Project Management 3 C

Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4


Term hours subtotal: 7

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 OGL 300: Theory and Practice of Leadership 3 C

 OGL 321: Project Leadership, Strategy and Scope 3 C

Term hours subtotal: 6

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 OGL 340: Special Topics 3 C

OGL 322: Project Time Management 3


Term hours subtotal: 6

- Build your professional connections -- join the ASU Mentor Network

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 OGL 340: Special Topics 3 C

 OGL 345: Organizational Ethics (HU) 3 C

 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).


Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours	Hours	Minimum Grade	Notes
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OGL 323: Project Cost Management 3

OGL 324: Resources in Project Management 3

Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 OGL 350: Diversity and Organizations (L & C) 3 C



OGL 326: Project Procurement Management

3

Term hours subtotal: 6



- Use Handshake to research employment opportunities.

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
OGL 421: Project Risk Management	3		• Consider OGL 340 Special Topics courses for upper-division electives (beyond the six credits required).
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 OGL 422: Project Quality Management	3		• Gather professional references. • Apply for full-time career opportunities.
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 OGL 343: Social Processes in Organizations (SB) OR OGL 355: Leading Organizational Innovation and Change	3		
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness	3		
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 OGL 481: Organizational Leadership Pro-Seminar I	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective OR OGL 484: Internship	3	C	
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Political Science, BS





School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus

LSPOLBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Related Area Course	3	C	
Mathematics (MA)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>• Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>• Students should consider using elective hours to pursue a minor or certificate.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 Natural Science - Quantitative (SQ)	4		
Related Area Course	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses:			
POS Elective	6	C	

Historical Awareness (H)	3
Literacy and Critical Inquiry (L)	3
Term hours subtotal:	16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS 301: Empirical Political Inquiry (SB) OR ISS 301: Integrated Social Science Research Methods (SB) OR STS 301: Research in Science and Technology Studies (SB)	3	C	<ul style="list-style-type: none"> <li>• Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>• There is room in one's program of study for a minor or certificate.</li> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
POS Upper Division Elective	3	C	
Related Area Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS 401: Political Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Complete 2 courses: POS Upper Division Elective	6	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
Upper Division Elective OR POS 484: Internship	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses
AES OR AFR OR AIS OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR GPH OR HST OR ISS OR JUS OR MIS OR PHI OR PSY OR REL OR SGS OR SOC OR STS OR TCL OR WST Elective

**Notes:**

- Students must complete a minimum of 12 credit hours of POS courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Psychology, BA



School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus

LSPGSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 PSY 101: Introduction to Psychology (SB)	3	C	
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACO 100: All About Data: Design, Query, and Visualization (CS) OR  CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 PSY 230: Introduction to Statistics (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	
Global Awareness (G)	3		
Complete 3 courses:			

Elective	9
Term hours subtotal:	15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
★ PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB)	6	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
CED 250: Career Development (L)	3	C	
Upper Division Psychology Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
★ PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB)	6	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
Related Area Course	3	C	
Upper Division Psychology Electives	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
★ PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB)	6	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> </ul>
★ Upper Division Psychology Electives	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Electives	3	C	
Upper Division Elective OR PSY 484: Internship	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	12		

- Choose 12 credits below of psychology elective credits.



Hide Course List(s)/Track Group(s)

Psychology Upper Division Electives (12 Credit Hours)	Related Area Courses (6 Credit Hours)
PSY 304: Effective Thinking (L)	ASB Elective
PSY 306: Environmental Psychology (SB)	COM Elective
PSY 315: Personality Theory and Research (SB)	HSE Elective
PSY 325: Physiological Psychology	ISS Elective
PSY 330: Statistical Methods (CS)	POS Elective
PSY 369: Biology of Human Sexuality	SOC Elective
PSY 385: Psychology of Gender (SB)	
PSY 399: Supervised Research	
PSY 425: Biological Bases of Behavior (L)	
PSY 430: Industrial Psychology	
PSY 444: Adolescent Psychology and Psychopathology	
PSY 447: Psychology of Aging (SB)	
PSY 453: Organizational Behavior (SB)	
PSY 470: Psychopharmacology	
PSY 472: Clinical Psychology	
PSY 482: Social Influence and Consumer Behavior (SB)	

**Notes:**

- Students must complete a minimum of 12 credit hours of PSY courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map





### Psychology, BS



School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus

LSPGSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics courses.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest</b> area and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
ASU 101-UC: The ASU Experience	1		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACO 100: All About Data: Design, Query, and Visualization (CS) OR  CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 PSY 230: Introduction to Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>• Psychology BS majors are required to take one Life Science lab course and one Physical Science lab course meeting SG or SQ requirements in addition to two required university general studies science courses.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Life Science Lab Course - Applied Biological Science, Biology, or Microbiology	4	C	
Historical Awareness (H)	3		
Complete 2 courses: Elective	4		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Related Area Course	6	C	
Natural Science - Quantitative (SQ)	4		

Global Awareness (G)	3
Elective	3
Term hours subtotal:	16

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<p>Complete 2 courses:</p> <p>PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 330: Statistical Methods (CS) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB)</p>	6	C	<ul style="list-style-type: none"> <li>• <b>Network</b> in your career interest area.</li> </ul>
CED 250: Career Development (L)	3	C	
Upper Division Psychology Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<p>Complete 2 courses:</p> <p>PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 330: Statistical Methods (CS) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB)</p>	6	C	<ul style="list-style-type: none"> <li>• Psychology BS majors are required to take one Life Science lab course and one Physical Science lab course meeting an SG or SQ requirement in addition to two required university general studies science courses.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Physical Science Lab Course - Astronomy - Chemistry, Geology, or Physics	4	C	
Upper Division Psychology Electives	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<p>PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 330: Statistical Methods (CS) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB)</p>	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
★ Complete 2 courses: Upper Division Psychology Electives	6	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<p>Complete 2 courses:</p> <p>PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 330: Statistical Methods (CS) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB)</p>	6	C	
★ Upper Division Psychology Electives	3	C	

Elective OR PSY 484: Internship

3

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

Upper Division Psychology Electives (15 Credits)	Related Area Courses (6 Credit Hours)
PSY 304: Effective Thinking (L)	ASB Elective
PSY 306: Environmental Psychology (SB)	COM Elective
PSY 315: Personality Theory and Research (SB)	HSE Elective
PSY 325: Physiological Psychology	ISS Elective
PSY 369: Biology of Human Sexuality	POS Elective
PSY 385: Psychology of Gender (SB)	SOC Elective
PSY 399: Supervised Research	
PSY 425: Biological Bases of Behavior (L)	
PSY 430: Industrial Psychology	
PSY 444: Adolescent Psychology and Psychopathology	
PSY 447: Psychology of Aging (SB)	
PSY 453: Organizational Behavior (SB)	
PSY 470: Psychopharmacology	
PSY 472: Clinical Psychology	
PSY 482: Social Influence and Consumer Behavior (SB)	

**Notes:**

- Students must complete a minimum of 12 credit hours of PSY courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Science, Technology and Society, BS




School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus

ECSTSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STS 101: Introduction to Science, Technology, and Society (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Transfer students with 64 credit hours or more transferred must take STS 304 instead of STS 101.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Mathematics (MA) (MAT 142 recommended)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STS 110: Global Technology and Development (SB & G)	3	C	<ul style="list-style-type: none"> <li>• It is highly recommended that STS students take a statistics course for their (CS) general studies requirement.</li> <li>• Transfer students with 64 credit hours or more transferred must take STS 317 instead of STS 110.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Related Area Course	3	C	
Complete 2 courses:			

Elective	6
Term hours subtotal:	13

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 301: Research in Science and Technology Studies (SB) OR ISS 301: Integrated Social Science Research Methods (SB) OR POS 301: Empirical Political Inquiry (SB)	3	C	<ul style="list-style-type: none"> <li>• Students must select one Upper Division Track Focus Area to complete from choices below.</li> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ STS 305: Science and Social Theory (SB)	3	C	
Complete 2 courses:	6	C	
Upper Division Track Focus Area Course	6	C	
Related Area Course	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 303: History of Science and Technology (H)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
STS 302: Philosophy of Science and Technology (SB)	3	C	
Complete 2 courses:	6	C	
Upper Division Track Focus Area Course	6	C	
Related Area Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 306: Social Effects of Science and Technology (SB)	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division Track Focus Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 3 courses:	9		
Elective			
Complete STS 305 AND STS 306 course(s).			
Term hours subtotal:	18		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Students must select one "Upper Division Track Focus Area" to complete from choices below.</li> </ul>
Upper Division Track Focus Area Course	3	C	
Complete 2 courses:	6		
Upper Division Elective	6		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

General Science, Technology and Society Track Focus Area Option #1	Science, Tecnology and Governance Track Option #2	Global Technology and Development Track Option #3
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Select 18 upper division credits in consultation with STS Academic Advisor

POS 310: American National Government (SB)

STS 328: Science, Technology, and Culture (SB)

STS 318: Science, Technology, and Government (SB)

STS 329: Technology in Developing Countries (SB & G)

STS 325: Science, Technology, and Public Policy (SB)

STS 330: Information Technology and Globalization (SB & G)

STS 331: Ethical Issues in Science and Technology (SB)

STS 331: Ethical Issues in Science and Technology (SB)

STS 364: Science, Technology, and National Security (SB)

STS 332: Global Issues in Science and Technology (SB)

STS 425: Law, Values, Science, and Technology (SB)

STS 364: Science, Technology, and National Security (SB)

#### Related Area Courses

AES OR AFR OR AIS OR APA OR ASM OR COM OR ECN OR FAS OR GCU OR HST OR ISS OR JUS OR MIS OR POS OR PHI OR PSY OR REL OR SGS OR SOC OR TCL OR WST Elective

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Technical Communication, BS




School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus

LSTECBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
<i>Complete 2 courses:</i> Elective	6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Global Awareness (G)	3		
Historical Awareness (H)	3		

Complete 2 courses:	6
Elective	
Term hours subtotal:	16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ TWC 401: Fundamentals of Technical Communication (L)	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 421: Principles of Web Authoring (L)	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
★ TWC 431: Principles of Technical Editing	3	C	
Upper Division TWC 400-level Electives	3	C	
Upper Division Related Area Course	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 411: Principles of Visual Communication (L)	3	C	<ul style="list-style-type: none"> <li>TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.</li> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division TWC 400-level Electives	3	C	
TWC Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	

<i>Complete 2 courses:</i>	6	C
TWC Upper Division Elective		
Upper Division Related Area Course	3	C
Elective	3	
Term hours subtotal:	15	

- TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.
- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Hide Course List(s)/Track Group(s)

TWC 4** Electives
TWC 414: Visualizing Data and Information
TWC 422: Social Media in the Workplace
TWC 435: Global Issues in Technical Communication (G)
TWC 436: Project Management in Technical Communication
TWC 443: Grant & Proposal Writing
TWC 444: User Experience
TWC 445: Content Strategy
TWC 446: Technical and Scientific Reports (L)
TWC 451: Copyright and Intellectual Property in the Electronic Age
TWC 452: Information in the Digital Age
TWC 453: Information and Communications Technology in American History (L & H)
TWC 454: Information Technology and Culture (C)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.















## 2019 - 2020 Major Map

### Technical Communication, BS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Online](#)

LSTECBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in Mathematics course.</li> <li>• ASU 101 or college-specific equivalent First Year Seminar required of all Freshmen.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
 ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	7		
Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area course	3	C	<ul style="list-style-type: none"> <li>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete Mathematics (MA) requirement.			


Term hours subtotal: 6

career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 4 - A 38 - 44 Credit Hours	Hours	Minimum Grade	Notes
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Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 4 - B 44 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		


Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		



Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TWC 401: Fundamentals of Technical Communication (L)	3	C	<ul style="list-style-type: none"> <li>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> </ul>
Upper Division Related area course	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TWC 421: Principles of Web Authoring (L)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC 431: Principles of Technical Editing	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> </ul>
Upper Division Related area course	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC 411: Principles of Visual Communication (L)	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> </ul>
Upper Division Related area course	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division TWC 400-level Electives	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division TWC 400-level Electives	3	C	<ul style="list-style-type: none"> <li>TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.</li> </ul>
TWC Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours <b>Necessary course signified by</b>		Minimum	
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★	Hours	Grade	Notes
★ TWC Upper Division Elective	3	C	• TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

- TWC 400-level Electives
- TWC 414: Visualizing Data and Information
- TWC 422: Social Media in the Workplace
- TWC 435: Global Issues in Technical Communication (G)
- TWC 436: Project Management in Technical Communication
- TWC 443: Grant & Proposal Writing
- TWC 444: User Experience
- TWC 445: Content Strategy
- TWC 446: Technical and Scientific Reports (L)
- TWC 451: Copyright and Intellectual Property in the Electronic Age
- TWC 452: Information in the Digital Age
- TWC 453: Information and Communications Technology in American History (L & H)
- TWC 454: Information Technology and Culture (C)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:  
 • Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Technical Communication (User Experience), BS

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSTECUBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>	
ASU 101-UC: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Cultural Diversity in the U.S. (C)	3			
Mathematics (MA)	3			
Elective	3			
Term hours subtotal:	16			
<b>Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> </b>				
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3			
Humanities, Arts and Design (HU)	3			
Natural Science - Quantitative (SQ)	4			
Social-Behavioral Sciences (SB)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
<b>Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> </b>				
 Concentration Elective Course	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>	
Global Awareness (G)	3			
Humanities, Arts and Design (HU)	3			
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4			
Elective	3			
 Complete Mathematics (MA) requirement.				
Term hours subtotal:	16			
<b>Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> </b>				
 Concentration Elective Course	3	C	<ul style="list-style-type: none"> <li>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring -</li> </ul>	
 Related Area Course	3	C		
Historical Awareness (H)	3			
Complete 2 courses: Elective	6			
Term hours subtotal:	16			

Term hours subtotal: 15

courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
★ TWC 401: Fundamentals of Technical Communication (L)	3	C	
HSE 325: Human-Computer Interaction	3	C	
TWC Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC 411: Principles of Visual Communication (L)	3	C	<ul style="list-style-type: none"> <li>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
GIT 340: Information Design and Usability	3	C	
TWC 431: Principles of Technical Editing	3	C	
TWC Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC 421: Principles of Web Authoring (L)	3	C	<ul style="list-style-type: none"> <li>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
★ TWC 444: User Experience	3	C	
Upper Division Concentration Elective Course	3	C	
Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	<ul style="list-style-type: none"> <li>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your</li> </ul>
TWC 4** Elective	3	C	
Upper Division Related Area Course	3	C	

Elective OR TWC 484: Internship	3
Term hours subtotal:	12

career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Hide Course List(s)/Track Group(s)

Concentration Elective Courses (9 Credits total, 3 Upper Division Credits minimum)
GIT 210: Creative Thinking and Design Visualization
GIT 402: New Media Internet Technologies
HSE 224: Applied Social Science (SB)
HSE 225: Human Systems Integration
HSE 230: Statistics for Human Systems Research I (CS)
HSE 290: Experimental Methods for Human Systems Research (L)
HSE 324: Applied Cognitive Science (SB)
HSE 390: Qualitative Research Methods (L)
HSE 428: Judgment and Decision Making
TWC 414: Visualizing Data and Information
TWC 436: Project Management in Technical Communication
TWC 445: Content Strategy

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Technical Communication (User Experience), BS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Online](#)

LSTECUBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Test score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3		<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		
Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 26 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Concentration Elective Course	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		
Term 3 - B 32 - 38 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		

Complete Mathematics (MA) requirement.


Term hours subtotal: 6

Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 Concentration Elective Course	3	C	
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
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Term hours subtotal: 7

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 Related Area Course	3	C	
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Historical Awareness (H)	3		
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Term hours subtotal: 6

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.


Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
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Elective	3		
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Term hours subtotal: 6

- Build your professional connections --- join the [ASU Mentor Network](#)

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	
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HSE 325: Human-Computer Interaction	3	C	
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Term hours subtotal: 6

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TWC 401: Fundamentals of Technical Communication (L)	3	C	
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Elective	3		
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Term hours subtotal: 6

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TWC 421: Principles of Web Authoring (L)	3	C	
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TWC Upper Division Elective	3	C	
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 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
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Term hours subtotal: 6

- Use Handshake to research [employment opportunities](#).

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TWC 411: Principles of Visual Communication (L)	3	C	
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Elective	3
Term hours subtotal:	6

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
GIT 340: Information Design and Usability	3	C	
TWC 431: Principles of Technical Editing	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> </ul>
Upper Division Related Area Course	3	C	
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC 444: User Experience	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> <li>Apply for <b>full-time career opportunities</b></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses</li> </ul>
Upper Division Concentration Elective Course	3	C	
Term hours subtotal:	6		

should be selected in consultation with a Technical Communication advisor.

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
TWC 4** Elective	3	C	
Elective OR TWC 484: Internship	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Concentration Elective Courses (9 credits total, minimum 3 upper division credits)
GIT 210: Creative Thinking and Design Visualization
GIT 402: New Media Internet Technologies
HSE 230: Statistics for Human Systems Research I (CS)
HSE 290: Experimental Methods for Human Systems Research (L)
HSE 324: Applied Cognitive Science (SB)
TWC 414: Visualizing Data and Information
TWC 436: Project Management in Technical Communication
TWC 445: Content Strategy

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition



General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map Applied Computing, BS





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu




ASACOBBS




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. Student may elect to take an MA course if needed to prepare for MAT 210 in term 2.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• Completion of both ACO 101 and ACO 102 with a C or better fulfills the New College Language and Cultures requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101: The ASU New College Experience	1		
Historical Awareness (H)	3		
Mathematics (MA) OR Elective	3		
Elective	3		
Term hours subtotal:	16		





Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	<ul style="list-style-type: none"> <li>• Completion of both ACO 101 and ACO 102 with a C or better fulfills the New College Language and Cultures requirement.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
 MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		




Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 201: Data Structures and Algorithms (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b></li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			




Term hours subtotal: 15

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 240: Introduction to Programming Languages	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU study abroad</b>.</li> </ul>
 STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 5 62 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 320: Database Systems and Transaction Processing	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 ACO 330: Computer Networks	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	13		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 350: Systems Programming (CS)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 Upper Division Applied Computing Elective	3	C	
Upper Division Communication Elective	3	C	
Liberal Arts Elective	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Complete ACO 320 AND ACO 330 course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 484: Internship OR ACO 499: Individualized Instruction	3	C	<ul style="list-style-type: none"> <li>• Completion of ACO 320 and ACO 330 with a C or better is required to enroll in ACO 484 and ACO 499. ACO 484 and ACO 499 may not be taken concurrently, and is limited to a maximum of 3 hours per semester (six hours total in the major). Subject of study must include databases, networks or cyber-security; faculty approval required.</li> <li>• Gather <b>professional references</b>.</li> </ul>
 Upper Division Applied Computing Elective	3	C	
Upper Division Ethics and Diversity Elective	3	C	
Upper Division Liberal Arts Elective	3	C	
Liberal Arts Elective	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 484: Internship OR ACO 499: Individualized Instruction	3	C	<ul style="list-style-type: none"> <li>• Completion of ACO 320 and ACO 330 with a C or better is required to enroll in ACO 484 and ACO 499. ACO 484 and ACO 499 may not be taken concurrently, and is limited to a maximum</li> </ul>
 Upper Division Applied Computing Elective	3	C	
Upper Division Liberal Arts Elective	3	C	

Complete 2 courses:  
Upper Division Elective

6

Term hours subtotal: 15

of 3 hours per semester (six hours total in the major). Subject of study must include databases, networks or cyber-security; faculty approval required.

- Apply for full-time career opportunities.

Hide Course List(s)/Track Group(s)

Upper Division Applied Computing Electives	Upper Division Communication Elective	Upper Division Ethics and Diversity Elective
ACO 321: Database Development & Applications	COM 312: Communication, Conflict, and Negotiation	IAP 464: Media and Diversity (HU & G)
ACO 331: Network Design	COM 316: Gender and Communication (SB & C)	IAS 340: Bioethics (HU)
ACO 351: Governance, Risk and Compliance	COM 317: Nonverbal Communication	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)
ACO 361: Secure Coding Concepts	COM 353: Professional Communication	IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)
ACO 394: Special Topics	COM 371: Language, Culture, and Communication (SB & C & G)	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)
ACO 420: Big Data Systems	COM 400: Communication in Professions (HU & C)	PHI 306: Applied Ethics (HU)
ACO 421: Data Mining and Warehousing	COM 416: Gender and Race in the Media	PHI 360: Business and Professional Ethics (HU)
ACO 422: XML and Databases	COM 457: New Media	
ACO 423: Data Science	COM 459: Theory and Methods of Social Media Networks	
ACO 430: Wireless Networks	COM 463: Intercultural Communication in a Global Context (SB & G)	
ACO 431: Network Security	COM 471: Global Media and Cultural Identity (G)	
ACO 432: Distributed Systems	COM 477: Sport, Culture, and Discourses	
ACO 461: Security Operations		
ACO 494: Special Topics		
<b>Liberal Arts Electives</b>		
AMS Elective		
ARS Elective		
ASB Elective		
COM Elective		
ECN Elective		
ENG Elective		
ETH Elective		
HRC Elective		
HST Elective		
IAP Elective		
IAS Elective		

JHR Elective

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LAS Elective

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NEW Elective

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PAX Elective

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PHI Elective

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POS Elective

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PSY Elective

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REL Elective

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SBS Elective

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SOC Elective

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SPA Elective

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WST Elective

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Applied Computing (Cybersecurity), BS





School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASACOCBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. Student may elect to take an MA course in place of elective if needed to prepare for MAT 210 in term 2.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• Completion of both ACO 101 and ACO 102 with a C or better fulfills the New College Language and Cultures requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101: The ASU New College Experience	1		
PSY 101: Introduction to Psychology (SB)	3	C	
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	<ul style="list-style-type: none"> <li>• Completion of both ACO 101 and ACO 102 with a C or better fulfills the New College Language and Cultures requirement.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
 MAT 210: Brief Calculus (MA)	3	C	
COM 100: Introduction to Human Communication (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 201: Data Structures and Algorithms (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a></li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Humanities, Arts and Design (HU)	3		
Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			



Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ ACO 240: Introduction to Programming Languages	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU study abroad</b>.</li> </ul>
⚠ STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ACO 320: Database Systems and Transaction Processing	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ ACO 330: Computer Networks	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ACO 350: Systems Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b></li> </ul>
ACO 361: Secure Coding Concepts	3	C	
ACO 430: Wireless Networks	3	C	
Diversity Elective	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). Complete ACO 320 AND ACO 330 course(s).			
Term hours subtotal:	15		

Term 7 93 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ACO 484: Internship OR ACO 499: Individualized Instruction	3	C	<ul style="list-style-type: none"> <li>Completion of ACO 320 and ACO 330 with a C or better is required to enroll in ACO 484 and ACO 499. ACO 484 and ACO 499 may not be taken concurrently, and is limited to a maximum of 3 hours per semester (six hours total in the major). Subject of study requires faculty approval.</li> <li>If planning to take ACO 402 in Term 8, ACO 401 must be taken to fulfill Upper Division Cybersecurity Elective in Term 7 (ACO 401 is a prerequisite to ACO 402).</li> <li>If ACO 494 is taken to meet the Cybersecurity Elective requirement, it must be a security-related topic.</li> <li>Gather <b>professional references</b>.</li> </ul>
★ Upper Division Cybersecurity Elective	3	C	
ACO 431: Network Security	3	C	
ACO 461: Security Operations	3	C	
Term hours subtotal:	12		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ACO 484: Internship OR ACO 499: Individualized Instruction	3	C
ACO 351: Governance, Risk and Compliance OR ACO 402: Privacy, Ethics and Compliance Issues	3	C
Upper Division Communication Elective	3	C
Upper Division Ethics Elective AND Humanities, Arts and Design (HU)	3	C
Elective	3	
Term hours subtotal:		15

- Completion of ACO 320 and ACO 330 with a C or better is required to enroll in ACO 484 and ACO 499. ACO 484 and ACO 499 may not be taken concurrently, and is limited to a maximum of 3 hours per semester (six hours total in the major). Subject of study requires faculty approval.
- Apply for **full-time career opportunities**.

Hide Course List(s)/Track Group(s)

Upper Division Communication Elective	Upper Division Cybersecurity Elective	Diversity Elective
COM 312: Communication, Conflict, and Negotiation	ACO 401: Managing Cyber Risks in Enterprise Business Processes	ASB 211: Women in Other Cultures ((HU or SB) & G)
COM 316: Gender and Communication (SB & C)	ACO 494: Special Topics	COM 263: Elements of Intercultural Communication (SB & C & G)
COM 317: Nonverbal Communication	FOR 350: Computer Forensics	ENG 317: Cross-Cultural Writing ((L or HU) & G)
COM 353: Professional Communication		IAP 464: Media and Diversity (HU & G)
COM 415: Risk Communication		POS 480: Global Justice (G) or SBS 480: Global Justice (G)
COM 416: Gender and Race in the Media		PSY 385: Psychology of Gender (SB)
COM 459: Theory and Methods of Social Media Networks		SBS 301: Cultural Diversity ((L or SB) & C)
COM 471: Global Media and Cultural Identity (G)		WST 220: Gender, Media and Culture ((HU or SB) & C)
COM 477: Sport, Culture, and Discourses		WST 390: Women, Gender and Religion (HU & G) or REL 390: Women, Gender and Religion (HU & G)
Upper Division Ethics Elective		
IAS 340: Bioethics (HU)		
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)		
IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)		
IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)		
PHI 306: Applied Ethics (HU)		
PHI 360: Business and Professional Ethics (HU)		

**Total Hours: 120**

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map Applied Mathematics, BS




School/College: [New College of Interdisciplinary Arts and Sciences](#)


Location: [West campus](#)

ASMATBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>Mathematics Placement Assessment score determines placement in mathematics course. Student may elect to take an MA course if needed to prepare for MAT 210 in term 2.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
STP 280: Probability and Statistics for Researchers (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 275: Modern Differential Equations (MA)	3	C	

STP 281: Statistical Analysis for Researchers	3	C
Cultural Diversity in the U.S. (C)	3	
Humanities, Arts and Design (HU)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Term hours subtotal:	16	

- Explore an internship, an IGLE international experience, or ASU study abroad.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>• Develop your professional online presence</li> </ul>
★ MAT 343: Applied Linear Algebra	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 350: Techniques and Applications of Applied Mathematics	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
★ MAT 371: Advanced Calculus I	3	C	
★ MAT 421: Applied Computational Methods (CS)	3	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 452: Introduction to Chaos and Nonlinear Dynamics	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> </ul>
★ MAT 472: Intermediate Real Analysis I	3	C	
Upper Division Applied Math Elective	3	C	
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) or Upper Division Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( MAT 411 recommended)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 450: Mathematical Models in Biology OR MAT 451: Mathematical Modeling (CS)	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Applied Math Elective	3	C	
Upper Division Elective OR LSC 484: Internship	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

- Maximum of 6 credit hours of MAT 499. If also taking MAT 492, then only 3 credit hours of MAT 499 allowed.

Hide Course List(s)/Track Group(s)

Upper Division Applied Math Electives
ACO 320: Database Systems
ACO 331: Network Design
ACO 420: Big Data Systems
ACO 421: Data Mining and Warehousing
ACO 422: XML and Databases
ACO 423: Data Science
LSC 388: Research Fundamentals for the Natural Sciences (L)
MAT 419: Introduction to Linear Optimization (CS)
MAT 429: Optimization
MAT 443: Introduction to Abstract Algebra
MAT 445: Theory of Numbers or MAT 450: Mathematical Models in Biology
MAT 451: Mathematical Modeling (CS)
MAT 462: Applied Partial Differential Equations
MAT 492: Honors Directed Study
MAT 499: Individualized Instruction
STP 310: Design and Analysis of Experiments
STP 311: Regression and Time Series Analyses
STP 421: Probability
STP 427: Mathematical Statistics

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Applied Science, BAS

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASBASBAS

- Students may complete the BAS program requirements in 45-60 upper division credit hours, determined by choice of area of concentration and number of general studies requirements completed in AAS degree.
- Working with an advisor, students will select a minor available at ASU or construct an individualized concentration with a coherent theme or purpose.

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		
			<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IAS 300: Career Strategies and Personal Resilience (L or SB)	3	C	
EDT 321: Computer Literacy: Mobile Technologies and Your World (CS) OR SBS 304: Social Statistics I (CS)	3	C	
Complete 2 courses:	6		
Any needed lower division General Studies requirement OR Elective			
Term hours subtotal:	12		
			<ul style="list-style-type: none"> <li>• Core requirements and area of concentration courses may be used to apply toward general studies requirements, as allowed.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>

Term 6 72 - 84 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration Course	3	C	
IAS 305: Work and Identity (SB) OR COM 316: Gender and Communication (SB & C)	3	C	
Upper Division Aesthetics/Creativity AND Humanities, Arts and Design (HU)	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	12		
			<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentoring Network</b>.</li> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>

Term 7 84 - 102 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses:			



★ Upper Division Concentration Course	6	C
ENG 301: Writing for the Professions (L)	3	C
Upper Division Ethics AND Upper Division Humanities, Arts and Design (HU)	3	C
Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Upper Division Elective	3	
Any needed lower division General Studies requirement OR Elective	3	
Term hours subtotal:	18	

- Thinking about graduate school?  
Consider register for a grad school test prep course.
- Develop your professional online presence.
- Use Handshake to research employment opportunities.

Term 8 102 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 3 courses:			
Upper Division Concentration Course	9	C	
ENG 311: Persuasive Writing (L)	3	C	
IAS 480: Capstone: Practices and Approaches OR IAS 484: Internship	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	18		

- Complete an in person or virtual practice interview.
- Gather professional references.
- Apply for full-time career opportunities.

#### Hide Course List(s)/Track Group(s)

Aesthetics/Creativity	Ethics
ARS 300: Introduction to Art (HU)	IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)
IAP 301: Energetic Systems of Art: Collaboration in the Arts (HU)	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)
IAP 307: Art and War (HU & G)	IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)
IAP 464: Media and Diversity (HU & G)	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)
MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H)	IAS 410: Evolution of Ideas (L or HU)
MUS 347: Jazz in America (HU & C)	IAS 430: Science and Religion (L or HU)
MUS 349: Music in America (HU & H)	PHI 306: Applied Ethics (HU)
MUS 354: Popular Music (HU)	PHI 318: Philosophy of Religion (HU)
MUS 355: American Music (HU & C & H)	PHI 360: Business and Professional Ethics (HU)
MUS 410: History of Women in Music (HU & C & H)	PHI 408: Feminist Ethics (HU)
THE 320: History of the Theatre I (HU & H)	REL 401: Sacred Scriptures and Social Choices (HU & G)
THE 321: History of the Theatre II (HU & H)	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

#### General University Requirements Legend

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Biology, BA





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus




ASLSCBA



Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. Student may elect to take an MA course if needed to prepare for MAT 210 in term 2.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	15		



Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Physics Requirement Set A OR Physics Requirement Set B	4	C	<ul style="list-style-type: none"> <li>• Students will complete one of two sets of Physics course work over two terms. Choose either Set A or B below.</li> <li>• The only students who need the two semester sequence of organic chemistry courses (CHM 233, CHM 237, CHM 234 and CHM 238) are those who plan to apply to a graduate school in a health profession. All that is required for the degree is the one semester CHM 231 and CHM 235.</li> <li>• If student selects the two semester sequence of organic chemistry, then they will take CHM 234 and 238 in place of elective credits in Term 4.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

- Develop your **research skills**.
- Develop your **professional skills**.
- Build your professional connections - join the **ASU Mentor Network**

Term 4 43 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Physics Requirement Set A OR Physics Requirement Set B	4	C	<ul style="list-style-type: none"> <li>• Students will complete remaining option in chosen set of Physics course work.</li> <li>• The two semester sequence of organic chemistry courses is intended for students who plan to apply to a graduate school in a health profession. If student is pursuing the two semester sequence of organic chemistry courses and completed CHM 233 and CHM 237 in Term 3 then they should select CHM 234 and CHM 238 in Term 4.</li> <li>• Students who elected to take CHM 231 and CHM 235 in Term 3 should take a 4 credit elective in Term 4.</li> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU study abroad</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS) ( STP 226 recommended)	3		
Elective OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
 Complete CHM 113, CHM 116 course(s).			
Term hours subtotal:	17		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 LSC 347: Fundamentals of Genetics	3	C	<ul style="list-style-type: none"> <li>• Upper Division Biology Electives must be courses designated for Biology (or related) majors only, and should be courses that require BIO 181 and BIO 182 as a prerequisite at a minimum. Seek academic advising prior to enrollment.</li> <li>• Only 3 credit hours of BIO/LSC 493 or BIO/LSC 499 and 3 credit hours of BIO/LSC 484 allowed for Upper Division Biology Elective. IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Biology Elective Course	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 353: Cell Biology	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
BIO 320: Fundamentals of Ecology	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Elective	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:			
Upper Division Biology Elective Course	6	C	<ul style="list-style-type: none"> <li>Upper Division Biology Electives must be courses designated for Biology (or related) majors only, and should be courses that require BIO 181 and BIO 182 as a prerequisite at a minimum. Seek academic advising prior to enrollment.</li> <li>Only 3 credit hours of BIO/LSC 493 or BIO/LSC 499 and 3 credit hours of BIO/LSC 484 allowed for Upper Division Biology Elective.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Global Awareness (G)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:			
Upper Division Biology Elective Course	6	C	<ul style="list-style-type: none"> <li>Upper Division Biology Electives must be courses designated for Biology (or related) majors only, and should be courses that require BIO 181 and BIO 182 as a prerequisite at a minimum. Seek academic advising prior to enrollment.</li> <li>Only 3 credit hours of BIO/LSC 493 or BIO/LSC 499 and 3 credit hours of BIO/LSC 484 allowed for Upper Division Biology Elective.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Historical Awareness (H)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective OR LSC 484: Internship	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Upper Division Biology Elective Courses	Physics Requirement Set A	Physics Requirement Set B
BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	PHY 101: Introduction to Physics (SQ)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
BIO 331: Animal Behavior	GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)
BIO 345: Evolution		
BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory		
BIO 370: Vertebrate Zoology		
BIO 385: Comparative Invertebrate Zoology		
BIO 443: Applied Molecular Genetics and Genomics		

BIO 474: Herpetology

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LSC 363: Genes, Race, Gender, and Society  
(L)

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LSC 369: Biology of Human Sexuality

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MIC 443: The Microbial Universe AND MIC  
444: The Microbial Universe Laboratory

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PLB 300: Plant Diversity and Evolution (L or  
SG)

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PLB 310: The Flora of Arizona

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BCH Upper Division Elective

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BIO Upper Division Elective

---

LSC Upper Division Elective

---

MIC Upper Division Elective

---

PLB Upper Division Elective

---

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Biology, BS


School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus, ASU@Lake Havasu](#)

ASLSCBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Students considering medical school, graduate school, or research are encouraged to enroll in MAT 270 (and 271 the following semester) in place of MAT 210 so that they have a full year of calculus. This may require more than 120 hours to complete the degree.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR STP 226: Elements of Statistics (CS)	3	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Students taking MAT 270 AND MAT 271 in place of MAT 210 still must complete a Statistics course. Students wishing to take STP 226 can take MAT 271 in place of STP 226 in term 2, and then take STP 226 in a later term.</li> <li>• Students considering medical school, graduate school, or research are encouraged to enroll in STP 280 (and 281 the following semester) in place of STP 226 so that they have a full year of statistics. Note that MAT 270 and 271 are pre-reqs for STP 280 and 281 respectively. This may require more than 120 hours to complete the degree.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR STP 226: Elements of Statistics (CS)	3	C	
Elective	1		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> </ul>

CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB)	3	
◆ Complete First-Year Composition requirement.		
◆ Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Develop your **professional skills**.
- Build your professional connections - join the **ASU Mentor Network**.

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	• Explore an <b>internship</b> , an <b>IGLE international experience</b> , or <b>ASU Study Abroad</b> .
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Elective	2		
◆ Complete CHM 113, CHM 116 course(s).			
Term hours subtotal:	16		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	• Upper Division Related Area Elective must be courses designated for Biology (or related) majors only, and should be courses that require BIO 181 and BIO 182 as a prerequisite at a minimum. Seek advisor approval. A maximum of 3 credit hours from BIO/LSC 499 or BIO/LSC 493 and a maximum of 3 credit hours from BIO/LSC 484 may be applied to this requirement.
Upper Division Related Area Electives	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

- IAS 300 (3 credit hours) is required for all transfer students.
- Thinking about graduate school? Consider registering for a grad school **test prep course**.
- Develop your **professional online presence**.

Term 6 76 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory OR BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	• Students must select a minimum of one lecture or lecture/lab combined course from each one of the three distribution areas: 1. Cellular, Molecular, and Physiological Biology, 2. Integrative Systems Ecology, 3. Organismal Biology.
★ Upper Division Distribution Course	4	C	
Historical Awareness (H)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	

- Use Handshake to research **employment opportunities**.
- Complete an in person or virtual **practice interview**.



★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 14

Term 7 90 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Distribution Course	4	C	<ul style="list-style-type: none"> <li>Students must select a minimum of one lecture or lecture/lab combined course from each one of the three distribution areas: 1. Cellular, Molecular, and Physiological Biology, 2. Integrative Systems Ecology, 3. Organismal Biology.</li> <li>Upper Division Related Area Elective must be courses designated for Biology (or related) majors only, and should be courses that require BIO 181 and BIO 182 as a prerequisite at a minimum. Seek advisor approval. A maximum of 3 credit hours from BIO/LSC 499 or BIO/LSC 493 and a maximum of 3 credit hours from BIO/LSC 484 may be applied to this requirement.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Related Area Electives	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) ( ASB 353 OR SOC 353 recommended)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory OR BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	<ul style="list-style-type: none"> <li>Students must select a minimum of one lecture or lecture/lab combined course from each one of the three distribution areas: 1. Cellular, Molecular, and Physiological Biology, 2. Integrative Systems Ecology, 3. Organismal Biology.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
★ Upper Division Distribution Course	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective OR LSC 484: Internship	3		
Term hours subtotal:	14		

- Students must select a minimum of one lecture or lecture/lab combined course from each of the three distribution areas: 1. Cellular, Molecular and Physiological Biology, 2. Integrative Systems Ecology, and 3. Organismal Biology.

Hide Course List(s)/Track Group(s)

Cellular, Molecular and Physiological Biology Distribution Course List	Integrative Systems Ecology Distribution Course List	Organismal Biology Distribution Course List
BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	BIO 345: Evolution	BIO 331: Animal Behavior
BIO 431: Genes, Development, and Evolution (L)	BIO 422: Ecosystem Ecology	BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory
	ENV 410: Soil Science	BIO 370: Vertebrate Zoology
	LSC 362: The Human Environment	BIO 385: Comparative Invertebrate Zoology

BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory

PLB 300: Plant Diversity and Evolution (L or SG)

BIO 474: Herpetology AND MIC 443: The Microbial Universe

PTX 301: Basics of Pharmacology and Toxicology

MIC 444: The Microbial Universe Laboratory

PTX 432: Fundamentals of Pharmacology or LSC 432: Fundamentals of Pharmacology

PLB 302: Plants and Civilization (L)

PLB 308: Plant Physiology

Upper Division Related Area Electives

BIO Elective

ENV Elective

FOR Elective

LSC Elective

MIC Elective

PLB Elective

PTX Elective

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Biology (Pharmacology/Toxicology), BS

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASLSCPBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. Student may elect to take an MA course if needed to prepare for MAT 210 in term 2.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR STP 226: Elements of Statistics (CS)	3	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Students taking MAT 270 AND MAT 271 in place of MAT 210 still must complete a Statistics course. Students wishing to take STP 226 can take MAT 271 in place of STP 226 in term 2, and then take STP 226 in a later term.</li> <li>• Students considering medical school, graduate school, or research are encouraged to enroll in STP 280 (and 281 the following semester) in place of STP 226 so that they have a full year of statistics. Note that MAT 270 and 271 are pre-reqs for STP 280 and 281 respectively. This may require more than 120 hours to complete the degree.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a></li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR STP 226: Elements of Statistics (CS)	3	C	
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> </ul>

BIO 201: Human Anatomy and Physiology I (SG)	4	C
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C
Literacy and Critical Inquiry (L)	3	
❖ Complete CHM 113, CHM 116 course(s).		
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

- Build your professional connections - join the ASU Mentor Network

Term 4 45 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Explore an internship, an IGLE international experience, or ASU study abroad.</li> </ul>
BIO 202: Human Anatomy and Physiology II (SG)	4	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>• Develop your professional online presence.</li> </ul>
LSC 362: The Human Environment	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory	4	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 90 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	4	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> </ul>
★ PTX 432: Fundamentals of Pharmacology OR LSC 432: Fundamentals of Pharmacology	3	C	
MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following:			
* Completion of six semester hours of upper-division courses that have a			

Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Term hours subtotal: 14

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PTX 475: Principles of Toxicology OR LSC 475: Principles of Toxicology	3		• Apply for full-time career opportunities.
BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory	4	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) ( ASB 353 recommended)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Biotechnology and Bioenterprise, BS



School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASBITEBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• Focus Area determines MAT course: Biostatistics Focus Area complete MAT 270; Biotechnology or BioentrepreneurshipFocus Area complete MAT 210.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• General Electives credit hours will be adjusted depending on focus area chosen. Discuss with your advisor.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	15-16		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Focus Area determines STP/MAT course: Biostatistics Focus Area complete MAT 271; Biotechnology or BioentrepreneurshipFocus Area complete STP 226.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
STP 226: Elements of Statistics (CS) OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14-15		

Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	

LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
TMC 110: Understanding the Enterprise OR Elective	3	C
❖ Complete CHM 113 AND CHM 116 course(s).		
❖ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Term hours subtotal:	14	

- Bioentrepreneurship Focus Area complete TMC 110; other Focus Areas may complete a general elective.
- Develop your **research skills**.
- Develop your **professional skills**.
- Build your professional connections - join the **ASU Mentor Network**.

Term 4 43 - 61 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	• Explore an <b>internship</b> , an <b>IGLE international experience</b> , or <b>ASU Study Abroad</b> .
❖ Focus Area Course	4-3	C	
PHY 101: Introduction to Physics (SQ)	4	C	
TEM 230: Creativity and Business Innovation	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	18-17		

Term 5 61 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> .
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	13		

- Develop your **professional online presence**.

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Focus Area Course	4-3	C	• General Electives credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.
Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16-15		

- IAS 300 (3 credit hours) is required for all transfer students.
- Use Handshake to research **employment opportunities**.
- Complete an in person interview or virtual **practice interview**.

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory	4	C	• Focus Area Course: Biostatistics and Bioentrepreneurship Focus Area have remaining credits hours to take. General Electives credit hours will be adjusted. Discuss with your academic advisor.
Focus Area Course	2-0	C	
Upper Division Elective	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language	3	C	
Term hours subtotal:			

- Gather **professional references**.

or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Upper Division Elective	3
Term hours subtotal:	15-13

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LSC 484: Internship	3	C	• Apply for full-time career opportunities.
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- Students select one Focus Area and complete all courses listed for that Focus Area. General Electives credits hour will be adjusted depending on chosen Focus Area. Please consult your advisor.

Hide Course List(s)/Track Group(s)

Bioentrepreneurship Focus Area	Biostatistics Focus Area	Biotechnology Focus Area
TMC 310: Promotion of the Enterprise	STP 280: Probability and Statistics for Researchers (CS)	BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory
TMC 320: Funding the Enterprise	STP 281: Statistical Analysis for Researchers	BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory
TMC 330: Leading the Enterprise	STP 310: Design and Analysis of Experiments	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)



First-Year Composition



General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Communication, BA






School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus, ASU@Lake Havasu](#)



ASCOMMBA



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Historical Awareness (H)	3		
Term hours subtotal:	16		




Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
 COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

	Minimum
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Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 Communication Focus Area or Communication Elective Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE</b> international experience, or <b>ASU Study Abroad</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
<i>Complete 3 courses:</i>			
Elective	9		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
<i>Complete 2 courses:</i>			
Upper Division Communication Focus Area or Communication Elective Course	6	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person interview or virtual <b>practice interview</b>.</li> </ul>
Communication Focus Area or Communication Elective Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
 Upper Division Communication Focus Area or Communication Elective Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	

Complete 2 courses: 6  
 Elective

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses: ★ Upper Division Communication Focus Area or Communication Elective Course	6	C	• Apply for full-time career opportunities.
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

Students may fulfill major requirements by choosing one or more focus area. Each focus area will require 12 credit hour of coursework that combines required courses (3-6 credit hours) and recommended electives (3-9 credit hours). See course lists for elective requirements. Required courses for each focus area include:

Public Relations, Risk, and Strategic Communication focus area: COM 415 Risk Communication AND COM 454 Rhetorical and Critical Approaches to Public Relations

Media, Culture, and Social Technology focus area: COM 124 Media and Culture AND COM 457 New Media

Dialogue, Relationships, and Communities focus area: COM 312 Communication, Conflict and Negotiation OR COM 463 Intercultural Communication in a Global Context

Communication Training and Mentoring focus area: COM 383 Communication and Mentoring AND COM 453 Communication Training and Development

Sport Communication focus area: COM 294 Sport Communication OR SOC 220 Sport and Society AND COM 477 Sport, Culture and Discourses

Students can take up to 6 credit hours in the Major Electives from courses designated as COM Experiential Electives. An additional 6 credit hours of Experiential Electives may be taken outside the major, for a total of no more than 12 credit hours of Experiential Electives to be used towards graduation. No more than 6 credit hours of COM 498 may be used to meet major requirements. See an academic advisor prior to enrollment.

Hide Course List(s)/Track Group(s)

Public Relations, Risk, & Strategic Communication Focus Area (COM 415 AND COM 454 required)	Media, Culture and Social Technology (COM 124 and COM 457 are required)	Dialogue, Relationships, and Communities Focus Area (COM 312 or COM 463 required)
COM 415: Risk Communication AND COM 454: Rhetorical and Critical Approaches to Public Relations	COM 124: Media and Culture (C) AND COM 457: New Media	COM 312: Communication, Conflict, and Negotiation or COM 463: Intercultural Communication in a Global Context (SB & G)
COM 319: Persuasion and Social Influence (SB)	COM 316: Gender and Communication (SB & C)	COM 310: Relational Communication
COM 320: Communication and Consumerism (SB)	COM 324: Rhetoric and Media Criticism	COM 316: Gender and Communication (SB & C)
COM 353: Professional Communication	COM 371: Language, Culture, and Communication (SB & C & G)	COM 371: Language, Culture, and Communication (SB & C & G)
COM 414: Crisis Communication	COM 416: Gender and Race in the Media	COM 411: Communication in the Family (SB)
COM 422: Advanced Argumentation (L)	COM 424: Television Studies and Criticism	COM 417: Communication and Aging
COM 429: Semiotics and Visual Communication	COM 429: Semiotics and Visual Communication	COM 422: Advanced Argumentation (L)
COM 450: Organizational Communication (SB)	COM 463: Intercultural Communication in a Global Context (SB & G)	COM 423: Facilitating Collaboration and Dialogue

COM 453: Communication Training and Development	COM 471: Global Media and Cultural Identity (G)	COM 430: Leadership in Group Communication
COM 457: New Media	COM 477: Sport, Culture, and Discourses	COM 432: Forgiveness and Reconciliation
	COM 494: Crime, Communication and Media	COM 451: Communication and Work Relationships
	COM 455: Surveillance and Popular Culture	
Communication Training and Mentoring Focus Area (COM 383 AND COM 453 required)	Sport Communication Focus Area (COM 294 or SOC 220 AND COM 477 required)	COM Experiential Electives (Maximum 6 credit hours towards major)
COM 383: Communication and Mentoring AND COM 453: Communication Training and Development	COM 294: Sport Communication or SOC 220: Sport and Society (SB) AND COM 477: Sport, Culture, and Discourses	COM 294: Introduction to Communication and Mentoring
COM 312: Communication, Conflict, and Negotiation	AFR 375: Race, Gender and Sport (SB & C)	COM 314: Inner-City Families: The Cycle of Poverty
COM 316: Gender and Communication (SB & C)	COM 394: Soccer: The Global Game	COM 382: Classroom Apprenticeship
COM 325: Advanced Public Speaking (L)	COM 494: Interpersonal & Family Communication in Sport	COM 383: Communication and Mentoring
COM 430: Leadership in Group Communication	COM 494: Social Media & Sport Communication	COM 483: Advanced Communication and Mentoring
COM 451: Communication and Work Relationships	COM 494: Com in Sport Org	COM 484: Internship
COM 463: Intercultural Communication in a Global Context (SB & G)	HST 377: Sports in United States History	COM 499: Individualized Instruction
COM 483: Advanced Communication and Mentoring	NEW 300: International Cities Barcelona	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Communication, BS





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu



ASCOMMBS




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• Student should consult an advisor on (MA) course selection to ensure pre-requisites for selected Statistics/Research requirement are met.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	2		
Term hours subtotal:	15		




Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>• Student should select PSY 101 to meet (SB) requirement if interested in taking PSY 230 to satisfy 3 credit hours of Statistics/Research requirement.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Explore an internship, an IGLE international experience, or ASU Study Abroad.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>Develop your professional online presence.</li> </ul>
 PSY 330: Statistical Methods (CS) OR SBS 304: Social Statistics I (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
Complete 2 courses: Communication Focus Area or Communication Elective Course	6	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> <li>Complete an in person interview or virtual practice interview.</li> </ul>
Complete 2 courses: Upper Division Communication Focus Area or Communication Elective Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses:  Upper Division Communication Focus Area or Communication Elective Course	6	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition			

to the courses used to meet the University General Studies requirements 3 C  
 or four (4) sequential semesters of one foreign language or two (2)  
 semesters of a current computer language. Adjustment to upper division  
 hours is required if lower division courses are used.

Upper Division Elective	3
Elective	3
Term hours subtotal:	15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
★ Upper Division Communication Focus Area or Communication Elective Course	6	C	• Apply for full-time career opportunities.
Upper Division Elective OR COM 484: Internship	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Students may fulfill major requirements by choosing one or more focus area. Each focus area will require 12 credit hour of coursework that combines required courses (3-6 credit hours) and recommended electives (3-9 credit hours). See course lists for elective requirements. Required courses for each focus area include:

Public Relations, Risk, and Strategic Communication focus area: COM 415 Risk Communication AND COM 454 Rhetorical and Critical Approaches to Public Relations

Media, Culture, and Social Technology focus area: COM 124 Media and Culture AND COM 457 New Media.

Dialogue, Relationships, and Communities focus area: COM 312 Communication, Conflict and Negotiation OR COM 463 Intercultural Communication in a Global Context

Communication Training and Mentoring focus area: COM 383 Communication and Mentoring AND COM 453 Communication Training and Development

Sport Communication focus area: COM 294 Sport Communication OR SOC 220 Sport and Society AND COM 477 Sport, Culture and Discourses

Students can take up to 6 credit hours in the Major Electives from courses designated as COM Experiential Electives. An additional 6 credit hours of Experiential Electives may be taken outside the major, for a total of no more than 12 credit hours of Experiential Electives to be used towards graduation. No more than 6 credit hours of COM 498 may be used to meet major requirements. See an academic advisor prior to enrollment.

Hide Course List(s)/Track Group(s)

Public Relations, Risk, & Strategic Communication Focus Area (COM 415 AND COM 454 required)	Media, Culture and Social Technology (COM 124 and COM 457 are required)	Dialogue, Relationships, and Communities Focus Area (COM 312 or COM 463 required)
COM 415: Risk Communication AND COM 454: Rhetorical and Critical Approaches to Public Relations	COM 124: Media and Culture (C) AND COM 457: New Media	COM 312: Communication, Conflict, and Negotiation or COM 463: Intercultural Communication in a Global Context (SB & G)
COM 319: Persuasion and Social Influence (SB)	COM 316: Gender and Communication (SB & C)	COM 310: Relational Communication
COM 320: Communication and Consumerism (SB)	COM 324: Rhetoric and Media Criticism	COM 316: Gender and Communication (SB & C)
COM 353: Professional Communication	COM 371: Language, Culture, and Communication (SB & C & G)	COM 371: Language, Culture, and Communication (SB & C & G)
COM 414: Crisis Communication	COM 416: Gender and Race in the Media	COM 411: Communication in the Family (SB)
	COM 424: Television Studies and Criticism	COM 417: Communication and Aging



COM 422: Advanced Argumentation (L)	COM 429: Semiotics and Visual Communication	COM 422: Advanced Argumentation (L)
COM 429: Semiotics and Visual Communication	COM 455: Surveillance and Popular Culture	COM 423: Facilitating Collaboration and Dialogue
COM 450: Organizational Communication (SB)	COM 463: Intercultural Communication in a Global Context (SB & G)	COM 430: Leadership in Group Communication
COM 453: Communication Training and Development	COM 471: Global Media and Cultural Identity (G)	COM 432: Forgiveness and Reconciliation
COM 457: New Media	COM 477: Sport, Culture, and Discourses	COM 451: Communication and Work Relationships
	COM 494: Crime, Communication and Media	
Communication Training and Mentoring Focus Area (COM 383 AND COM 453 required)	Sport Communication Focus Area (COM 294 or SOC 220 AND COM 477 required)	COM Experiential Electives - Maximum 6 credit hours towards major
COM 383: Communication and Mentoring AND COM 453: Communication Training and Development	COM 294: Sport Communication or SOC 220: Sport and Society (SB) AND COM 477: Sport, Culture, and Discourses	COM 294: Introduction to Communication and Mentoring
COM 312: Communication, Conflict, and Negotiation	AFR 375: Race, Gender and Sport (SB & C)	COM 314: Inner-City Families: The Cycle of Poverty
COM 316: Gender and Communication (SB & C)	COM 394: Soccer: The Global Game	COM 382: Classroom Apprenticeship
COM 325: Advanced Public Speaking (L)	COM 494: Interpersonal & Family Communication in Sport	COM 383: Communication and Mentoring
COM 430: Leadership in Group Communication	COM 494: Social Media & Sport Communication	COM 484: Internship
COM 451: Communication and Work Relationships	COM 494: Com in Sport Org	COM 483: Advanced Communication and Mentoring
COM 463: Intercultural Communication in a Global Context (SB & G)	HST 377: Sports in United States History	COM 499: Individualized Instruction
COM 483: Advanced Communication and Mentoring	NEW 300: International Cities Barcelona	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Computational Forensics, BS




School/College: New College of Interdisciplinary Arts and Sciences



Location: West campus

ASCPFBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>career interest</b> area and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FOR 105: Physical Evidence and the Crime Scene (SQ)	4	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	15		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FOR 106: Biology Behind the Crime Scene (SQ)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> </ul>
ACO 201: Data Structures and Algorithms (CS)	3	C	
STP 280: Probability and Statistics for Researchers (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement. Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 275: Modern Differential Equations (MA)	3	C	<ul style="list-style-type: none"> <li>• Explore an internship, ASU study abroad, or an <b>IGLE</b> international experience.</li> </ul>
ACO 240: Introduction to Programming Languages	3	C	
STP 281: Statistical Analysis for Researchers	3	C	
Literacy and Critical Inquiry (L)	3		

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 243: Discrete Mathematical Structures OR MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Develop your professional online presence</li> </ul>
MAT 343: Applied Linear Algebra	3	C	
STP 310: Design and Analysis of Experiments	3	C	
STP 311: Regression and Time Series Analyses	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 350: Techniques and Applications of Applied Mathematics	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities</li> </ul>
STP 450: Nonparametric Statistics	3	C	
Computational Forensics Elective	3-4	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACO 320: Database Systems	3	C	
Computational Forensics Elective	3-4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15-16		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FOR 350: Computer Forensics	3	C	
ACO 423: Data Science	3	C	
Computational Forensics Elective	3-4	C	
Complete 2 courses: Upper Division Elective OR ACO 484: Internship OR FOR 484: Internship OR MAT 484: Internship OR STP 484: Internship	6		
Term hours subtotal:	15-16		

Hide Course List(s)/Track Group(s)

Computational Forensics Elective

BIO 181: General Biology I (SQ)

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BIO 182: General Biology II (SG)

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CHM 113: General Chemistry I (SQ)

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CHM 116: General Chemistry II (SQ)

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CHM 233: General Organic Chemistry I AND  
CHM 237: General Organic Chemistry  
Laboratory I

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CHM 234: General Organic Chemistry II  
AND CHM 238: General Organic Chemistry  
Laboratory II

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FOR 286: Principles of Forensic Science

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FOR 402: Forensic Biology

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LSC 347: Fundamentals of Genetics AND  
LSC 348: Fundamentals of Genetics  
Laboratory

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MAT 421: Applied Computational Methods  
(CS)

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MAT 450: Mathematical Models in Biology

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MAT 452: Introduction to Chaos and  
Nonlinear Dynamics

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Conflict Resolution, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASCNRBA

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101: The ASU New College Experience	1		
Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Conflict Resolution Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Conflict Resolution Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
Historical Awareness (H)	3	C	
Humanities, Arts and Design (HU)	3	C	
Literacy and Critical Inquiry (L)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAX 230: Introduction to Peace Studies (G) OR JHR 100: Introduction to Social Justice and Human Rights (SB & G)	3	C	

Conflict Resolution Program Elective	3	C
Humanities, Arts and Design (HU)	3	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Elective	3	
Term hours subtotal:	15	

- Conflict Resolution Program Elective: choose a course from any track area.
- Explore an **internship**, an **IGLE international experience**, or **ASU Study Abroad**.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 312: Communication, Conflict, and Negotiation	3	C	<ul style="list-style-type: none"> <li>• Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 310: Relational Communication	3	C	<ul style="list-style-type: none"> <li>• Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.</li> <li>• Conflict Resolution Program Elective: choose a course from any track area.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Complete 2 courses: Upper Division Conflict Resolution Focus Area Course	6	C	
Conflict Resolution Program Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Conflict Resolution Focus Area Course	6	C	<ul style="list-style-type: none"> <li>• Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NEW 484: Internship OR NEW 493: Honors Thesis (L) OR NEW 499: Individualized Instruction	3	C	<ul style="list-style-type: none"> <li>• Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ Complete 2 courses: Upper Division Conflict Resolution Focus Area Course	6	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

- Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.

Hide Course List(s)/Track Group(s)

Communication and Ethics	Global Awareness and Historical Context	Interpersonal Dynamics
COM 230: Small Group Communication (SB)	HST 355: Total War and the Crisis of Modernity (SB & G & H)	COM 263: Elements of Intercultural Communication (SB & C & G)
COM 414: Crisis Communication	HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)	COM 316: Gender and Communication (SB & C)
COM 415: Risk Communication	HST 454: History of Genocide (G & H)	COM 317: Nonverbal Communication
COM 430: Leadership in Group Communication	IAP 307: Art and War (HU & G)	COM 353: Professional Communication
ENG 456: Studies in Forensic Linguistics or PAX 456: Studies in Forensic Linguistics	LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)	COM 371: Language, Culture, and Communication (SB & C & G)
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	POS 260: Current Issues in International Politics ((L or SB) & G)	COM 451: Communication and Work Relationships
PHI 306: Applied Ethics (HU)	POS 480: Global Justice (G) or SBS 480: Global Justice (G)	COM 423: Facilitating Collaboration and Dialogue
PHI 360: Business and Professional Ethics (HU)	SOC 445: Globalization, Development, and Resistance (SB & G)	COM 432: Forgiveness and Reconciliation
		IAS 305: Work and Identity (SB)
		PHI 360: Business and Professional Ethics (HU)
Politics and Social Problems		
AMS 380: Race, Gender, and Class (SB & C) or ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C)		
AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)		
ENG 456: Studies in Forensic Linguistics or PAX 456: Studies in Forensic Linguistics		
POS 230: Current Issues in National Politics (L or SB)		



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POS 470: Law and the Political Order (SB)

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POS 475: Morality and Politics

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SOC 241: Modern Social Problems (SB)

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SOC 270: Racial and Ethnic Relations (SB & C)

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SOC 352: Social Change (SB & G & H)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Disability Studies, BA





School/College: New College of Interdisciplinary Arts and Sciences



Location: West campus

ASDISASBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DST 101: Introduction to Disability Studies	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Global Awareness (G)	3		<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		

Complete 2 courses: 6  
 Elective

Term hours subtotal: 16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Develop your professional online presence.</li> </ul>
★ Complete 2 courses: Upper Division Disability Studies Electives	6	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DST 322: Social and Cultural Implications of the Many Forms of Disability OR DST 458: Disability and Communication Advocacy	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> </ul>
★ Complete 2 courses: Upper Division Disability Studies Electives	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Disability Studies Electives	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HRC 480: Capstone: Practices and Approaches (L) OR IAP 484: Internship	3	C	
Complete 2 courses:			

★ Upper Division Disability Studies Electives	6	C
Elective	3	
Term hours subtotal:	12	

Hide Course List(s)/Track Group(s)

Upper Division Disability Studies Electives

AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)

AMS 469: Abject Bodies and the Politics of Trash (SB & C) or ETH 469: Abject Bodies and the Politics of Trash (SB & C) or WST 469: Abject Bodies and the Politics of Trash (SB & C)

ASB 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB)

BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)

COM 421: Rhetoric of Social Issues (HU)

DST 322: Social and Cultural Implications of the Many Forms of Disability or DST 458: Disability and Communication Advocacy

ENG 469: Science and Literature (L or HU)

HRC 494: Veterans and Critical Disability Studies

IAP 464: Media and Diversity (HU & G)

IAP 494: Accessibility in Digital Arts and Design

IAP 494: Disability and Aesthetics

JUS 301: Research in Justice Studies (SB)

JUS 437: The Social Construction of Disability and Justice

JUS 494: Policy, Advocacy and Disability

SOC 352: Social Change (SB & G & H)

SOC 400: Perspectives on Aging (SB)

SOC 426: Social Inequality (SB)

WST 444: Gender, Health, and Bodies (SB)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map

### English, BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASENGBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition</p>	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		
<p>Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> </p>	Hours	Minimum Grade	Notes
<p>ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition</p>	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		
<p>Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> </p>	Hours	Minimum Grade	Notes
<p> ENG 200: Critical Reading and Writing About Literature (L or HU)</p>	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
ENG Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Elective	3		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement. Term hours subtotal:	15		
<p>Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> </p>	Hours	Minimum Grade	Notes

❗ Complete 2 courses: ENG Elective	6	C
Historical Awareness (H)	3	
Humanities, Arts and Design (HU)	3	
Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	15	

- Explore an [internship](#), an [IGLE international experience](#), or [ASU Study Abroad](#)

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Identities, Communities, & Social Practices	3	C	<ul style="list-style-type: none"> <li>• An ENG upper division special topics course will satisfy the Identities, Communities, and Social Practices requirement if the course topic focuses explicitly upon issues of identities, communities, and social practice; please see your academic advisor before enrollment.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a <a href="#">grad school test prep course</a>.</li> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
Complete 2 courses: ENG Upper Division Elective	6	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Theories and Practices of Writing	3	C	<ul style="list-style-type: none"> <li>• An ENG upper division special topics course will satisfy the Transnational, Linguistic, &amp; Textual Circulation requirement if the course topic focuses explicitly upon issues of transnationalism &amp; textual circulation; please see your academic advisor before enrollment.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
★ Transnational, Linguistic, & Textual Circulation	3	C	
Complete 2 courses: ENG Upper Division Elective	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> </ul>
Literature & Culture, Pre-1860 OR Literature & Culture, Post-1860	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR IAS 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	15		

		Minimum	
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Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
★ ENG Upper Division Elective	3	C	• Apply for full-time career opportunities.
Literature & Culture, Pre-1860 OR Literature & Culture, Post-1860	3	C	
Complete 2 courses:	6		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

- Students will complete one course from each distribution cluster. At least two courses from the cluster requirements (six credit hours) must be at the 400-level.

Hide Course List(s)/Track Group(s)

Upper Division Identities, Communities, & Social Practices	Literature & Culture, Pre-1860	Literature & Culture, Post-1860
ENG 312: English in its Social Setting (L or HU or SB)	ENG 221: Survey of English Literature (HU)	ENG 222: Survey of English Literature (HU & H)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ENG 241: Literatures of the United States to 1860 ((L or HU) & C)	ENG 242: Literatures of the United States, 1860 to Present (HU)
ENG 400: History of Literary Criticism (L or HU)	ENG 315: Medieval Literature in Translation (HU)	ENG 334: The American Southwest in Literature and Film ((L or HU) & C)
ENG 401: Topics in Critical Theory	ENG 321: Shakespeare (L or HU)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
ENG 420: Multicultural Autobiographies ((L or HU) & C)	ENG 328: The Novel to Jane Austen (HU & H)	ENG 369: Science Fiction Studies
ENG 440: Studies in American Literature and Culture (HU)	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ENG 386: American Gothic
ENG 454: Gender and Literature (L or HU)	ENG 415: Studies in Medieval Literature and Culture (HU)	ENG 431: Whitman and Dickinson (L or HU)
ENG 456: Studies in Forensic Linguistics	ENG 416: Chaucer in Middle English (HU)	ENG 437: The American Novel, 1900 - 1960 (L or HU)
ENG 460: Ethnic Women Writers	ENG 421: Studies in Shakespeare (L or HU)	ENG 438: American Novel Since 1960 (L or HU)
ENG 461: Studies in Women and Literature (HU)	ENG 423: Renaissance Drama (L or HU)	ENG 440: Studies in American Literature and Culture (HU)
ENG 462: Africana Literature (HU & G)	ENG 425: Studies in Romanticism (HU)	ENG 450: The British Novel (HU)
ENG 463: African American Literature	ENG 432: The American Renaissance (HU)	ENG 471: Literature for Young Adults (HU)
ENG 472: Rhetorical Studies (L)	ENG 440: Studies in American Literature and Culture (HU)	ENG 478: Studies in Modernism (L or HU)
ENG 479: Studies in Postmodernism (HU & G)		ENG 479: Studies in Postmodernism (HU & G)
Theories and Practices of Writing	Transnational, Linguistic, & Textual Circulation	
ENG 205: Introduction to Writing, Rhetorics and Literacies (L)	ENG 213: Introduction to the Study of Language	
ENG 311: Persuasive Writing (L)		
ENG 323: Rhetoric and Grammar (L)		



ENG 335: American Poetry	ENG 317: Cross-Cultural Writing ((L or HU) & G)
ENG 361: Scriptwriting	ENG 333: American Ethnic Literature ((L or HU) & C)
ENG 379: Travel Writing (L)	ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice	ENG 379: Travel Writing (L)
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice	ENG 413: History of English Language (HU)
ENG 410: Writing for Publication	ENG 462: Africana Literature (HU & G)
ENG 457: Studies in American Poetry (HU)	ENG 498: Reading Englands Literary Landscapes (L)
ENG 490: Literary Forms: Theory and Practice in Poetry	NEW 300: International Cities

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map

### English (Secondary Education), BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASENGSEBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• By the end of term 4, a minimum 2.5 cumulative GPA is required in order to progress into the iTeachAZ Program.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) (SPE 222 recommended)	3		
Term hours subtotal:	14		
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Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Computer Literacy: Mobile Technologies and Your World (CS) OR Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3		
Elective	2		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	15		
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Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
Complete 2 courses: ENG Elective	6	C	
Global Awareness (G)	3		
Elective	3		

- ❖ Complete First-Year Composition requirement.

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  - ❖ Complete Mathematics (MA) requirement.

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  - ❖ Milestone: Complete online Intent to Progress form (meet with advisor).

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  - ❖ Milestone: Meet with Teachers College advisor.

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- Term hours subtotal: 15

Term 4 44 - 59 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ Literature & Culture, Pre-1860	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU study abroad</b>.</li> </ul>
❖ <i>Complete 2 courses:</i> ENG 2** Elective OR ENG 3** Elective OR ENG 4** Elective	6	C	
EDP 313: Childhood and Adolescence (SB) OR TEL 315: Child and Adolescent Development (L or SB)	3	C	
Humanities, Arts and Design (HU)	3		
❖ Milestone: Attend enrollment workshop.			
❖ Milestone: Must attend iTeachAZ orientation the semester prior to starting field experience.			
❖ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 59 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> ENG Upper Division Elective	6	C	<ul style="list-style-type: none"> <li>• An ENG upper division special topics course will satisfy the Identities, Communities, and Social Practices requirement if the course topic focuses explicitly upon issues of identities, communities, and social practice. Please see your academic advisor before enrollment.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ Identities, Communities, & Social Practices	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SED 398: Clinical Experience	1	C	<ul style="list-style-type: none"> <li>• An ENG upper division special topics course will satisfy the Transnational, Linguistic, &amp; Textual Circulation requirement if the course topic focuses explicitly upon issues of transnationalism &amp; textual circulation. Please see your academic advisor before enrollment.</li> </ul>
★ Literature and Culture Post 1860	3	C	
★ Theories and Practices of Writing	3	C	
★ Transnational, Linguistic, & Textual Circulation	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following:			

\* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.
- If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College.
- Use Handshake to research **employment opportunities**.
- Complete an in person or virtual **practice interview**.

Term 7 90 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.</li> <li>• RDG 323, SED 322, TEL 311, SED 496 are offered in the fall semester at the West campus.</li> <li>• If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College.</li> <li>• Gather <b>professional references</b>.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 403: Secondary Principles, Curriculum and Methods	3	C	
★ SED 496: Clinical Experience III	1	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	11-12	C	<ul style="list-style-type: none"> <li>• SPE 417 is offered in the spring semester at the West campus.</li> <li>• If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14-15		

- Students must complete two of the courses in the major at the 400-level.

Hide Course List(s)/Track Group(s)

Identities, Communities, & Social Practices	Literature & Culture, Pre-1860	Literature & Culture, Post-1860
ENG 312: English in its Social Setting (L or HU or SB)	ENG 221: Survey of English Literature (HU)	ENG 222: Survey of English Literature (HU & H)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ENG 241: Literatures of the United States to 1860 ((L or HU) & C)	ENG 242: Literatures of the United States, 1860 to Present (HU)
ENG 400: History of Literary Criticism (L or HU)	ENG 315: Medieval Literature in Translation (HU)	ENG 334: The American Southwest in Literature and Film ((L or HU) & C)
ENG 401: Topics in Critical Theory	ENG 321: Shakespeare (L or HU)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
ENG 420: Multicultural Autobiographies ((L or HU) & C)	ENG 328: The Novel to Jane Austen (HU & H)	ENG 369: Science Fiction Studies

ENG 440: Studies in American Literature and Culture (HU)	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ENG 386: American Gothic
ENG 454: Gender and Literature (L or HU)	ENG 415: Studies in Medieval Literature and Culture (HU)	ENG 431: Whitman and Dickinson (L or HU)
ENG 456: Studies in Forensic Linguistics	ENG 416: Chaucer in Middle English (HU)	ENG 437: The American Novel, 1900 - 1960 (L or HU)
ENG 460: Ethnic Women Writers	ENG 421: Studies in Shakespeare (L or HU)	ENG 438: American Novel Since 1960 (L or HU)
ENG 461: Studies in Women and Literature (HU)	ENG 423: Renaissance Drama (L or HU)	ENG 440: Studies in American Literature and Culture (HU)
ENG 462: Africana Literature (HU & G)	ENG 425: Studies in Romanticism (HU)	ENG 450: The British Novel (HU)
ENG 463: African American Literature	ENG 432: The American Renaissance (HU)	ENG 471: Literature for Young Adults (HU)
ENG 472: Rhetorical Studies (L)	ENG 440: Studies in American Literature and Culture (HU)	ENG 478: Studies in Modernism (L or HU)
ENG 479: Studies in Postmodernism (HU & G)		ENG 479: Studies in Postmodernism (HU & G)
<b>Theories and Practices of Writing</b>	<b>Transnational, Linguistic, &amp; Textual Circulation</b>	
ENG 205: Introduction to Writing, Rhetorics and Literacies (L)	ENG 213: Introduction to the Study of Language	
ENG 311: Persuasive Writing (L)	ENG 317: Cross-Cultural Writing ((L or HU) & G)	
ENG 323: Rhetoric and Grammar (L)	ENG 333: American Ethnic Literature ((L or HU) & C)	
ENG 335: American Poetry	ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	
ENG 361: Scriptwriting	ENG 379: Travel Writing (L)	
ENG 379: Travel Writing (L)	ENG 413: History of English Language (HU)	
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice	ENG 462: Africana Literature (HU & G)	
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice	ENG 498: Reading Englands Literary Landscapes (L)	
ENG 410: Writing for Publication	NEW 300: International Cities	
ENG 457: Studies in American Poetry (HU)		
ENG 490: Literary Forms: Theory and Practice in Poetry		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Environmental Science, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu

ASENVBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into mathematics courses.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 is required in place of NEW 101 for transfer students.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 170: Precalculus (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	15		
Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
STP 226: Elements of Statistics (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENV 201: Fundamentals of Environmental Science	3	C	<ul style="list-style-type: none"> <li>• PHY 101 is required. Student may choose either GLG 108 or GLG 101+ENV 103.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet			
 (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND	4	C	
ENV 103: Field and Lab Geology for Environmental Science			
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
OGL 240: Introduction to Project Management	3	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		
Term 4 43 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❗ PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Field and Lab Geology for Environmental Science	4	C
ECN 212: Microeconomic Principles (SB)	3	C
GPH 210: Society and Environment (G)	3	C
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C
Social Science Elective	3	C
Term hours subtotal:	16	

- PHY 101 is required. Student may choose either GLG 108 or GLG 101+ENV 103.
- Explore an **internship**, an **IGLE international experience** or **ASU Study Abroad**.

Term 5 59 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 302: Environmental Chemistry	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Completion of Upper Division Ethics Electives in Term 5 and 8 will satisfy HU requirements.</li> <li>• Thinking about graduate school? Consider registering for a graduate <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
LSC 347: Fundamentals of Genetics	3	C	
Social Science Elective	3	C	
Upper Division Humanities, Arts and Design (HU) AND Upper Division Ethics/Humanities Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3	C	
Term hours subtotal:	15		

Term 6 74 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory	4	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
SOC 331: Environmental Sociology (SB & G)	3	C	
Upper Division Science Elective AND Upper Division Literacy and Critical Inquiry (L) ( ENV 388 recommended)	3	C	
Upper Division Science Elective	3-4	C	
Cultural Diversity in the U.S. (C) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16-17		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENV 345: Spatial Analysis in the Environmental Sciences	3	C	<ul style="list-style-type: none"> <li>• If student chooses a 4 credit course for the upper division science elective requirement, 3 credits of general electives will need to be completed.</li> <li>• Completion of the Upper Division Cultural Diversity in the U.S. (C) or Upper Division Global Awareness (G) AND SOC 331 in Term 6 satisfies the New College Language and Cultures requirement.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Complete 2 courses:			
Upper Division Science Elective	6-8	C	
Social Science Elective	3	C	
Upper Division Cultural Diversity in the U.S. (C) OR Upper Division Global Awareness (G)	3	C	
Term hours subtotal:	15-17		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENV 385: Environmental Impact Assessment	3	C	<ul style="list-style-type: none"> <li>• If student completed two 4-credit courses for the upper division science electives requirement, no additional credits for upper division science electives will be required this term.</li> </ul>
Upper Division Humanities, Arts and Design (HU) AND Upper Division Ethics/Humanities Elective	3	C	
Elective	3-4		



Upper Division Social Science Elective	3	C
Elective OR ENV 484: Internship	3	
Term hours subtotal:	15-16	

- Completion of Upper Division Ethics/Humanities Electives in Term 5 and 8 will satisfy HU requirements.
- Apply for full-time career opportunities.

Hide Course List(s)/Track Group(s)

Upper Division Ethics/Humanities Electives	Upper Division Science Electives	Social Science Electives
IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)	BIO 331: Animal Behavior	ABS 381: Natural Resources Policy
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	BIO 360: Animal Physiology	ABS 479: Ecosystem Management and Planning (L)
IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)	BIO 370: Vertebrate Zoology	ASB 272: Environmental Justice (SB)
IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)	BIO 385: Comparative Invertebrate Zoology	ASB 326: Human Impacts on Ancient Environments (SB & H)
PHI 360: Business and Professional Ethics (HU)	BIO 410: Techniques in Conservation Biology and Ecology (L)	ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G)
	BIO 412: Conservation in Practice	COM 312: Communication, Conflict, and Negotiation
	BIO 422: Ecosystem Ecology	COM 430: Leadership in Group Communication
	BIO 426: Limnology (L)	ECN 211: Macroeconomic Principles (SB)
	BIO 474: Herpetology	ERM 428: International Environmental Management (G)
	BIO 499: Individualized Instruction	HST 345: Environmental History (L)
	ENV 388: Research Fundamentals for the Natural Sciences (L)	OGL 200: Introduction to Organizational Leadership (SB)
	ENV 410: Soil Science	OGL 300: Theory and Practice of Leadership
	ENV 484: Internship	OGL 355: Leading Organizational Innovation and Change
	ENV 492: Honors Directed Study	POS 110: American Government and Politics (SB)
	ENV 499: Individualized Instruction	POS 331: Public Opinion (SB)
	LSC 484: Internship	POS 426: Elements of Public Policy (SB)
	LSC 499: Individualized Instruction	PUP 301: Introduction to Urban Planning (L)
	PLB 300: Plant Diversity and Evolution (L or SG)	SOC 333: Population (SB & G)
	PLB 302: Plants and Civilization (L)	SOS 230: Professional Skills in Sustainability
	PLB 308: Plant Physiology	SOS 311: Future Thinking and Strategies
	PLB 310: The Flora of Arizona	SOS 385: Business and Sustainability I
	PLB 394: Special Topics	
	PLB 494: Special Topics	

Total Hours: 120

Upper Division Hours: 45 minimum

General University Requirements Legend

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Environmental Science, BS


School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu

ASENVBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar is required of all freshman students. NEW 101 satisfies this requirement. IAS 300 (3 credit hours) is required for transfer students in place of NEW 101.</li> <li>• MAT 210, MAT 251 or MAT 270 is recommended for students intending to pursue <b>graduate degrees</b>.</li> <li>• MAT 270 is necessary for students intending on taking the Data/Modeling track focus courses.</li> <li>• Select your Career Interest Communities and play me3ASU.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA) OR MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	15-16		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Either STP 226 or STP 280 is acceptable to meet the requirement. STP 280 is necessary for students intending to take the Data/Modeling track focus courses.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 226: Elements of Statistics (CS) OR STP 280: Probability and Statistics for Researchers (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Field and Lab Geology for Environmental Science	4	C	<ul style="list-style-type: none"> <li>• PHY 101 is required. Student may choose either GLG 108 or GLG 101+ENV 103.</li> <li>• One semester of organic chemistry lecture+lab is required, either CHM 231+235 or CHM 233+237. CHM 233+237</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233:			

General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C
ENV 201: Fundamentals of Environmental Science	3	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

should be taken by students intending to take electives from the Chemistry/Toxicology track focus area, as they are prerequisites required for many courses in that track focus area.

- Develop your **research skills**.
- Develop your **professional skills**.
- Build your professional connections - join the **ASU Mentor Network**.

Term 4 43 - 57 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Field and Lab Geology for Environmental Science	4	C	<ul style="list-style-type: none"> <li>• PHY 101 is required. Student may choose either GLG 108 or GLG 101+ENV 103.</li> <li>• The program electives are grouped by track focus areas. Students can take electives from any of the track focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.</li> <li>• Students must complete a total of at least 11 hours of track focus elective courses and at least 3 hours of upper division track focus elective courses.</li> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Track Focus Elective Course	4	C	
Term hours subtotal:	14		

Term 5 57 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 302: Environmental Chemistry	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• IAS/PHI 407 and IAS/PHI 409 recommended to fulfill the upper division ethics/humanities elective and upper division HU.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
LSC 347: Fundamentals of Genetics	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Humanities, Arts and Design (HU) AND Upper Division Ethics/Humanities Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	15		

Term 6 72 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory	4	C	<ul style="list-style-type: none"> <li>• The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from</li> </ul>
★ ENV 345: Spatial Analysis in the Environmental Sciences	3	C	

PLB Upper Division Elective AND Upper Division Literacy and Critical Inquiry (L) ( PLB 300 OR PLB 302 OR PLB 388 recommended) 4 C

Track Focus Elective Course 4-3 C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15-14

within one group. Other students may choose a broad approach and take electives from each group.

- PLB course taken to fulfill the PLB elective requirement cannot be used to also fulfill a track focus elective requirement.
- Use Handshake to research **employment opportunities**.
- Complete an in person or virtual **practice interview**.

Term 7 87 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENV 410: Soil Science	4	C	<ul style="list-style-type: none"> <li>• The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.</li> <li>• Gather <b>professional references</b></li> </ul>
★ Upper Division Capstone Experience	3	Y	
Track Focus Elective Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	4		
Term hours subtotal:	17		

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 422: Ecosystem Ecology	3	C	<ul style="list-style-type: none"> <li>• The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.</li> <li>• IAS/PHI 407 and IAS/PHI 409 recommended to fulfill the upper division ethics/humanities elective and upper division (HU).</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ ENV 385: Environmental Impact Assessment	3	C	
BIO 370: Vertebrate Zoology OR BIO 385: Comparative Invertebrate Zoology	4	C	
Upper Division Humanities, Arts and Design (HU) AND Upper Division Ethics/Humanities Elective	3	C	
Track Focus Elective Course	3-4	C	
Term hours subtotal:	16-17		

- Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.

Hide Course List(s)/Track Group(s)

Business/Leadership Track	Chemistry/Toxicology Track	Data/Modeling Track
COM 415: Risk Communication	BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	MAT 271: Calculus with Analytic Geometry II (MA)
COM 430: Leadership in Group Communication		

OGL 200: Introduction to Organizational Leadership (SB)	BIO 353: Cell Biology	MAT 275: Modern Differential Equations (MA)
OGL 240: Introduction to Project Management	BIO 443: Applied Molecular Genetics and Genomics	MAT 343: Applied Linear Algebra
OGL 300: Theory and Practice of Leadership	CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	MAT 450: Mathematical Models in Biology or MAT 451: Mathematical Modeling (CS)
OGL 355: Leading Organizational Innovation and Change	CHM 303: Environmental Chemistry Laboratory (L)	STP 281: Statistical Analysis for Researchers
SOS 230: Professional Skills in Sustainability	LSC 425: Analytical Chemistry for Life Sciences	STP 310: Design and Analysis of Experiments
SOS 311: Future Thinking and Strategies	LSC 426: Analytical Chemistry for Life Sciences Lab	STP 311: Regression and Time Series Analyses
SOS 385: Business and Sustainability I	LSC 475: Principles of Toxicology	STP 315: Statistical Computing
		STP 450: Nonparametric Statistics
		STP 460: Categorical Data Analysis
		STP 499: Individualized Instruction
<b>Ecosystem/Global Change Track</b>	<b>Organismal/Conservation Biology Track</b>	<b>Upper Division Ethics/Humanities Electives</b>
BIO 323: Ecosystem Restoration and Management	BIO 331: Animal Behavior	IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 412: Conservation in Practice	BIO 360: Animal Physiology	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)
BIO 415: Biometry (CS)	BIO 370: Vertebrate Zoology	IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)
BIO 421: Landscape Ecology	BIO 385: Comparative Invertebrate Zoology	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)
BIO 426: Limnology (L)	BIO 410: Techniques in Conservation Biology and Ecology (L)	PHI 306: Applied Ethics (HU)
ENV 388: Research Fundamentals for the Natural Sciences (L) or LSC 388: Research Fundamentals for the Natural Sciences (L) or PLB 388: Research Fundamentals for the Natural Sciences (L)	BIO 474: Herpetology	PHI 360: Business and Professional Ethics (HU)
LSC 362: The Human Environment	ENV 300: Plant Diversity and Evolution (L or SG) or PLB 300: Plant Diversity and Evolution (L or SG)	
MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory	ENV 302: Plants and Civilization (L) or PLB 302: Plants and Civilization (L)	
	PLB 308: Plant Physiology	
	PLB 310: The Flora of Arizona	
	PLB 394: Special Topics	
	PLB 494: Special Topics	
<b>Capstone Experience</b>		
BIO 495: Undergraduate Research		
BIO 499: Individualized Instruction		
ENV 484: Internship		
ENV 492: Honors Directed Study		
ENV 493: Honors Thesis		
ENV 499: Individualized Instruction		
LSC 484: Internship		

LSC 492: Honors Directed Study

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LSC 493: Honors Thesis (L)

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LSC 499: Individualized Instruction

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Exploratory Applied Computing, Mathematics and Technology

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASACMTEXPL

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Math Placement Assessment score determines placement into mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshmen students. NEW 101 satisfies this requirement.</li> <li>• Completion of both ACO 101 and ACO 102 with a C or better fulfills the New College Language and Cultures requirement.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)			
 OR MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101: The ASU New College Experience	1		
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16-17		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	<ul style="list-style-type: none"> <li>• Completion of both ACO 101 and ACO 102 with a C or better fulfills the New College Language and Cultures requirement.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 201: Data Structures and Algorithms (CS) OR ACO 240: Introduction to Programming Languages OR STP 280: Probability and Statistics for Researchers (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join <b>ASU Mentor Network</b>.</li> </ul>
 Natural Science - Quantitative (SQ)	4	C	
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		



❗ Complete First-Year Composition requirement.

.....  
Complete Mathematics (MA) requirement.  
.....

Milestone: Selection of a major.  
.....

Term hours subtotal: 16

Hide Course List(s)/Track Group(s)

**Notes:**

- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

**Total Hours:** 47

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Exploratory Health and Life Sciences




School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASHSCIEXP

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Math Placement Assessment score determines placement into mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshmen students. NEW 101 satisfies this requirement.</li> <li>• Select your <b>Career Interest Community</b> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)			
 OR MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101: The ASU New College Experience	1		
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Term hours subtotal:	14-15		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	<ul style="list-style-type: none"> <li>• CHM 113 is recommended for the natural science requirement.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
STP 226: Elements of Statistics (CS) OR STP 280: Probability and Statistics for Researchers (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Milestone: Selection of a major.			
Term hours subtotal:	16		

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 46

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map



### Exploratory Humanities, Fine Arts and Design





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASHUFAEXPL

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Math Placement Assessment score determines placement into Mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshmen students. NEW 101 satisfies this requirement.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 PHI 101: Introduction to Philosophy (HU)	3	C	
NEW 101: The ASU New College Experience	1		
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Mathematics (MA)	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3		<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
 IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU)	3	C	
Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	C	
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement. Milestone: Selection of a major. Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

**Notes:**

- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Exploratory Social and Behavioral Sciences




School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASSBSEXPL

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Math Placement Assessment score determines placement into mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshmen students. NEW 101 satisfies this requirement.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101: The ASU New College Experience	1		
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Mathematics (MA)	3	C	
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
 PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
ACO 100: All About Data: Design, Query, and Visualization (CS) OR			
CIS 105: Computer Applications and Information Technology (CS)	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Milestone: Selection of a major.			
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

**Notes:**

- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Forensic Science, BS





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASFOREBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	15		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
FOR 286: Principles of Forensic Science	4	C	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 44 - 58 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>



FOR 290: Historical Perspectives of Forensic Science	3	C
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C
STP 226: Elements of Statistics (CS)	3	C
Term hours subtotal:	14	

Term 5 58 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	4	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>• Develop your professional online presence.</li> </ul>
★ LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	
ENG 301: Writing for the Professions (L) OR ENG 311: Persuasive Writing (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) OR HON 370: History of Ideas (L or HU)	3		
FOR 210: Sociology of Murder (SB)	3	C	
FOR 402: Forensic Biology	3	C	
Term hours subtotal:	17		

Term 6 75 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FOR 370: Modern Practices in Forensic Science	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
FOR 400: Comparative Forensics	3	C	
FOR 454: History of Genocide (G & H)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FOR 425: Analytical Chemistry for Life Sciences AND FOR 426: Analytical Chemistry for Life Sciences Lab	5	C	<ul style="list-style-type: none"> <li>• Students in the Forensic Science program must participate in a culminating, senior-level experience, choosing three credit hours from either FOR 485, FOR 484, FOR 493 or FOR 499. Each of these courses require prior faculty approval and mentorship. FOR 499 must consist of an approved, faculty-mentored research project if it is to be used as the culminating, senior-level experience. See an academic advisor for questions.</li> <li>• Gather professional references.</li> </ul>
FOR 410: Professional Practices in Forensic Science (L)	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FOR 485: Forensic Science Capstone OR FOR 484: Internship OR FOR 493: Honors Thesis (L) OR FOR 499: Individualized Instruction OR LSC 388: Research Fundamentals for the Natural Sciences (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> </ul>
FOR 401: Forensic Toxicology	3	C	

FOR 406: Moral Dilemmas (L or HU)	3	C
FOR Upper Division Elective	3	C
Upper Division Language and Cultures: Requirement satisfied through the following:		
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C
Term hours subtotal:		15

Hide Course List(s)/Track Group(s)

- Forensic Science Electives
- FOR 377: Forensic Analytical Chemistry Laboratory
  - FOR 380: Analysis of Nonhuman Forensic DNA Evidence
  - FOR 394: Special Topics
  - FOR 447: Molecular Genetics Laboratory
  - FOR 475: Principles of Toxicology
  - FOR 480: Advanced Topics in Human Forensic DNA Typing
  - FOR 484: Internship
  - FOR 486: Peer Mentoring in the Forensic Sciences
  - FOR 492: Honors Directed Study
  - FOR 493: Honors Thesis (L)
  - FOR 494: Special Topics
  - FOR 497: Honors Colloquium
  - FOR 499: Individualized Instruction

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### History, BA





School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [West campus](#)



ASHISBA





Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Two Semester Survey in U.S. History, World History or Western Civilization AND Historical Awareness (H)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		





Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Two Semester Survey in U.S. History, World History or Western Civilization AND Historical Awareness (H)	3	C	<ul style="list-style-type: none"> <li>• For History Related Area Courses students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please speak with academic advisor.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST Elective	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			
History Related Area Course	6	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>, <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			
HST Upper Division Elective	6	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Non-US Non-European History Course	3	C	<ul style="list-style-type: none"> <li>• For upper division Non-U.S., Non-European History course, see please academic advisor.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 History Related Area Course	3	C	
HST Upper Division Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			
Upper Division History Related Area Course	6	C	<ul style="list-style-type: none"> <li>• Students must complete six credit hours of upper division History course work prior to enrolling in HST 495.</li> <li>• Gather <b>professional references</b>.</li> </ul>
 Upper Division Non-US Non-European History Course	3	C	
 HST Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 495: Methods of Historical Inquiry (L)	3	C	<ul style="list-style-type: none"> <li>• Students must complete six credit hours of upper division History course work prior to enrolling in HST 495.</li> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective OR IAS 484: Internship	3		
Elective	3		
Term hours subtotal:	12		

- Students must select two courses from one of the three history survey tracks: U.S. History, Western Civilization, or World History.
- Students must complete 12 credit hours of upper division History in courses offered by the New College of Interdisciplinary Arts and Sciences.

Hide Course List(s)/Track Group(s)

Two Semester History Survey: U.S. History	Two Semester History Survey: Western Civilization	Two Semester History Survey: World History
HST 109: United States to 1865 ((HU or SB) & H)	HST 102: Western Civilization: Ancient and Medieval Europe (SB & H)	HST 100: Global History to 1500 (HU & H & G)
HST 110: United States Since 1865 (SB & H)	HST 103: Western Civilization: Renaissance to Enlightenment ((HU or SB) & H)	HST 101: Global History Since 1500 (HU & H & G)
	HST 104: Western Civilization: French Revolution to European Union ((HU or SB) & G & H)	
Non-US/Non-European History Courses	History Related Area Courses	
HST 375: Colonial Latin America (SB & H)	AMS Elective	
HST 376: Modern Latin America (SB & G & H)	ENG Elective	
HST 404: Conquest and Encounters in Colonial Latin America (L & G)	ETH Elective	
HST 430: The Ottoman Empire in the Classical Period	HRC Elective	
HST 441: Latin America and the World Economy (L & G & H)	HST Elective	
HST 454: History of Genocide (G & H)	JHR Elective	
	LAS Elective	
	PAX Elective	
	PHI Elective	
	REL Elective	
	SPA Elective	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### History (Secondary Education), BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASHISSEBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Two Semester Survey in U.S. or World History AND Historical Awareness (H)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• By the end of term 4, a minimum 2.5 cumulative GPA is required in order to progress into the iTeachAZ Program.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Two Semester Survey in U.S. or World History AND Historical Awareness (H)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Computer Literacy: Mobile Technologies and Your World (CS) OR Computer/Statistics/Quantitative Applications (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST Elective	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
History Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) ( GCU 113 recommended)	3		
 Complete First-Year Composition requirement.			



❖ Complete Mathematics (MA) requirement.

❖ Milestone: Complete online Intent to Progress form (meet with advisor).

❖ Milestone: Meet with Teachers College advisor.

Term hours subtotal: 16

Term 4 48 - 62 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ History Related Area Course	3	C	• Explore an <b>internship</b> , <b>IGLE international experience</b> or <b>ASU Study Abroad</b> .
❖ HST Elective	3	C	
EDP 313: Childhood and Adolescence (SB) OR TEL 315: Child and Adolescent Development (L or SB)	3	C	
Social-Behavioral Sciences (SB)	3		
Elective	2		
❖ Milestone: Attend enrollment workshop.			
❖ Milestone: Must attend iTeachAZ orientation the semester prior to starting field experience.			
❖ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes	
★ Upper Division Non-U.S. Non-European History Course	3	C	• If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College. • Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> . • Develop your <b>professional online presence</b> .	
★ Complete 2 courses: HST Upper Division Elective	6	C		
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3			
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C		
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	15			

Term 6 77 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	• If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College. • Use Handshake to research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
★ SED 398: Clinical Experience	1	C	
★ Upper Division Non-U.S. Non-European History Course	3	C	
★ HST Upper Division Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies	3	C	

requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 13

Term 7 90 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ RDG 323: Literacy Processes in Content Areas	3	C	<ul style="list-style-type: none"> <li>All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.</li> <li>If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College.</li> <li>Gather professional references.</li> </ul>
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 403: Secondary Principles, Curriculum and Methods	3	C	
★ SED 496: Clinical Experience III	1	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
HST 495: Methods of Historical Inquiry (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	11-12	C	<ul style="list-style-type: none"> <li>Apply for full-time employment opportunities.</li> </ul>
SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14-15	

- Students must select two courses from one of the three history survey tracks: U.S. History, Western Civilization, or World History.
- Students must complete 12 credit hours of upper division History in courses offered by the New College of Interdisciplinary Arts and Sciences.

Hide Course List(s)/Track Group(s)

Two Semester History Survey: U.S. History	Two Semester History Survey: Western Civilization	Two Semester History Survey: World History
HST 109: United States to 1865 ((HU or SB) & H)	HST 102: Western Civilization: Ancient and Medieval Europe (SB & H)	HST 100: Global History to 1500 (HU & H & G)
HST 110: United States Since 1865 (SB & H)	HST 103: Western Civilization: Renaissance to Enlightenment ((HU or SB) & H)	HST 101: Global History Since 1500 (HU & H & G)
	HST 104: Western Civilization: French Revolution to European Union ((HU or SB) & G & H)	
Non-US/Non-European History Courses	History Related Area Courses	
HST 375: Colonial Latin America (SB & H)	AMS Elective	
HST 376: Modern Latin America (SB & G & H)	ENG Elective	
	ETH Elective	

HST 404: Conquest and Encounters in Colonial Latin America (L & G)	HRC Elective
HST 430: The Ottoman Empire in the Classical Period	HST Elective JHR Elective
HST 441: Latin America and the World Economy (L & G & H)	LAS Elective PAX Elective
HST 454: History of Genocide (G & H)	PHI Elective REL Elective SPA Elective

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Interdisciplinary Arts and Performance, BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)




ASIAPBA



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 102: Foundations I: Performance Techniques and Composition OR IAP 103: Foundations I: Interdisciplinary Digital Media OR IAP 104: Foundations I: Fundamentals of Sound Art OR IAP 105: Foundations I: Fundamentals of Visual Art	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Community</b> and <a href="mailto:playme3@asu.edu">play me3@ASU</a>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		






Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 102: Foundations I: Performance Techniques and Composition OR IAP 103: Foundations I: Interdisciplinary Digital Media OR IAP 104: Foundations I: Fundamentals of Sound Art OR IAP 105: Foundations I: Fundamentals of Visual Art	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research</b> skills. Discuss with a faculty member.</li> <li>• Develop your <b>professional</b> skills.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: IAP Elective	6	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU study abroad</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
 Complete IAP 201 or IAP 202 course(s).			
Term hours subtotal:		15	

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
Complete 2 courses: IAP Upper Division Elective	6	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:		15	

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 325: Sound Performance: Exploring Alternative Performance Groups	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an <b>in person or virtual practice interview</b>.</li> </ul>
 IAP 354: Visual Representation	3	C	
 IAP 361: Digital Editing and Media Literacy (CS)	3	C	
IAP 4** Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 334: Conceptual Development in the Arts	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
 IAP 375: Contemporary Performance: Theories and Practice	3	C	
IAP 4** Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:		15	

		Minimum	
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Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
★ IAP 480: Senior Project	3	C	• Apply for full-time career opportunities.
IAP Upper Division Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective OR IAP 484: Internship	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Interdisciplinary Arts and Sciences, BA


School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)



ASIASBA





Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		





Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• For the area of concentration courses starting in the next term, work with an advisor to select a minor available at ASU or construct an individualized area of concentration with a coherent theme or purpose.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Area of Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections  join the <b>ASU Mentor Network</b>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15		

		Minimum	
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Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 Area of Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IAS 300: Career Strategies and Personal Resilience (L or SB)	3	C	<ul style="list-style-type: none"> <li>• Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 Upper Division Area of Concentration Course	3	C	
 Upper Division Ethical Reflection Course AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Area of Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 Upper Division Diverse Identities Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Area of Concentration Course	6	C	<ul style="list-style-type: none"> <li>• Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>• Gather <b>professional references</b>.</li> </ul>
 Upper Division Scientific and Mathematical Perspectives Course	3	C	
 Upper Division Secular and Sacred Worldviews Course	3	C	
 Upper Division Related Area Elective	3	C	



Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Capstone	3	C	• Apply for full-time career opportunities.
Complete 2 courses:	6		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Diverse Identities Course List	Ethical Reflection Course List	Secular and Sacred Worldviews Course List
AMS 330: American Lives (HU & C)	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	IAS 430: Science and Religion (L or HU)
AMS 380: Race, Gender, and Class (SB & C) or ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C)	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)	PHI 303: The Future of Religions (L or HU) or REL 300: The Future of Religions (L or HU)
AMS 428: Peoples and Cultures of the American West, to 1848 (SB) or ETH 428: Peoples and Cultures of the American West, to 1848 (SB) or LAS 428: Peoples and Cultures of the American West, to 1848 (SB)	IAS 410: Evolution of Ideas (L or HU)	PHI 318: Philosophy of Religion (HU)
AMS 450: Latina/os, Schooling and Social Inequality (C) or ETH 450: Latina/os, Schooling and Social Inequality (C) or LAS 450: Latina/os, Schooling and Social Inequality (C)	IAS 430: Science and Religion (L or HU)	REL 310: Western Religious Traditions (HU & H)
AMS 469: Abject Bodies and the Politics of Trash (SB & C) or ETH 469: Abject Bodies and the Politics of Trash (SB & C) or WST 469: Abject Bodies and the Politics of Trash (SB & C)	PHI 304: Existentialism (HU)	REL 320: American Religious Traditions (HU & C & H)
ENG 317: Cross-Cultural Writing ((L or HU) & G)	PHI 306: Applied Ethics (HU)	REL 321: Religion in America ((L or HU) & C & H)
ENG 420: Multicultural Autobiographies ((L or HU) & C) or IAS 420: Multicultural Autobiographies ((L or HU) & C)	PHI 318: Philosophy of Religion (HU)	REL 345: Asian Religious Traditions (HU & G)
ENG 476: Studies in Folklore ((L or HU or SB) & C)	PHI 324: Existential Ethics (HU)	REL 381: Religion and Moral Issues (L or HU)
ENG 477: World Literature ((L or HU) & G)	PHI 360: Business and Professional Ethics (HU)	REL 390: Women, Gender and Religion (HU & G) or WST 390: Women, Gender and Religion (HU & G)
ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G)	PHI 408: Feminist Ethics (HU)	REL 391: Historical Perspectives on Philosophy and Religion
ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473:		REL 401: Sacred Scriptures and Social Choices (HU & G)
		REL 420: Religion in American Life and Thought (HU)

Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 419: 20th Century Chicano/a History (C) or LAS 419: 20th Century Chicano/a History (C)

IAS 305: Work and Identity (SB)

PHI 439: Philosophy of Love and Sex

REL 321: Religion in America ((L or HU) & C & H)

WST 300: Women and Gender in Contemporary Society (SB & C)

WST 333: Critical Perspectives on Sexuality (SB & C)

WST 376: Feminist Theory (H & C)

WST 457: Women, Cultures, and Societies (SB & G)

Scientific and Mathematical Perspectives Course List	Related Area Elective	Capstone
	AMS Elective	HON 493: Honors Thesis (L)
IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)	ENG Elective	HRC 480: Capstone: Practices and Approaches (L)
IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)	ETH Elective	IAS 480: Capstone: Practices and Approaches
	HRC Elective	IAS 484: IAS Internship
IAS 410: Evolution of Ideas (L or HU)	HST Elective	IAS 493: Honors Thesis (L)
	IAP Elective	
IAS 415: Life in the Universe	IAS Elective	
IAS 416: Black Holes and Beyond	JHR Elective	
MAT 411: History and Philosophy of Mathematics (HU & H)	LAS Elective	
	PAX Elective	
PHI 319: Philosophy, Computing and Artificial Intelligence (CS)	PHI Elective	
SBS 304: Social Statistics I (CS)	REL Elective	
	SPA Elective	
	WST Elective	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Latin American Studies, BA






School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [West campus](#)

ASLASBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 201: Intermediate Spanish (G)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• To enroll in SPA 201, students must have completed SPA 101 and 102 with grades of C or better, or have taken the Spanish placement test.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• Select a <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	1		
Term hours subtotal:	15		



Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 202: Intermediate Spanish (G)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		




Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LAS 205: Deep Roots: Latin America (HU & G) OR LAS 206: Locating Latin America: Interdisciplinary Methods	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a></li> </ul>
 SPA 313: Spanish Conversation and Composition (G)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LAS 205: Deep Roots: Latin America (HU & G) OR LAS 206: Locating Latin America: Interdisciplinary Methods	3	C	<ul style="list-style-type: none"> <li>• Explore an internship, IGLE international experience, or ASU Study Abroad.</li> </ul>
SPA 314: Spanish Conversation and Composition (G) Literacy and Critical Inquiry (L)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 LAS 330: From the Inside: The Latin American Journey (HU)	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• At least one SPA upper division course must be completed with a C or better for the Upper Division Latin American Elective requirement.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep</b> course.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 Upper Division Latin American Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Community Embeddedness Course	3	C	<ul style="list-style-type: none"> <li>• At least one SPA upper division course must be completed with a C or better for the Upper Division Latin American Elective requirement.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 Upper Division Latin American Elective	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Latin American Elective	6	C	<ul style="list-style-type: none"> <li>• At least one SPA upper division course must be completed with a C or better for the Upper Division Latin American Elective requirement.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 LAS 499: Individualized Instruction	3	C	<ul style="list-style-type: none"> <li>• At least one SPA upper division course must be completed with a C or better for the Upper Division Latin American Elective requirement.</li> <li>• Apply for <b>full-time employment opportunities</b>.</li> </ul>
 Upper Division Latin American Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- NEW 300 International Cities must be located in a Latin American country in order to fulfill the Community Embeddedness requirement.

Hide Course List(s)/Track Group(s)

Community Embeddedness	Latin American Electives
ASB 447: Citizenship, Nationalism and Identity (SB & C & G) or POS 447: Citizenship, Nationalism and Identity (SB & C & G) or SBS 447: Citizenship, Nationalism and Identity (SB & C & G)	AMS 330: American Lives (HU & C)
COM 314: Inner-City Families: The Cycle of Poverty	ASB 342: Mexico-U.S. Borderlands (SB & C) or SBS 342: Mexico-U.S. Borderlands (SB & C) or SOC 342: Mexico-U.S. Borderlands (SB & C)
COM 342: Oral History and Storytelling	ASB 356: Central American Studies (SB & G) or GCU 356: Central American Studies (SB & G) or POS 354: Central American Studies (SB & G) or SBS 356: Central American Studies (SB & G) or SOC 356: Central American Studies (SB & G)
COM 416: Gender and Race in the Media	COM 477: Sport, Culture, and Discourses
ENG 317: Cross-Cultural Writing (L or HU) & G)	IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)
LAS 430: Gender on the Borderlands (SB & G)	IAP 473: Aesthetic Research (L or HU) or IAP 474: Art and Film (L or HU)
LAS 484: Internship	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)
NEW 300: International Cities	LAS 330: From the Inside: The Latin American Journey (HU)
	LAS 340: Latin American Women Writers
	LAS 350: The Construction of a Nation: Chile in the 20th/21st Century
	LAS 351: Cityscapes: Urban Mexican Literature and Culture
	LAS 355: Contemporary Mexican Cinema: Changing Cartographies
	LAS 375: Colonial Latin America (SB & H)
	LAS 376: Modern Latin America (SB & H)
	LAS 394: Special Topics
	LAS 404: Conquest and Encounters in Colonial Latin America (L & G)
	LAS 419: 20th Century Chicano/a History (C)
	LAS 428: Peoples and Cultures of the American West, to 1848 (SB)
	LAS 430: Gender on the Borderlands (SB & G)

LAS 441: Latin America and the World  
Economy (L & G & H)

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LAS 450: Latina/os, Schooling and Social  
Inequality (C)

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LAS 471: Treaties and Cultural Production in  
Spain and the Americas

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LAS 473: Indigenous and Latina/Chicana  
Representation (SB & C)

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LAS 480: Current Trends in Theatre and New  
Media in Latin America and Spain (HU)

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LAS 481: Dictatorships and Dirty Wars: Latin  
American Cinema from Resistance to  
Reconciliation (HU & G)

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LAS 494: Special Topics

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MUS 354: Latin American Popular Music  
(HU)

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NEW 300: International Cities

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PHI 306: Applied Ethics (HU)

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PHI 360: Business and Professional Ethics  
(HU)

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POS 453: Latin America (SB & G)

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POS 454: Mexico (SB & G)

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PSY 468: Psychology and Law

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REL 390: Women, Gender and Religion (HU  
& G) or WST 390: Women, Gender and  
Religion (HU & G)

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SOC 445: Globalization, Development, and  
Resistance (SB & G)

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SPA 325: Introduction to Hispanic Literature  
(HU)

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SPA 394: Special Topics

---

SPA 413: Advanced Spanish Grammar (G)

---

SPA 426: Literature and Society in Modern  
Spain (HU)

---

SPA 427: Colonial and Postcolonial Latin  
American Literature (L or HU)

---

SPA 429: Writing Mexico: Major Texts ((L or  
HU) & G)

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SPA 434: Drama of the Golden Age

---

SPA 456: 20th-Century Spanish American  
Fiction

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SPA 464: JaitÃ³n Works in Chicano/a  
Literature ((HU or SB) & C)

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SPA 472: Latin American Society: Five Case Studies (HU & H & G)

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SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G)

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SPA 487: Chicano/a Drama: Pachucos, Vendedos y Cerezitas (C)

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SPA 494: Special Topics

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WST 457: Women, Cultures, and Societies (SB & G)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Pharmacology and Toxicology, BS






School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)



ASPTXBS




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in Mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and <a href="#">play me3@ASU</a>.</li> <li>• Activate your <a href="#">Handbrake</a> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR STP 226: Elements of Statistics (CS)	3	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	15		



Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) or MAT 251: Calculus for Life Sciences (MA) OR STP 226: Elements of Statistics (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		




Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
BIO 201: Human Anatomy and Physiology I (SG)	4	C	
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Literacy and Critical Inquiry (L)	3		
 Complete CHM 113, CHM 116 course(s).			
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

		Minimum	
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Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
BIO 202: Human Anatomy and Physiology II (SG)	4	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Humanities, Arts and Design (HU)	3		
Elective	1		
Term hours subtotal:	16		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
 PTX 301: Basics of Pharmacology and Toxicology	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	<ul style="list-style-type: none"> <li>A total of 4 credit hours of PTX 499 may be taken to meet the upper division Pharmacology/Toxicology elective requirement.</li> <li>A total of 3 credit hours of PTX 484 or PTX 493 may be taken to meet the upper division Pharmacology/Toxicology elective requirement.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Pharmacology and Toxicology Elective	3-5	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16-18		

Term 7 92 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	4	C	<ul style="list-style-type: none"> <li>A total of 4 credit hours of PTX 499 may be taken to meet the upper division Pharmacology/Toxicology elective requirement.</li> <li>A total of 3 credit hours of PTX 484 or PTX 493 may be taken to meet the upper division Pharmacology/Toxicology elective requirement.</li> <li>Gather <b>professional references</b>.</li> </ul>
 PTX 432: Fundamentals of Pharmacology	3	C	
Upper Division Pharmacology and Toxicology Elective	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ PTX 450: Pharmacology and Toxicology Laboratory	1	C
PTX 475: Principles of Toxicology	3	C
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) ( ASB 353 OR SOC 353 recommended)	3	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C
Upper Division Elective OR PTX 484: Internship	4-2	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	14-12	

- General elective credit hours will be adjusted depending on the Pharmacology/Toxicology electives selected. Discuss with your advisor.
- A total of 4 credit hours of PTX 499 may be taken to meet the upper division Pharmacology and Toxicology elective requirement.
- A total of 3 credit hours of PTX 484 or PTX 493 may be taken to meet the upper division Pharmacology and Toxicology elective requirement.
- Apply for **full-time career opportunities**.

#### Hide Course List(s)/Track Group(s)

Upper Division Pharmacology and Toxicology Elective
CHM 302: Environmental Chemistry
FOR 401: Forensic Toxicology
LSC 388: Research Fundamentals for the Natural Sciences (L)
LSC 425: Analytical Chemistry for Life Sciences AND LSC 426: Analytical Chemistry for Life Sciences Lab
LSC 430: Environmental and Human Toxicology
MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory
PSY 470: Psychopharmacology
PTX 493: Honors Thesis
PTX 499: Individualized Instruction

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Philosophy, Religion and Society, BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASRELBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• Select <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		
Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 REL 100: Religions of the World (HU & G)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	

Historical Awareness (H)	3
Literacy and Critical Inquiry (L)	3
Social-Behavioral Sciences (SB)	3
Elective	3
Term hours subtotal:	15

- A Related Area Course is any course offered by the School of Humanities, Arts and Cultural Studies and is one of the following prefixes: AMS, ENG, ETH, HRC, HST, IAP, IAS, JHR, LAS, PAX, PHI, REL, SPA, or WST.
- Explore an **internship**, an **IGLE international experience**, or **ASU Study Abroad**.

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 306: Applied Ethics (HU) OR IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Applied Ethics Track Course	3	C	
Upper Division Religious Studies Track Course	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 304: Existentialism (HU) OR PHI 411: Continental Philosophy (HU) OR PHI 412: Philosophy and Literary Criticism (HU)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Religious Studies Track Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 303: The Future of Religions (L or HU) or REL 300: The Future of Religions (L or HU) OR PHI 318: Philosophy of Religion (HU)	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Applied Ethics Track Course	3	C	
Upper Division Continental Philosophy Track Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Culminating Experience	3	C	<ul style="list-style-type: none"> <li>• A Related Area Course is any course offered by the School of Humanities, Arts and Cultural Studies and is one of the following prefixes: AMS, ENG, ETH, HRC, HST, IAP, IAS, JHR, LAS, PHI, REL, SPA, or WST.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Continental Philosophy Track Course	3	C	
Related Area Course	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Applied Ethics Track	Continental Philosophy Track	Religious Studies Track
IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)	ENG 401: Topics in Critical Theory	IAS 410: Evolution of Ideas (L or HU)
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy	IAS 430: Science and Religion (L or HU)
IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)	PHI 304: Existentialism (HU)	PHI 303: The Future of Religions (L or HU) or REL 300: The Future of Religions (L or HU)
IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)	PHI 311: Philosophy and Literature (HU)	PHI 318: Philosophy of Religion (HU)
PHI 306: Applied Ethics (HU)	PHI 339: Philosophy of Art (HU)	PHI 421: Philosophical Topics
PHI 336: Social and Political Philosophy (HU)	PHI 411: Continental Philosophy (HU)	REL 310: Western Religious Traditions (HU & H)
PHI 360: Business and Professional Ethics (HU)	PHI 412: Philosophy and Literary Criticism (HU)	REL 321: Religion in America ((L or HU) & C & H)
PHI 408: Feminist Ethics (HU)	PHI 421: Philosophical Topics	REL 345: Asian Religious Traditions (HU & G)
PHI 415: Philosophy and Film (HU)	PHI 494: Philosophical/Spiritual Issues in Death & Dying or REL 494: Philosophical/Spiritual Issues in Death & Dying	REL 390: Women, Gender and Religion (HU & G) or WST 390: Women, Gender and Religion (HU & G)
PHI 421: Philosophical Topics	REL 391: Historical Perspectives on Philosophy and Religion	
PHI 439: Philosophy of Love and Sex		
Related Area Course	Culminating Experience	
AMS Elective	IAS 480: Capstone: Practices and Approaches	
ENG Elective	IAS 484: IAS Internship	
ETH Elective	HON 493: Honors Thesis (L)	
HRC Elective	IAS 493: Honors Thesis (L)	
HST Elective	PHI 493: Honors Thesis (L)	
IAP Elective		
IAS Elective		
JHR Elective		
LAS Elective		
PAX Elective		

PHI Elective

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REL Elective

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SPA Elective

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WST Elective

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Political Science, BA




School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu

ASPOLBA

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Credit is only granted for POS 110 or POS 310.</li> <li>• Credit is only granted for POS 160 or POS 360.</li> <li>• Select your <b>Career Interest Community</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
..... ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
..... MAT 142: College Mathematics (MA)	3	C	
..... NEW 101: The ASU New College Experience	1		
..... Historical Awareness (H)	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• Credit is only granted for POS 110 or POS 310.</li> <li>• Credit is only granted for POS 160 or POS 360.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
..... ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
..... Humanities, Arts and Design (HU)	3		
..... Natural Science - Quantitative (SQ)	4		
..... Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Fields Course	3	C	<ul style="list-style-type: none"> <li>• For related field, students are encouraged to take a public speaking course if they deem public speaking skills to be important for their future career.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
..... Computer/Statistics/Quantitative Applications (CS)	3		
..... Cultural Diversity in the U.S. (C)	3		
..... Humanities, Arts and Design (HU)	3		
..... Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			

❖ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• For related field, students are encouraged to take a public speaking course if they deem public speaking skills to be important for their future career.</li> <li>• Credit is only granted for POS 110 or POS 310.</li> <li>• Credit is only granted for POS 160 or POS 360.</li> <li>• Explore an <b>internship</b>, <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
<i>Complete 2 courses:</i>			
Related Fields Course	6	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 303: Quantitative Methods	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
POS Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
POS Upper Division Elective	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Related Fields Course	3	C	<ul style="list-style-type: none"> <li>• For related field, students are encouraged to take a public speaking course if they deem public speaking skills to be important for their future career.</li> <li>• Gather <b>professional references</b>.</li> </ul>
<i>Complete 2 courses:</i>			
POS Upper Division Elective	6	C	
<i>Complete 2 courses:</i>			
Upper Division Elective	6		
Term hours subtotal:	15		

		Minimum	
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Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
★ POS Elective	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR POS 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	15		

- No more than a total of 6 credit hours of POS 484 or POS 499 may be applied to the major.
  - Up to 6 credit hours of approved non-POS courses may be applied to the major, if selected with and approved by an academic advisor.

Hide Course List(s)/Track Group(s)

Related Fields
ASB Elective
COM Elective
ECN Elective
GCU Elective
HST Elective
JHR Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective
WST Elective

**Notes:**

- No more than a total of 6 credit hours of POS 484 or POS 499 may be applied in the major.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Political Science, BS




School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASPOLBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Credit is only granted for POS 110 or POS 310.</li> <li>• Credit is only granted for POS 160 or POS 360.</li> <li>• Select your <b>Career Interest Community</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Related Fields Course	3	C	
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• Credit is only granted for POS 110 or POS 310.</li> <li>• Credit is only granted for POS 160 or POS 360.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Related Fields Course	6	C	<ul style="list-style-type: none"> <li>• For related field, students are encouraged to take a public speaking course if they deem public speaking skills to be important for their future career.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			

🚩 Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>For related field, students are encouraged to take a public speaking course if they deem public speaking skills to be important for their future career.</li> <li>Credit is only granted for POS 110 or POS 310.</li> <li>Credit is only granted for POS 160 or POS 360.</li> <li>Explore an <b>internship</b>, <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
POS Elective	3	C	
Related Fields Course	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 303: Quantitative Methods	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
POS Upper Division Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 304: Social Statistics I (CS)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 3 courses: Elective	9		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 302: Qualitative Methods	3	C	<ul style="list-style-type: none"> <li>For related field, students are encouraged to take a public speaking course if they deem</li> </ul>
Complete 2 courses:			

POS Upper Division Elective	6	C
Upper Division Humanities, Arts and Design (HU)	3	
Elective	3	
Term hours subtotal:	15	

public speaking skills to be important for their future career.  
 • Gather professional references.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: POS Upper Division Elective	6	C	• Apply for full-time career opportunities.
Upper Division Elective OR POS 484: Internship	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- No more than a total of 6 credit hours of POS 484 or POS 499 may be applied to the major.
- Up to 6 credit hours of approved non-POS courses may be applied to the major, if selected with and approved by an academic advisor.

Hide Course List(s)/Track Group(s)

Related Fields
ASB Elective
COM Elective
ECN Elective
GCU Elective
HST Elective
JHR Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective
WST Elective

Notes:

- No more than a total of 6 credit hours of POS 484 or POS 499 may be applied to the major.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map



### Psychology, BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)


Location: [West campus, ASU@Lake Havasu](#)

ASPGSBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101: The ASU New College Experience	1		
Cultural Diversity in the U.S. (C)	3		
Elective	2		
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Related Coursework Electives chosen from ASB, COM, JHR, POS, PSY, SBS, SOC, or other courses approved by your academic advisor.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
Related Coursework Electives	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	2		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			
Term hours subtotal:	14		

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ PSY 290: Research Methods (L or SG)	4	C
<i>Complete 2 courses:</i>		
Related Coursework Electives	6	C
Global Awareness (G)	3	
Humanities, Arts and Design (HU)	3	
Term hours subtotal:	16	

- PSY 290 will be used to fulfill the SG requirement.
- Related Coursework Electives chosen from ASB, COM, JHR, POS, PSY, SBS, SOC, or other courses approved by your academic advisor.
- Explore an **internship**, an **IGLE international experience** or **ASU Study Abroad**.

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Neuroscience Core 1	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• PSY Elective must be taken from PSY Elective course lists. One lower division PSY Elective may be applied to requirement. See academic advisor for approval.</li> <li>• PSY 304 Effective Thinking (L) can be used to meet the upper division L requirement as well as upper division PSY Elective.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ Upper Division Social/Developmental Core	3	C	
PSY Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Neuroscience Core 2	3	C	<ul style="list-style-type: none"> <li>• Upper division PSY Elective must be taken from PSY Elective course lists. See academic advisor for questions.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Upper Division Social/Developmental Core	3	C	
Upper Division PSY Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Elective	2		
Term hours subtotal:	14		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> Upper Division PSY Elective	6	C	<ul style="list-style-type: none"> <li>• Upper division PSY Elective must be taken from PSY Elective course lists. See academic advisor for questions.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
<i>Complete 2 courses:</i> Elective	6		

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division PSY Elective	3	C	<ul style="list-style-type: none"> <li>Upper division PSY Elective must be taken from PSY Elective course lists. See academic advisor for questions.</li> <li>Apply for full-time career opportunities.</li> </ul>
Related Coursework Electives	3	C	
Upper Division Elective OR PSY 484: Internship	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Select PSY Electives from PSY Elective Course lists. Student may choose PSY Electives from within one area or from multiple areas to meet the requirement. See academic advisor for questions.

No more than 3 credit hours of PSY 399, PSY 484, PSY 499, PSY 493 or HON 493 may count toward PSY Elective requirements.

Related Coursework Electives are to be chosen from ASB, COM, JHR, POS, PSY, SBS, SOC, or other courses approved by your academic advisor.

Hide Course List(s)/Track Group(s)

Neuroscience Core 1	Neuroscience Core 2	Social/Developmental Core
PSY 320: Learning and Motivation	PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)
PSY 323: Sensation and Perception	PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)
PSY 324: Memory and Cognition	PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)
PSY 325: Physiological Psychology	PSY 325: Physiological Psychology	PSY 366: Abnormal Psychology (SB)
	PSY 369: Biology of Human Sexuality	PSY 443: Abnormal Child Psychology (L or SB)
	PSY 470: Psychopharmacology	PSY 462: Health Psychology
PSY Electives: Biological / Learning	PSY Electives: Clinical / Health	PSY Electives: Experiential
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	PSY 344: Directed Child Study (SB)
PSY 323: Sensation and Perception	PSY 366: Abnormal Psychology (SB)	PSY 394: Special Topics
PSY 324: Memory and Cognition	PSY 443: Abnormal Child Psychology (L or SB)	PSY 399: Supervised Research
PSY 325: Physiological Psychology	PSY 444: Adolescent Psychology and Psychopathology	PSY 484: Internship
PSY 369: Biology of Human Sexuality	PSY 462: Health Psychology	PSY 494: Special Topics
PSY 425: Biological Bases of Behavior (L)	PSY 465: Psychology of Stress and Coping	PSY 499: Individualized Instruction
PSY 470: Psychopharmacology	PSY 472: Clinical Psychology	
	PSY 475: Multicultural Issues in Clinical Psychology	
PSY Electives: Industrial/Organizational	PSY Electives: Life Span/Development	PSY Electives: Methodology and Critical Thinking

PSY 430: Industrial Psychology	PSY 341: Developmental Psychology (SB)	PSY 304: Effective Thinking (L)
PSY 453: Organizational Behavior (SB)	PSY 446: Social Development (L or SB)	PSY 330: Statistical Methods (CS)
PSY 468: Psychology and Law	PSY 447: Psychology of Aging (SB)	
PSY 482: Social Influence and Consumer Behavior (SB)		
<b>PSY Electives: Social Influence</b>	<b>Related Coursework Electives</b>	<b>PSY Electives: Experiential</b>
PSY 306: Environmental Psychology (SB)	ASB Elective	PSY 344: Directed Child Study (SB)
PSY 350: Social Psychology (SB)	COM Elective	PSY 394: Special Topics
PSY 370: Interpersonal Relationships (SB)	POS Elective	PSY 399: Supervised Research
PSY 385: Psychology of Gender (SB)	PSY Elective	PSY 484: Internship
	SBS Elective	PSY 493: Honors Thesis (L) or HON 493: Honors Thesis (L)
	SOC Elective	PSY 494: Special Topics
	JHR Elective	PSY 499: Individualized Instruction
<b>PSY Electives: Experiential</b>		
PSY 344: Directed Child Study (SB)		
PSY 394: Special Topics		
PSY 399: Supervised Research		
PSY 484: Internship		
PSY 493: Honors Thesis (L) or HON 493: Honors Thesis (L)		
PSY 494: Special Topics		
PSY 499: Individualized Instruction		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Psychology, BA








School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [Online](#)

ASPGSBA

**FT** Fast Track Options: 2.5 Year | 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. SBS 300 (3 credits) is required for all transfer students in place of ASU 101-UC.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Coursework Elective	3	C	<ul style="list-style-type: none"> <li>• Additional subjects may be used to fulfill related area requirements with academic advisor approval.</li> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4	C	<ul style="list-style-type: none"> <li>• Build your <a href="#">professional skills</a>.</li> </ul>
Elective	3		
Term hours subtotal:	7		

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• PSY 230 may not be used to fulfill the CS requirement in the major. ACO 100, CIS 105, CSE 180 or EDT 180 required.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
⚠ Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>• PSY 290 should be used to fulfill the SG requirement.</li> <li>• Explore an <a href="#">IGLE international experience</a> or <a href="#">ASU Study Abroad</a>.</li> </ul>
Global Awareness (G)	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Social/Developmental Core	3	C	<ul style="list-style-type: none"> <li>• Psychology courses listed cannot be used to fulfill multiple requirements within the major.</li> </ul>
Upper Division Social/Developmental Core AND Upper Division Social-Behavioral Sciences (SB)	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
ACO 100: All About Data: Design, Query, and Visualization (CS) OR ★ CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	<ul style="list-style-type: none"> <li>• SBS 300 (3 credit hours) is required for all transfer students in place of ASU 101-UC.</li> </ul>
Upper Division Elective OR SBS 300: Careers in Psychology	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Neuroscience Core	3	C	<ul style="list-style-type: none"> <li>• Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in general studies.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; * Completion of two sequential semesters of coursework in a current computer language.	3	C	
Term hours subtotal:	6		

		Minimum	
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Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ PSY Elective	3	C	<ul style="list-style-type: none"> <li>Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in general studies.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; * Completion of two sequential semesters of coursework in a current computer language.	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		6	

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	<ul style="list-style-type: none"> <li>Additional subjects may be used to fulfill related area requirements with academic advisor approval.</li> <li>Thinking about graduate school? Consider registering for a graduate school <b>test prep course</b>.</li> </ul>
Related Coursework Elective	3	C	
Term hours subtotal:		6	

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Related Coursework Elective	3	C	<ul style="list-style-type: none"> <li>Additional subjects may be used to fulfill related area requirements with academic advisor approval.</li> <li>Create your <b>professional online presence</b>.</li> </ul>
Elective	3	C	
Term hours subtotal:		6	

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Neuroscience Core	3	C	<ul style="list-style-type: none"> <li>Additional subjects may be used to fulfill related area requirements with academic advisor approval.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Related Coursework Elective	3	C	
Term hours subtotal:		6	

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Social-Behavioral Sciences (SB)	3		<ul style="list-style-type: none"> <li>Additional subjects may be used to fulfill related area requirements with academic advisor approval.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Elective	3		
Term hours subtotal:		6	

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective	3		



Term hours subtotal: 6

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	• Apply for full-time career opportunities.
Upper Division Elective	3		
Term hours subtotal:		6	

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:		6	

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	
Term hours subtotal:		3	

- Courses used to fulfill PSY Elective requirements can only apply once in the major and may not be used to fulfill multiple psychology major requirements.

Hide Course List(s)/Track Group(s)

Neuroscience Core	Social/Developmental Core	Upper Division Psychology Electives
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	PSY 304: Effective Thinking (L)
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	PSY 315: Personality Theory and Research (SB)
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	PSY 320: Learning and Motivation
	PSY 366: Abnormal Psychology (SB)	PSY 323: Sensation and Perception
	PSY 462: Health Psychology	PSY 324: Memory and Cognition
		PSY 341: Developmental Psychology (SB)
		PSY 350: Social Psychology (SB)
		PSY 366: Abnormal Psychology (SB)
		PSY 385: Psychology of Gender (SB)
		PSY 453: Organizational Behavior (SB)
		PSY 462: Health Psychology
		PSY 468: Psychology and Law
Related Coursework Electives		
ASB Elective		
COM Elective		
JHR Elective		

POS Elective

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PSY Elective

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SBS Elective

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SOC Elective

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Psychology, BS





School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus, ASU@Lake Havasu](#)



ASPGSBS





Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Elective	1		
Term hours subtotal:	14		





Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Coursework Electives	3	C	<ul style="list-style-type: none"> <li>• Related Coursework Electives chosen from ASB, COM, JHR, POS, PSY, SBS, SOC, or other courses approved by your academic advisor.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		



Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

		Minimum	
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Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>Psychology BS majors are required to take one Life Science lecture/lab course and one Physical Science lecture/lab course in addition to PSY 290 AND one additional science lecture/lab course that meets SG requirements.</li> <li>PSY 290 may be used to fulfill the SG and major requirements.</li> <li>Related Coursework Electives chosen from ASB, COM, JHR, POS, PSY, SBS, SOC, or other courses approved by your academic advisor.</li> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Physical Science Lab Course - Astronomy, Chemistry, Environmental Science, Geology, or Physics	4	C	
Humanities, Arts and Design (HU)	3		
Global Awareness (G)	3		
Term hours subtotal:	14		

Term 5 59 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 330: Statistical Methods (CS)	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>PSY Elective must be taken from PSY Elective course lists. One lower division PSY Elective may be applied to requirement. See academic advisor for approval.</li> <li>PSY 304 Effective Thinking (L) can be used to meet the upper division L requirement as well as upper division PSY Elective.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
 Upper Division Neuroscience Core Group 1	3	C	
 Upper Division Social/Development Core	3	C	
PSY Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Neuroscience Core Group 2	3	C	<ul style="list-style-type: none"> <li>Upper division PSY Elective must be taken from PSY Elective course lists. See academic advisor for questions.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 Upper Division Social/Development Core	3	C	
Upper Division PSY Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 89 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division PSY Elective	6	C	

Life Science Lab Course - Biology, Forensic Science, Life Science or Microbiology	4	C
Upper Division Language and Cultures: Requirement satisfied through the following:		
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C
Upper Division Elective	3	
Term hours subtotal:	16	

- Psychology BS majors are required to take one Life Science lecture/lab course and one Physical Science lecture/lab course in addition to PSY 290 AND one additional science lecture/lab course that meets SG requirements.
- Upper division PSY Elective must be taken from PSY Elective course lists. See academic advisor for questions.
- Gather **professional references**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division PSY Elective	3	C	<ul style="list-style-type: none"> <li>• Upper division PSY Elective must be taken from PSY Elective course lists. See academic advisor for questions.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Elective OR PSY 484: Internship	3		
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

Select PSY Electives from PSY Elective Course lists. Student may choose PSY Electives from within one area or from multiple areas to meet the requirement. See academic advisor for questions.

No more than 3 credit hours of PSY 399, PSY 484, PSY 499, PSY 493 or HON 493 may count toward PSY Elective requirements.

Related Coursework Electives are to be chosen from ASB, COM, JHR, POS, PSY, SBS, SOC, or other courses approved by your academic advisor.

#### Hide Course List(s)/Track Group(s)

Neuroscience Core Group 1	Neuroscience Core Group 2	Social/Developmental Core
PSY 320: Learning and Motivation	PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)
PSY 323: Sensation and Perception	PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)
PSY 324: Memory and Cognition	PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)
PSY 325: Physiological Psychology	PSY 325: Physiological Psychology	PSY 366: Abnormal Psychology (SB)
	PSY 369: Biology of Human Sexuality	PSY 443: Abnormal Child Psychology (L or SB)
	PSY 470: Psychopharmacology	PSY 462: Health Psychology
Life Science Lab Science Requirement	Physical Science Lab Science Requirement	PSY Electives: Biological / Learning
BIO Elective	AST Elective	PSY 320: Learning and Motivation
FOR Elective	CHM Elective	PSY 323: Sensation and Perception
LSC Elective	ENV Elective	PSY 324: Memory and Cognition
MIC Elective	GLG Elective	PSY 325: Physiological Psychology
	PHY Elective	PSY 369: Biology of Human Sexuality

PSY 425: Biological Bases of Behavior (L)

PSY 470: Psychopharmacology

PSY Electives: Clinical / Health	PSY Electives: Experiential	PSY Electives: Industrial / Organizational
PSY 315: Personality Theory and Research (SB)	PSY 344: Directed Child Study (SB)	PSY 430: Industrial Psychology
PSY 366: Abnormal Psychology (SB)	PSY 394: Special Topics	PSY 453: Organizational Behavior (SB)
PSY 443: Abnormal Child Psychology (L or SB)	PSY 399: Supervised Research	PSY 468: Psychology and Law
PSY 444: Adolescent Psychology and Psychopathology	PSY 484: Internship	PSY 482: Social Influence and Consumer Behavior (SB)
PSY 462: Health Psychology	PSY 493: Honors Thesis (L) or HON 493: Honors Thesis (L)	
PSY 465: Psychology of Stress and Coping	PSY 494: Special Topics	
PSY 472: Clinical Psychology	PSY 499: Individualized Instruction	
PSY 475: Multicultural Issues in Clinical Psychology		
PSY Electives: Life Span / Development	PSY Electives: Methodology and Critical Thinking	PSY Electives: Social Influence
PSY 341: Developmental Psychology (SB)	PSY 304: Effective Thinking (L)	PSY 306: Environmental Psychology (SB)
PSY 446: Social Development (L or SB)		PSY 350: Social Psychology (SB)
PSY 447: Psychology of Aging (SB)		PSY 370: Interpersonal Relationships (SB)
		PSY 385: Psychology of Gender (SB)
Related Coursework Electives		
ASB Elective		
COM Elective		
JHR Elective		
POS Elective		
PSY Elective		
SBS Elective		
SOC Elective		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Psychology, BS



School/College: [New College of Interdisciplinary Arts and Sciences](#)




Location: [Online](#)

ASPGSBS


Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first year composition courses.</li> <li>• Math Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 is required of all freshman students. SBS 300 (3 credits) is required for all transfer students in place of ASU 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Life Science Lab Science Requirement	4	C	<ul style="list-style-type: none"> <li>• Psychology BS majors are required to take one Life Science lecture/lab course and one Physical Science lecture/lab course in addition to PSY 290 AND one additional science lecture/lab course that meets SG requirements.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 2 - B 20 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3		<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> </ul>
Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Develop your <b>professional skills</b>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ PSY 230: Introduction to Statistics (CS)	3	C
Humanities, Arts and Design (HU)	3	
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
Term hours subtotal:	6	

- PSY 230 may not be used to fulfill the CS requirement in the major. ACO 100, CIS 105, CSE 180 or EDT 180 is required.
- Build your professional connections - join the [ASU Mentor Network](#).

Term 4 - A 39 - 46 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ PSY 290: Research Methods (L or SG)	4	C
Global Awareness (G)	3	
Term hours subtotal:	7	

- Psychology BS majors are required to take one Life Science lecture/lab course and one Physical Science lecture/lab course in addition to PSY 290 and the required university general studies SQ.
- Explore an [IGLE international experience](#) or [ASU Study Abroad](#).

Term 4 - B 46 - 52 Credit Hours	Hours	Minimum Grade	Notes
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Cultural Diversity in the U.S. (C)	3	
Elective	3	
Term hours subtotal:	6	

Term 5 - A 52 - 59 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PSY 330: Statistical Methods (CS)	3	C
★ Upper Division Social/Developmental Core	3	C
Elective	1	
Term hours subtotal:	7	

- Psychology courses listed cannot be used to fulfill multiple requirements within the major.

Term 5 - B 59 - 65 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C
Upper Division Elective OR SBS 300: Careers in Psychology	3	
Term hours subtotal:	6	

- SBS 300 (3 credit hours) is required for all transfer students in place of ASU 101-UC.

Term 6 - A 65 - 71 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Neuroscience Core	3	C
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C
Term hours subtotal:	6	

- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in the general studies.

Term 6 - B 71 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PSY Elective	3	C
Upper Division Language and Cultures: Requirement satisfied through the following:		
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		6

- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in general studies.

Term 7 - A 77 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division PSY Elective	3	C
Physical Science Lab Science Requirement	4	C
Term hours subtotal:		7

- Psychology BS majors are required to take one Life Science lecture/lab course and one Physical Science lecture/lab course in addition to PSY 290 AND one additional science lecture/lab course that meets SG requirements.
- If PSY 304 is used for the upper division L, it may be used to fulfill the upper division elective requirement in the major.
- Thinking about graduate school? Consider registering for a grad school **test prep course**.

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Social/Developmental Core AND Upper Division Social-Behavioral Sciences (SB)	3	C
Elective	3	
Term hours subtotal:		6

- Create your **professional online presence**

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Neuroscience Core	3	C
Elective	3	
Term hours subtotal:		6

- Use Handshake to research **employment opportunities**.

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Related Coursework Elective	3	C
Upper Division Elective	3	
Term hours subtotal:		6

- Additional subjects may be used to fulfill related area requirements with academic advisor approval.
- Complete an in person or virtual **practice interview**.

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division PSY Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	C
Term hours subtotal:		6

- If PSY 304 is used for the upper division L, it may be used to fulfill the upper division elective requirement in the major.
- Gather **professional references**.

Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division PSY Elective	3	C	• Apply for full-time career opportunities.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division PSY Elective	3	C	
Elective	3		
Term hours subtotal:	6		

- Courses used to fulfill PSY Elective requirements can only apply one in the major and may not be used to fulfill multiple psychology major requirements.

Hide Course List(s)/Track Group(s)

Neuroscience Core	Social/Developmental Core	Upper Division Psychology Elective List
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	PSY 304: Effective Thinking (L)
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	PSY 315: Personality Theory and Research (SB)
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	PSY 320: Learning and Motivation
	PSY 366: Abnormal Psychology (SB)	PSY 323: Sensation and Perception
	PSY 462: Health Psychology	PSY 324: Memory and Cognition
		PSY 341: Developmental Psychology (SB)
		PSY 350: Social Psychology (SB)
		PSY 366: Abnormal Psychology (SB)
		PSY 385: Psychology of Gender (SB)
		PSY 453: Organizational Behavior (SB)
		PSY 462: Health Psychology
		PSY 468: Psychology and Law
Life Science Lab Science Requirement	Physical Science Lab Science Requirement	Related Coursework Electives
BIO Elective	AST Elective	ASB Elective
ENV Elective	CHM Elective	COM Elective
LSC Elective	GLG Elective	JHR Elective
MIC Elective	PHY Elective	PSY Elective
		SBS Elective
		SOC Elective

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Psychology (Forensic Psychology), BA





School/College: [New College of Interdisciplinary Arts and Sciences](#)


Location: [West campus](#)

ASPGSFPBA

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
Related Coursework Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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📌 PSY 290: Research Methods (L or SG)	4	C
Global Awareness (G)	3	
Humanities, Arts and Design (HU)	3	
Complete 2 courses:		
Elective	6	
Term hours subtotal:	16	

- Explore an internship, IGLE international experience, or ASU Study Abroad.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Neuroscience Focus Area Course #1	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• PSY 304 Effective Thinking (L) can be used to meet the upper division L requirement as well as PSY Related Coursework Elective.</li> <li>• Thinking about graduate school? Consider registering for a graduate <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
CRJ 309: Criminology (SB)	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Related Coursework Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PSY 468: Psychology and Law	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Upper Division Neuroscience Focus Area Course #2	3	C	
CRJ 260: Substantive Criminal Law	3	C	
Upper Division Social/Developmental Focus Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PSY 368: Forensic Psychology	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>
Related Coursework Elective	3	C	
Upper Division Related Coursework Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Forensic Psychology Concentration Elective	3	C	• Apply for full-time <b>career opportunities</b> .
Upper Division Elective OR PSY 484: Internship	3		
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Neuroscience Focus Area Course #1	Neuroscience Focus Area Course #2	Social/Developmental Focus Area Course
PSY 320: Learning and Motivation	PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)
PSY 323: Sensation and Perception	PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)
PSY 324: Memory and Cognition	PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)
PSY 325: Physiological Psychology	PSY 325: Physiological Psychology	PSY 443: Abnormal Child Psychology (L or SB)
	PSY 330: Statistical Methods (CS)	PSY 462: Health Psychology
	PSY 369: Biology of Human Sexuality	
	PSY 470: Psychopharmacology	
Forensic Psychology Concentration Elective	Related Coursework Electives	
CRJ 435: Crime and Forensic Mental Health	ASM Elective	
PSY 443: Abnormal Child Psychology (L or SB)	COM Elective	
PSY 474: Correctional Psychology	POS Elective	
	PSY Elective	
	SBS Elective	
	SOC Elective	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### Psychology (Forensic Psychology), BA



School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [Online](#)

ASPGSFPBA


Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. SBS 300 (3 credits) is required for all transfer students in place of ASU 101-UC.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Coursework Elective	3	C	<ul style="list-style-type: none"> <li>• Additional subjects may be used to fulfill related area requirements with academic advisor approval.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional skills</b>.</li> </ul>
Elective	3		
Term hours subtotal:	7		

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• PSY 230 may not be used to fulfill the CS general studies requirement. ACO 100, CIS 105, CSE 180 or EDT 180 required in Term 5-B.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
❖ Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>• PSY 290 will also be used to fulfill the SG general studies requirement.</li> <li>• Explore an <a href="#">IGLE international experience</a> or <a href="#">ASU Study Abroad</a>.</li> </ul>
Global Awareness (G)	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Social/Developmental Focus Area	3	C	<ul style="list-style-type: none"> <li>• Psychology courses listed cannot be used to fulfill multiple requirements within the major.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ACO 100: All About Data: Design, Query, and Visualization (CS) OR ★ CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	<ul style="list-style-type: none"> <li>• SBS 300 (3 credit hours) is required for all transfer students in place of ASU 101-UC.</li> </ul>
Upper Division Elective OR SBS 300: Careers in Psychology	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Neuroscience Focus Area	3	C	<ul style="list-style-type: none"> <li>• Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in general studies.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRJ 309: Criminology (SB)	3	C	<ul style="list-style-type: none"> <li>• Upper division C and G courses used to fulfill the Language and Cultures</li> </ul>

Upper Division Language and Cultures: Requirement satisfied through the following:

\* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

3 C

requirement may not also be used to fulfill the C and G requirements in general studies.

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PSY 366: Abnormal Psychology (SB)

3 C

Related Coursework Elective

3 C

Term hours subtotal: 6

- Additional subjects may be used to fulfill related area requirements with academic advisor approval.
- Thinking about graduate school? Consider registering for a grad school **test prep course**.

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
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Related Coursework Elective

3 C

Elective

3

Term hours subtotal: 6

- Additional subjects may be used to fulfill related area requirements with academic advisor approval.
- Create your **professional online presence**.

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Neuroscience Focus Area

3 C

Upper Division Related Coursework Elective

3 C

Term hours subtotal: 6

- Additional subjects may be used to fulfill related area requirements with academic advisor approval.
- Use Handshake to research **employment opportunities**.

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective

3

Elective

3

Term hours subtotal: 6

- Complete an in person or virtual **practice interview**.

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Literacy and Critical Inquiry (L)

3

Elective

3

Term hours subtotal: 6

- Gather **professional references**.

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PSY 368: Forensic Psychology

3 C

Elective

3

Term hours subtotal: 6

- Apply for full-time **career opportunities**.

Term 10 - A 111 - 117 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 468: Psychology and Law	3	C	
Upper Division Psychology Concentration Elective	3	C	
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 260: Substantive Criminal Law	3	C	
Term hours subtotal:	3		

- The Additional Psychology Courses listed in the track can only apply once in the major and may not be used to fulfill multiple psychology major requirements.

Hide Course List(s)/Track Group(s)

Neuroscience Focus Area	Social/Developmental Focus Area	Upper Division Psychology Concentration Elective
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	PSY 474: Correctional Psychology
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	
PSY 330: Statistical Methods (CS)	PSY 462: Health Psychology	
Related Coursework Electives		
ASM Elective		
COM Elective		
POS Elective		
PSY Elective		
SBS Elective		
SOC Elective		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Psychology (Forensic Psychology), BS

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASPGSFPBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Elective	1		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• If lower division L requirement is completed in Term 2, PSY 290 may be used to fulfill the SG requirement in the major.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

📌 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>Psychology BS majors are required to take one Life Science lecture/lab course and one Physical Science lecture/lab course in addition to PSY 290 and the required university general studies SQ.</li> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Physical Science Interdisciplinary Lab Course	4	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	14		

Term 5 59 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Neuroscience Focus Area Course #1	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a graduate test prep course.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
CRJ 309: Criminology (SB)	3	C	
PSY 330: Statistical Methods (CS)	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 74 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PSY 468: Psychology and Law	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Upper Division Neuroscience Focus Area Course #2	3	C	
CRJ 260: Substantive Criminal Law	3	C	
Upper Division Social/Developmental Focus Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 89 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PSY 368: Forensic Psychology	3	C	<ul style="list-style-type: none"> <li>Psychology BS majors are required to take one Life Science lecture/lab course and one Physical Science lecture/lab course in addition to PSY 290 and the required university general studies SQ.</li> <li>Gather <b>professional references</b>.</li> </ul>
Life Science Interdisciplinary Lab Course	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			
Elective	6		
Term hours subtotal:	16		

		Minimum	
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Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Forensic Psychology Concentration Elective	3	C	• Apply for full-time career opportunities.
Upper Division Related Coursework Elective	3	C	
Upper Division Elective OR PSY 484: Internship	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Neuroscience Focus Area Course #1	Neuroscience Focus Area Course #2	Social/Developmental Focus Area Course
PSY 320: Learning and Motivation	PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)
PSY 323: Sensation and Perception	PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)
PSY 324: Memory and Cognition	PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)
PSY 325: Physiological Psychology	PSY 325: Physiological Psychology	PSY 443: Abnormal Child Psychology (L or SB)
	PSY 369: Biology of Human Sexuality	PSY 462: Health Psychology
	PSY 470: Psychopharmacology	
Forensic Psychology Concentration Elective	Physical Science Interdisciplinary Lab Courses	Life Science Interdisciplinary Lab Courses
CRJ 435: Crime and Forensic Mental Health	AST Elective	BCH Elective
PSY 443: Abnormal Child Psychology (L or SB)	CHM Elective	BIO Elective
PSY 474: Correctional Psychology	ENV Elective	FOR Elective
	GLG Elective	LSC Elective
	PHY Elective	MIC Elective
Related Coursework Electives		
ASM Upper Division Elective		
COM Upper Division Elective		
POS Upper Division Elective		
PSY Upper Division Elective		
SBS Upper Division Elective		
SOC Upper Division Elective		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)



**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map

### Psychology (Forensic Psychology), BS

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [Online](#)

ASPGSFPBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first year composition courses.</li> <li>• Math Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 is required of all freshman students. SBS 300 (3 credits) is required for all transfer students in place of ASU 101.</li> <li>• Select your <b>Career Interest Communities</b> and <a href="mailto:playme3@ASU">playme3@ASU</a>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Life Science Lab Science Requirement	4	C	<ul style="list-style-type: none"> <li>• Psychology (BS) majors are required to take one Life Science course (lecture and lab) and one Physical Science course (lecture and lab) in addition to PSY 290 and the two required general studies science courses.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		
Term 2 - B 20 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>• If lower division L requirement is completed in Term 2B, PSY 290 may be used to fulfill the SG requirement in the major.</li> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>• Develop your <b>professional skills</b>.</li> </ul>
Elective	3		
Term hours subtotal:	7		
Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❖ PSY 230: Introduction to Statistics (CS)	3	C
Humanities, Arts and Design (HU)	3	
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
Term hours subtotal:	6	

- PSY 230 may not be used to fulfill the CS requirement in the major. ACO 100, CIS 105, CSE 180 or EDT 180 required.
- Build your professional connections - join the [ASU Mentor Network](#).

Term 4 - A 39 - 46 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ PSY 290: Research Methods (L or SG)	4	C
Global Awareness (G)	3	
Term hours subtotal:	7	

- PSY 290 will fulfill the SG requirement.
- Explore an [IGLE international experience](#) or [ASU Study Abroad](#).

Term 4 - B 46 - 52 Credit Hours	Hours	Minimum Grade	Notes
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Cultural Diversity in the U.S. (C)	3	
Elective	3	
Term hours subtotal:	6	

Term 5 - A 52 - 59 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PSY 330: Statistical Methods (CS)	3	C
★ Upper Division Social/Developmental Focus Area	3	C
Elective	1	
Term hours subtotal:	7	

- Psychology courses listed cannot be used to fulfill multiple requirements within the major.

Term 5 - B 59 - 65 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C
Upper Division Elective OR SBS 300: Careers in Psychology	3	
Term hours subtotal:	6	

- SBS 300 (3 credit hours) is required for all transfer students in place of ASU 101-UC.

Term 6 - A 65 - 71 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Neuroscience Focus Area	3	C
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C
Term hours subtotal:	6	

- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in the general studies.

Term 6 - B 71 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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CRJ 309: Criminology (SB)	3	C
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have		

- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to

a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

3 C

fulfill the C and G requirements in general studies.

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 77 - 84 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 366: Abnormal Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Psychology BS majors are required to take one Life Science course (lecture and lab) and one Physical Science course (lecture and lab) in addition to PSY 290 and the two required general studies science courses.</li> </ul>
Physical Science Lab Science Requirement	4	C	
Term hours subtotal:	7		

Term 7 - B 84 - 90 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Elective	6		<ul style="list-style-type: none"> <li>Create your <b>professional online presence</b>.</li> </ul>
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Neuroscience Focus Area	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Related Coursework Elective	3	C	<ul style="list-style-type: none"> <li>Additional subjects may be used to fulfill related area requirements with academic advisor approval.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3	C	<ul style="list-style-type: none"> <li>If PSY 304 is used for the upper division L, it may be used to fulfill the upper division elective requirement in the major.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 368: Forensic Psychology	3	C	<ul style="list-style-type: none"> <li>Apply for full-time <b>career opportunities</b>.</li> </ul>
CRJ 260: Substantive Criminal Law	3	C	
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 468: Psychology and Law	3	C	

Upper Division Psychology Concentration Elective	3	C
Term hours subtotal:	6	

- The Additional Psychology Courses listed in the track can only apply once in the major and may not be used to fulfill multiple psychology major requirements.

Hide Course List(s)/Track Group(s)

Neuroscience Focus Area	Social/Developmental Focus Area	Upper Division Psychology Concentration Elective
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	PSY 474: Correctional Psychology
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	
	PSY 462: Health Psychology	
Related Coursework Electives	Life Science Lab Science Requirement	Physical Science Lab Science Requirement
ASM Elective	BIO Elective	AST Elective
COM Elective	LSC Elective	CHM Elective
PSY Elective	MIC Elective	GLG Elective
SBS Elective		PHY Elective
SOC Elective		

Notes:

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Social Justice and Human Rights, BA





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASJHRBA

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JHR 100: Introduction to Social Justice and Human Rights (SB & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 meets this requirement.</li> <li>• IAS 300 is required by all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• Students select one focus area and complete 18 credit hours from within that area.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Focus Area Course	3	C	

Cultural Diversity in the U.S. (C)	3
Complete 3 courses:	
Elective	9
Term hours subtotal:	15

- Explore an internship, IGLE international experience, or ASU Study Abroad.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HRC 310: Social and Cultural Studies: Method and Theory (C) OR ★ SBS 302: Qualitative Methods OR ASB 389: Ethnographic Field Lab or SBS 389: Ethnographic Field Lab or SOC 389: Ethnographic Field Lab	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>• Develop your professional online presence.</li> </ul>
★ Upper Division Focus Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
★ Upper Division Focus Area Course	3	C	
SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS)	3	C	
Complete 2 courses:			
Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JHR 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> </ul>
★ Upper Division Focus Area Course	3	C	
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	15		

- Select one focus area and complete 18 credit hours from within that area.

Hide Course List(s)/Track Group(s)

Materialism, Intersectionality & Inequality Focus Area	Advocacy & Social Change Focus Area	Critical Trauma Studies & Humanitarianism Focus Area
AMS 334: Class in America (SB)	AMS 276: U.S. Women's Movements (H & C) or WST 276: U.S. Women's Movements (H & C)	AMS 412: Studies in American Politics & Law (H)
AMS 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) or AFR 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) or ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) or ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB)	AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)
ASB 102: Introduction to Cultural Anthropology (SB & G)	ASB 442: Global Cities (SB & G) or SBS 460: Global Cities (SB & G)	AMS 469: Abject Bodies and the Politics of Trash (SB & C) or ETH 469: Abject Bodies and the Politics of Trash (SB & C) or WST 469: Abject Bodies and the Politics of Trash (SB & C)
ASB 211: Women in Other Cultures ((HU or SB) & G)	ASB 447: Citizenship, Nationalism and Identity (SB & C & G) or POS 447: Citizenship, Nationalism and Identity (SB & C & G) or SBS 447: Citizenship, Nationalism and Identity (SB & C & G)	ASB 356: Central American Studies (SB & G) or GCU 356: Central American Studies (SB & G) or SBS 356: Central American Studies (SB & G) or SOC 356: Central American Studies (SB & G) or POS 354: Central American Studies (SB & G)
ASB 340: Migration and Culture (SB & G) or SOC 328: Migration and Culture (SB & G)	ASB 494: Everyday Forms of Political Resistance or POS 494: Everyday Forms of Political Resistance or SOC 494: Everyday Forms of Political Resistance	ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G)
ASB 342: Mexico-U.S. Borderlands (SB & C) or SBS 342: Mexico-U.S. Borderlands (SB & C) or SOC 342: Mexico-U.S. Borderlands (SB & C)	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	
COM 316: Gender and Communication (SB & C)	PHI 306: Applied Ethics (HU)	HST 355: Total War and the Crisis of Modernity (SB & G & H)
ENG 462: Africana Literature (HU & G)	POS 210: Political Ideologies (SB)	HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)
ETH 100: Ethnic and Indigenous Lives (SB & C)	POS 335: Power and American Democracy or SBS 335: Power and American Democracy	HST 404: Conquest and Encounters in Colonial Latin America (L & G)
ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C)	POS 336: Voters in America (SB)	HST 430: The Ottoman Empire in the Classical Period
HST 419: 20th Century Chicano/a History (C) or LAS 419: 20th Century Chicano/a History (C)	POS 350: Comparative Politics (SB & G)	HST 454: History of Genocide (G & H)
IAP 464: Media and Diversity (HU & G)	POS 434: Media and Politics (SB)	HST 495: Latin America and the Cold War (L)
PHI 360: Business and Professional Ethics (HU)	POS 437: Women, Power, and Politics (G)	IAP 307: Art and War (HU & G)
POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G)	POS 438: Latino Politics (SB & C)	IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)
	POS 446: Democracy (HU)	LAS 355: Contemporary Mexican Cinema: Changing Cartographies
	POS 470: Law and the Political Order (SB)	LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to
	POS 494: The Sociology of Everyday Life or SBS 494: The Sociology of Everyday Life or SOC 494: The Sociology of Everyday Life	
	SOC 334: Technology and Society (L or SB)	
	SOC 352: Social Change (SB & G & H)	



POS 464: Border Cities: Action Research on Globalization (SB & G)	SOC 456: Political Sociology	Reconciliation (HU & G) or SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)
POS 486: International Political Economy (SB & G)		NEW 300: International Cities
SOC 241: Modern Social Problems (SB)		PHI 494: Trauma Studies
SOC 264: Gender and Society (SB & C)		POS 436: Gender, Sexuality, Nation-States
SOC 270: Racial and Ethnic Relations (SB & C)		POS 454: Mexico (SB & G)
SOC 426: Social Inequality (SB)		POS 456: Latin American Cities (SB & G)
WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)		POS 480: Global Justice (G) or SBS 480: Global Justice (G)
		POS 484: Asylum Greece or SOC 484: Asylum Greece
		SOC 331: Environmental Sociology (SB & G)
		WST 333: Critical Perspectives on Sexuality (SB & C)
		WST 385: Psychology of Gender (SB)
		WST 444: Gender, Health, and Bodies (SB)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Social and Behavioral Sciences, BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASSBSBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Introductory Social and Behavioral Science Course AND Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• Select <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 119: Finite Mathematics (MA) OR MAT 142: College Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	2		
Term hours subtotal:	15		
<b>Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 Program Elective	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a></li> <li>• Join a <a href="#">student club</a> or professional organization</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
<b>Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 SBS 200: Introduction to Social and Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a></li> </ul>
 SBS 304: Social Statistics I (CS)	3	C	
Program Elective	3	C	
Humanities, Arts and Design (HU)	3		
Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
<b>Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>

❖ SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods	3	C
❖ Program Elective	3	C
Literacy and Critical Inquiry (L)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Elective	2	
Term hours subtotal:	15	

- Explore an internship, IGLE international experience or ASU Study Abroad.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SBS 301: Cultural Diversity (L or SB) & C	3	C
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3	
Upper Division Elective	3	
Elective	3	
Cultural Diversity in the U.S. (C)	3	
Term hours subtotal:	15	

- IAS 300 (3 credit hours) is required for all transfer students.
- Completion of SBS 301 in Term 5 and upper division language and cultures course in Term 7 fulfills the New College upper division language and cultures requirement.
- Develop your **professional online presence**.
- Thinking about graduate school? Consider registering for a grad school **test prep course**.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SBS 484: Internship OR SBS 498: Pro-Seminar (L)	3	C
★ Upper Division Program Elective	3	C
Upper Division Elective	3	
Complete 2 courses: Elective	6	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Use Handshake to research **employment opportunities**.
- Complete an in person or virtual **practice interview**

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses: Upper Division Program Elective	6	C
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	15	

- Completion of SBS 301 in Term 5 and upper division language and cultures course in Term 7 fulfills the New College upper division language and cultures requirement.
- Gather **professional references**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 3 courses: Upper Division Program Elective	9	C
Complete 2 courses:		

- Apply for **full-time career opportunities**.

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 Term hours subtotal: 15

- Working with an academic advisor, select and complete courses from at least three of the following prefixes: ASB, JHR, POS, SBS, or SOC. Eighteen credit hours must be taken from courses offered by the School of Social and Behavioral Sciences. Upon academic advisor approval, up to six credit hours of Internship, Supervised Research and Individualized Instruction may be applied toward the major and up to three credit hours of International Internship or Study Abroad courses (relevant to the major) may be applied to the major.

#### Hide Course List(s)/Track Group(s)

Introductory Social and Behavioral Science Course	Program Electives
ASB 102: Introduction to Cultural Anthropology (SB & G)	ASB Elective
COM 100: Introduction to Human Communication (SB)	JHR Elective
JHR 100: Introduction to Social Justice and Human Rights (SB & G)	POS Elective
POS 110: American Government and Politics (SB)	SBS Elective
SOC 101: Introductory Sociology (SB)	SOC Elective
SOS 111: Sustainable Cities ((HU or SB) & G)	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Social and Behavioral Sciences, BS

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASSBSBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Introductory Social and Behavioral Science Course AND Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• Select <a href="#">Career Interest Communities</a> and <a href="#">play me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 119: Finite Mathematics (MA) OR MAT 142: College Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	2		
Term hours subtotal:	15		
<b>Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 Program Elective	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a></li> <li>• Join a <a href="#">student club</a> or professional organization</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
<b>Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 SBS 200: Introduction to Social and Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a></li> </ul>
 SBS 304: Social Statistics I (CS)	3	C	
Program Elective	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
<b>Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>

📌 SBS 303: Quantitative Methods	3	C
📌 Program Elective	3	C
Literacy and Critical Inquiry (L)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Elective	3	
Term hours subtotal:	16	

- Explore an internship, IGLE international experience or ASU Study Abroad.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SBS 301: Cultural Diversity (L or SB) & C	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Develop your professional online presence.</li> <li>• Thinking about graduate school? Consider registering for a grad school test prep course.</li> </ul>
★ SBS 302: Qualitative Methods	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Complete 2 courses:	6		
Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SBS 404: Social Statistics II: Multivariate Analysis (CS)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
★ SBS 484: Internship OR SBS 498: Pro-Seminar (L)	3	C	
★ Upper Division Program Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; * .	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Program Elective	6	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; * .	3	C	
Upper Division Elective	3		
Elective	3		

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Program Elective	6	C	• Apply for full-time career opportunities.
Complete 3 courses: Elective	9		
Term hours subtotal:		15	

- Working with an academic advisor, select and complete courses from at least three of the following prefixes: ASB, JHR, POS, SBS, or SOC. Eighteen credit hours must be taken from courses offered by the School of Social and Behavioral Sciences. Upon academic advisor approval, up to six credit hours of Internship, Supervised Research and Individualized Instruction may be applied toward the major and up to three credit hours of International Internship or Study Abroad courses (relevant to the major) may be applied to the major.

Hide Course List(s)/Track Group(s)

Introductory Social and Behavioral Science Course	Program Electives
ASB 102: Introduction to Cultural Anthropology (SB & G)	ASB Elective
COM 100: Introduction to Human Communication (SB)	JHR Elective
JHR 100: Introduction to Social Justice and Human Rights (SB & G)	POS Elective
POS 110: American Government and Politics (SB)	SBS Elective
SOC 101: Introductory Sociology (SB)	SOC Elective
SOS 111: Sustainable Cities ((HU or SB) & G)	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Social and Cultural Analysis (American Studies), BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [West campus](#)



ASSCAASBA




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please speak with academic advisor.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		



Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 American Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 (C) fulfills 3 credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a <b>grad school test prep course</b>.</li> <li>Develop your <b>professional online presence</b></li> </ul>
Complete 2 courses:			
Upper Division American Studies Concentration Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			<ul style="list-style-type: none"> <li>Use <b>Handshake</b> to research <b>employment opportunities</b></li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division American Studies Concentration Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following:			
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			
Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division American Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective OR IAS 484: Internship	3		
Complete 3 courses:			
Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 480: Capstone: Practices and Approaches (L)	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Complete 2 courses:			
Upper Division American Studies Concentration Course	6	C	

- For Area of Concentration, choose 24 credit hours (eight courses) from the program concentration course list.

## Hide Course List(s)/Track Group(s)

## American Studies Concentration Course

AMS 201: Introduction to American Studies  
(L & C)

AMS 276: U.S. Women's Movements (H & C)

AMS 326: Popular Culture

AMS 330: American Lives (HU & C)

AMS 334: Class in America (SB)

AMS 336: The American Southwest in  
Literature and Film ((L or HU) & C)

AMS 353: African American Literature:  
Beginnings through the Harlem Renaissance  
((L or HU) & C)

AMS 354: African American Literature:  
Harlem Renaissance to the Present ((L or HU)  
& C)

AMS 380: Race, Gender, and Class (SB & C)

AMS 412: Studies in American Politics & Law  
(H)

AMS 428: Peoples and Cultures of the  
American West, to 1848 (SB & H)

AMS 449: Hate Speech, Manifestos, and  
Radical Writings (SB & C)

AMS 450: Latina/os, Schooling and Social  
Inequality (C)

AMS 469: Abject Bodies and the Politics of  
Trash (SB & C)

ENG 337: Major American Novels (L or HU)

HST 320: U.S. Urban History since 1850 (SB  
& H)

HST 413: Contemporary America ((L or SB)  
& H)

HST 419: 20th Century Chicano/a History (C)

REL 321: Religion in America ((L or HU) & C  
& H)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [West campus](#)



ASSCAERBA




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		



Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please speak with academic advisor.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Ethnicity, Race and Indigenous Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 (C) fulfills 3 credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b></li> </ul>
<i>Complete 2 courses:</i>			
Upper Division Ethnicity, Race and Indigenous Studies Concentration Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>Use <b>Handshake</b> to research <b>employment opportunities</b></li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 Upper Division Ethnicity, Race and Indigenous Studies Concentration Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
<i>Complete 2 courses:</i>			
Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Ethnicity, Race and Indigenous Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective OR IAS 484: Internship	3		
<i>Complete 3 courses:</i>	9		
Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 480: Capstone: Practices and Approaches (L)	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
<i>Complete 2 courses:</i>			

Upper Division Ethnicity, Race and Indigenous Studies Concentration Course	6	C
Upper Division Elective	3	
Term hours subtotal:	12	

- For Area of Concentration, choose 24 credit hours (eight courses) from the program concentration course list.

Hide Course List(s)/Track Group(s)

Ethnicity, Race, and Indigenous Studies Concentration
ENG 317: Cross-Cultural Writing ((L or HU) & G)
ENG 420: Multicultural Autobiographies ((L or HU) & C)
ENG 462: Africana Literature (HU & G)
ENG 463: African American Literature
ETH 100: Ethnic and Indigenous Lives (SB & C)
ETH 334: The American Southwest in Literature and Film ((L or HU) & C)
ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
ETH 380: Race, Gender, and Class (SB & C)
ETH 428: Peoples and Cultures of the American West, to 1848 (SB & H)
ETH 430: Gender on the Borderlands (SB & G)
ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C)
ETH 450: Latina/os, Schooling and Social Inequality (C)
ETH 469: Abject Bodies and the Politics of Trash (SB & C)
ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or HST 419: 20th Century Chicano/a History (C)
LAS 419: 20th Century Chicano/a History (C)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Social and Cultural Analysis (Latin American Studies), BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [West campus](#)




ASSCALABA




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		


Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please speak with academic advisor.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Latin American Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an <a href="#">internship</a>, <a href="#">IGLE international experience</a> or <a href="#">ASU Study Abroad</a>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 (C) fulfills 3 credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a <a href="#">grad school test prep course</a>.</li> <li>Develop your <a href="#">professional online presence</a></li> </ul>
 Complete 2 courses:	6	C	
Upper Division Latin American Studies Concentration Course			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:	6	C	<ul style="list-style-type: none"> <li>Use <a href="#">Handshake</a> to research <a href="#">employment opportunities</a></li> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Latin American Studies Concentration Course			
Upper Division Language and Cultures: Requirement satisfied through the following:			
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:	6		
Upper Division Elective			
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Latin American Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> </ul>
Upper Division Elective OR LAS 484: Internship	3		
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 480: Capstone: Practices and Approaches (L)	3	C	<ul style="list-style-type: none"> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
 Complete 2 courses:	6	C	
Upper Division Latin American Studies Concentration Course			

- For Area of Concentration, choose 24 credit hours (eight courses) from the program concentration course list.

## Hide Course List(s)/Track Group(s)

## Latin American Studies Concentration

LAS 205: Deep Roots: Latin America (HU & G)

LAS 206: Locating Latin America: Interdisciplinary Methods

LAS 330: From the Inside: The Latin American Journey (HU)

LAS 340: Latin American Women Writers

LAS 350: The Construction of a Nation: Chile in the 20th/21st Century

LAS 351: Cityscapes: Urban Mexican Literature and Culture

LAS 355: Contemporary Mexican Cinema: Changing Cartographies

LAS 375: Colonial Latin America (SB & H)

LAS 376: Modern Latin America (SB & G & H)

LAS 404: Conquest and Encounters in Colonial Latin America (L & G)

LAS 419: 20th Century Chicano/a History (C)

LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H)

LAS 430: Gender on the Borderlands (SB & G)

LAS 441: Latin America and the World Economy (L & G & H)

LAS 450: Latina/os, Schooling and Social Inequality (C)

LAS 471: Treaties and Cultural Production in Spain and the Americas

LAS 473: Indigenous and Latina/Chicana Representation (SB & C)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)

LAS 481: Dictatorships and Dirty Wars: Latin  
American Cinema from Resistance to  
Reconciliation (HU & G)

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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Social and Cultural Analysis (Peace Studies), BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [West campus](#)




ASSCAPSBA




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		



Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please speak with academic advisor.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Peace Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 (C) fulfills 3 credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a <b>grad school test prep course</b>.</li> <li>Develop your <b>professional online presence</b></li> </ul>
 Complete 2 courses:	6	C	
Upper Division Peace Studies Concentration Course			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:	6	C	<ul style="list-style-type: none"> <li>Use <b>Handshake</b> to research <b>employment opportunities</b></li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Peace Studies Concentration Course			
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:	6		
Upper Division Elective			
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Peace Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective OR IAS 484: Internship	3		
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 480: Capstone: Practices and Approaches (L)	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
 Complete 2 courses:	6	C	
Upper Division Peace Studies Concentration Course			

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 Term hours subtotal: 12

- For Area of Concentration, choose 24 credit hours (eight courses) from the program concentration course list.

## Hide Course List(s)/Track Group(s)

## Peace Studies Concentration

AMS 276: U.S. Women's Movements (H & C)  
or WST 276: U.S. Women's Movements (H & C)

ASB 339: Grassroots Social Movements (SB)  
or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB)

ENG 312: English in its Social Setting (L or HU or SB)

HST 454: History of Genocide (G & H) or FOR 454: History of Genocide (G & H)

IAP 307: Art and War (HU & G)

IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)

NEW 100: Introduction to Conflict Resolution

PAX 230: Introduction to Peace Studies (G)

PAX 456: Studies in Forensic Linguistics

PHI 306: Applied Ethics (HU)

POS 480: Global Justice (G) or SBS 480: Global Justice (G)

REL 381: Religion and Moral Issues (L or HU)

SOC 241: Modern Social Problems (SB)

WST 494: Race, Sexuality, & Social Justice Movements

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Social and Cultural Analysis (Queer and Sexuality Studies), BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [West campus](#)



ASSCAQSBA




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please speak with academic advisor.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>Queer and Sexuality Studies Concentration Course</b>	3	C	<ul style="list-style-type: none"> <li>• Explore an <a href="#">internship</a>, <a href="#">IGLE international experience</a> or <a href="#">ASU Study Abroad</a>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <b>HRC 310: Social and Cultural Studies: Method and Theory (C)</b>	3	C	<ul style="list-style-type: none"> <li>• HRC 310 (C) fulfills 3 credit hours of the New College Language and Cultures requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a <a href="#">grad school test prep course</a>.</li> <li>• Develop your <a href="#">professional online presence</a></li> </ul>
<i>Complete 2 courses:</i>			
Upper Division Queer and Sexuality Studies Concentration Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Use <a href="#">Handshake</a> to research <a href="#">employment opportunities</a></li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Queer and Sexuality Studies Concentration Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
<i>Complete 2 courses:</i>			
Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Queer and Sexuality Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> </ul>
Upper Division Elective OR WST 484: Internship	3		
<i>Complete 3 courses:</i>			
Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 480: Capstone: Practices and Approaches (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
 <i>Complete 2 courses:</i>			
Upper Division Queer and Sexuality Studies Concentration Course	6	C	

- For Area of Concentration, choose 24 credit hours (eight courses) from the program concentration course list.

## Hide Course List(s)/Track Group(s)

## Queer and Sexuality Studies Concentration

AMS 276: U.S. Women's Movements (H & C)  
or WST 276: U.S. Women's Movements (H & C)

SWU 180: Introduction to Lesbian, Gay,  
Bisexual and Transgender (LGBT) Studies  
(SB & C)

WST 100: Women, Gender, and Society (SB  
& C) or WST 300: Women and Gender in  
Contemporary Society (SB & C)

WST 333: Critical Perspectives on Sexuality  
(SB & C)

WST 376: Feminist Theory (H & C)

WST 380: Race, Gender, and Class (SB & C)

WST 385: Psychology of Gender (SB)

WST 444: Gender, Health, and Bodies (SB)

WST 449: Hate Speech, Manifestos, and  
Radical Writings (SB & C)

WST 457: Women, Cultures, and Societies  
(SB & G)

WST 469: Abject Bodies and the Politics of  
Trash (SB & C)

WST 494: Race, Sexuality, & Social Justice  
Movements

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Social and Cultural Analysis (Women and Gender Studies), BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [West campus](#)



ASSCAWSBA




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		



Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please speak with academic advisor.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Women and Gender Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an <a href="#">internship</a>, <a href="#">IGLE international experience</a> or <a href="#">ASU Study Abroad</a>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 (C) fulfills 3 credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a <a href="#">grad school test prep course</a>.</li> <li>Develop your <a href="#">professional online presence</a></li> </ul>
Complete 2 courses:			
Upper Division Women and Gender Studies Concentration Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			<ul style="list-style-type: none"> <li>Use <a href="#">Handshake</a> to research <a href="#">employment opportunities</a></li> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Women and Gender Studies Concentration Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following:			
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			
Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Women and Gender Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> </ul>
Upper Division Elective OR WST 484: Internship	3		
Complete 3 courses:			
Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 480: Capstone: Practices and Approaches (L)	3	C	<ul style="list-style-type: none"> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Complete 2 courses:			
 Upper Division Women and Gender Studies Concentration Course	6	C	

- For Area of Concentration, choose 24 credit hours (eight courses) from the program concentration course list.

## Hide Course List(s)/Track Group(s)

## Women and Gender Studies Concentration

ENG 454: Gender and Literature (L or HU)

HST 328: Women in U.S. History, 1880-1980  
((HU or SB) & C & H)

SBS 301: Cultural Diversity ((L or SB) & C)

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)

WST 220: Gender, Media and Culture ((HU or SB) & C)

WST 276: U.S. Women's Movements (H & C)

WST 333: Critical Perspectives on Sexuality (SB & C)

WST 341: Latin American Women Writers

WST 370: Chronicling Women's Lives (HU & C)

WST 376: Feminist Theory (H & C)

WST 380: Race, Gender, and Class (SB & C)

WST 385: Psychology of Gender (SB)

WST 390: Women, Gender and Religion (HU & G)

WST 430: Gender on the Borderlands (SB & G)

WST 444: Gender, Health, and Bodies (SB)

WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)

WST 457: Women, Cultures, and Societies (SB & G)

WST 469: Abject Bodies and the Politics of Trash (SB & C)

WST 473: Indigenous and Latina/Chicana Representation (SB & C)

WST 494: Race, Sexuality, & Social Justice Movements

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.














## 2019 - 2020 Major Map

### Sociology, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu

ASSOCBA

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Elective	3		
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC Elective	3	C	<ul style="list-style-type: none"> <li>• For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	

Cultural Diversity in the U.S. (C)	3
Global Awareness (G)	3
Complete 2 courses: Elective	6
Term hours subtotal:	15

- Explore an **internship**, an **IGLE international experience**, or **ASU Study Abroad**.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.</li> <li>• A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ SBS 304: Social Statistics I (CS)	3	C	
★ SOC Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>• For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.</li> <li>• A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Complete 2 courses: SOC Upper Division Elective	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC 426: Social Inequality (SB) OR SOC 486: Contemporary Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.</li> <li>• A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.</li> <li>• Gather <b>professional references</b>.</li> </ul>
SOC Upper Division Elective	3	C	
Related Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.</li> <li>A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Related Area Course	3	C	
Upper Division Elective OR SOC 484: Internship	3		
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses
ASB Elective
JHR Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Sociology, BS

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASSOCBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Elective	3		
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC Elective	3	C	<ul style="list-style-type: none"> <li>• For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Related Area Course	6	C	

Cultural Diversity in the U.S. (C)	3
Global Awareness (G)	3
Elective	3
Term hours subtotal:	15

- Explore an **internship**, an **IGLE international experience**, or **ASU Study Abroad**.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SBS 303: Quantitative Methods	3	C	
★ SBS 304: Social Statistics I (CS)	3	C	
SOC Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

- IAS 300 (3 credit hours) is required for all transfer students.
- For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.
- A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.
- Thinking about graduate school? Consider registering for a grad school **test prep course**.
- Develop your **professional online presence**.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SBS 302: Qualitative Methods	3	C	
Complete 2 courses: SOC Upper Division Elective	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.
- A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.
- Use Handshake to research **employment opportunities**.
- Complete an in person or virtual **practice interview**.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	
Related Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.
- A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.
- Gather **professional references**.

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
★ SOC 426: Social Inequality (SB) OR SOC 486: Contemporary Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.</li> <li>• A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
SOC Upper Division Elective	3	C	
Upper Division Elective OR SOC 484: Internship	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses
ASB Elective
JHR Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map



### Spanish, BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)





Location: [West campus](#)

ASSPABA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 102: Elementary Spanish II	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• SPA 101 is for true beginners, is considered introductory, does not count toward the major, and taking it will extend the amount of time to degree completion. See an academic advisor for more information.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 201: Intermediate Spanish (G)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 202: Intermediate Spanish (G)	4	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections <math>\hat{A}_i</math> join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)	3	C	<ul style="list-style-type: none"> <li>Explore an internship, an IGLE international experience, or ASU study abroad.</li> </ul>
Related Area Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
 SPA 325: Introduction to Hispanic Literature (HU)	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Spanish Culture and Civilization Course	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 Upper Division Spanish Literature Course	3	C	
Related Area Elective	3	C	
Upper Division Elective	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Spanish Culture and Civilization Course	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
 Upper Division Spanish Literature Course	3	C	
Complete 2 courses:			
Related Area Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Spanish Culture and Civilization Course	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities.</li> </ul>
 Complete 2 courses:			
Upper Division Spanish Literature Course	6	C	
Upper Division Elective OR SPA 484: Internship	3		
Elective	3		
Term hours subtotal:	15		



- Literature: choose 12 hours (four courses)
- Culture and Civilization: choose 12 hours (four courses). Courses taught in English will require all written work in Spanish for major credit.
- Related Area Electives: total of 12 hours (four courses). Choose from SPA, LAS or Related Area Electives List. Other courses must be approved by an academic advisor.
- No course may be used to satisfy more than one of these requirements. Other courses must be approved by an academic advisor.

Hide Course List(s)/Track Group(s)

Related Area Electives	Upper Division Spanish Culture and Civilization	Upper Division Spanish Literature
ASB 356: Central American Studies (SB & G) or GCU 356: Central American Studies (SB & G) or SBS 356: Central American Studies (SB & G) or SOC 356: Central American Studies (SB & G) or POS 354: Central American Studies (SB & G)	LAS 330: From the Inside: The Latin American Journey (HU)	LAS 340: Latin American Women Writers
ENG 334: The American Southwest in Literature and Film ((L or HU) & C)	LAS 355: Contemporary Mexican Cinema: Changing Cartographies	LAS 351: Cityscapes: Urban Mexican Literature and Culture
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	LAS 394: Special Topics	SPA 425: Foundational Texts of Spain (L or HU)
LAS 205: Deep Roots: Latin America (HU & G)	LAS 471: Treaties and Cultural Production in Spain and the Americas	SPA 426: Literature and Society in Modern Spain (HU)
LAS 206: Locating Latin America: Interdisciplinary Methods	LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)	SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)
LAS 340: Latin American Women Writers	LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)	SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)
LAS 350: The Construction of a Nation: Chile in the 20th/21st Century	LAS 494: Special Topics	SPA 429: Writing Mexico: Major Texts ((L or HU) & G)
LAS 351: Cityscapes: Urban Mexican Literature and Culture	SPA 394: Special Topics	SPA 434: Drama of the Golden Age
LAS 355: Contemporary Mexican Cinema: Changing Cartographies	SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)	SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)
LAS 375: Colonial Latin America (SB & H)	SPA 472: Latin American Society: Five Case Studies (HU & H & G)	SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)
LAS 376: Modern Latin America (SB & H)	SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)	
LAS 404: Conquest and Encounters in Colonial Latin America (L & G)	SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G)	
LAS 419: 20th Century Chicano/a History (C)	SPA 494: Special Topics	
LAS 428: Peoples and Cultures of the American West, to 1848 (SB)		
LAS 471: Treaties and Cultural Production in Spain and the Americas		
LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)		

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)

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POS 351: Democratization (SB & G)

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POS 453: Latin America (SB & G)

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POS 454: Mexico (SB & G)

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SPA 412: Advanced Conversation and Composition (G)

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SPA 413: Advanced Spanish Grammar (G)

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SPA 456: 20th-Century Spanish American Fiction

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SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Statistics, BS





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASSTABS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
NEW 101: The ASU New College Experience	1		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• Completion of both ACO 101 and ACO 102 with a C or better satisfies the New College Language and Cultures requirement. If an upper division C or G course is taken in term 4, another upper division C or G course must be taken in term 8 to satisfy the New College Language and Cultures requirement.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
 STP 280: Probability and Statistics for Researchers (CS)	3	C	
ACO 101: Introduction to Computer Science (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ STP 281: Statistical Analysis for Researchers	3	C	<ul style="list-style-type: none"> <li>Completion of both ACO 101 and ACO 102 with a C or better satisfies the New College Language and Cultures requirement. If an upper division C or G course is taken in term 4, another upper division C or G course must be taken in term 8 to satisfy the New College Language and Cultures requirement.</li> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
ACO 102: Object-Oriented Programming (CS)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ STP 310: Design and Analysis of Experiments	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ STP 311: Regression and Time Series Analyses	3	C	
MAT 343: Applied Linear Algebra	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ STP 315: Statistical Computing	3	C	<ul style="list-style-type: none"> <li>Focus areas are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. Please consult with your academic advisor to select the proper courses for the desired related field.</li> <li>Students interested in graduate school should enroll in MAT 300, MAT 371 and MAT 472.</li> <li>LSC 388 is strongly recommended for students interested in graduate school.</li> <li>For data science careers, complete ACO courses for focus area.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Statistics Course	3	C	
Focus Area Course	3	C	
Literacy and Critical Inquiry (L) ( LSC 388 recommended)	3	C	
Upper Division Elective OR STP 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ STP 485: Statistics Capstone	3	C	<ul style="list-style-type: none"> <li>Focus areas are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. Please consult with your academic advisor to select the proper courses for the desired related field.</li> <li>Students interested in graduate school should enroll in MAT 300, 371 and MAT 472.</li> <li>For data science careers, complete ACO courses for focus area.</li> <li>Gather <b>professional references</b>.</li> </ul>
★ STP 421: Probability	3	C	
Upper Division Statistics Course	3	C	
Focus Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STP 427: Mathematical Statistics	3	C	<ul style="list-style-type: none"> <li>• Focus areas are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. Please consult with your academic advisor to select the proper courses for the desired related field.</li> <li>• Students interested in graduate school should enroll in MAT 300, MAT 371 and MAT 472 for focus area.</li> <li>• For data science careers, complete ACO courses for focus area.</li> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Statistics Course	3	C	
Focus Area Course	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	15		

- Focus areas courses are in related disciplines in the New College of Interdisciplinary Arts and Sciences. Please consult with your academic advisor to select the proper courses for the desired focus area.
- Students planning on attending graduate school should enroll in MAT 300, MAT 371, and MAT 472.

Hide Course List(s)/Track Group(s)

Focus Area Course	Upper Division Statistics Course
ACO 201: Data Structures and Algorithms (CS)	STP 450: Nonparametric Statistics
ACO 320: Database Systems	STP 451: Quality Improvement
ACO 350: Systems Programming (CS)	STP 452: Multivariate Statistics
CHM 113: General Chemistry I (SQ)	STP 460: Categorical Data Analysis
CHM 116: General Chemistry II (SQ)	
CHM 233: General Organic Chemistry I	
MAT 243: Discrete Mathematical Structures	
MAT 300: Mathematical Structures (L)	
MAT 371: Advanced Calculus I	
MAT 421: Applied Computational Methods (CS)	
MAT 450: Mathematical Models in Biology	
MAT 472: Intermediate Real Analysis I	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

**Total College Residency Hrs:** 12 minimum

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map



### Women and Gender Studies, BS




School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASWSTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• Student should consult an advisor on (MA) course selection to ensure pre-requisites for selected Statistics or Quantitative Methods requirement are met.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 WST 100: Women, Gender, and Society (SB & C)	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	C	
NEW 101: The ASU New College Experience	1		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		




Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		




Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Women and Gender Studies Elective	3	C	<ul style="list-style-type: none"> <li>• If student is interested in taking PSY 230 to satisfy 3 credit hours of the Statistics or Quantitative Methods requirement then PSY 101 should be selected.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) OR PSY 101: Introduction to Psychology (SB)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			




Complete First-Year Composition requirement.

Term hours subtotal: 15

- Build your professional connections - join the [ASU Mentor Network](#).

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST 276: U.S. Women's Movements (H & C)	3	C	<ul style="list-style-type: none"> <li>• Explore an <a href="#">internship</a>, an <a href="#">IGLE international experience</a>, or <a href="#">ASU Study Abroad</a>.</li> </ul>
 Women and Gender Studies Elective	3	C	
Global Awareness (G)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students; elective credit hours may need adjustment. If transfer student, please see your academic advisor.</li> <li>• Completion of HRC 310 with a C or better fulfills 3 credit hours of the New College Language and Cultures requirement.</li> <li>• Thinking of grad school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
 Complete 2 courses: Upper Division Women and Gender Studies Elective	6	C	
Statistics or Quantitative Methods Electives	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 3 courses: Upper Division Women and Gender Studies Elective	9	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Women and Gender Studies Elective	6	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective OR WST 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	15		

		Minimum	
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Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ HRC 480: Capstone: Practices and Approaches (L)	3	C	• Apply for full-time career opportunities.
★ Complete 2 courses:			
Upper Division Women and Gender Studies Elective	6	C	
Statistics or Quantitative Methods Electives	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

- For Women and Gender Studies Electives, students must choose courses from the Women and Gender Studies Electives course list. Other courses must be approved by an academic advisor before enrollment. No course may be used to satisfy more than one requirement in the major.

Hide Course List(s)/Track Group(s)

Women and Gender Studies Electives	Statistics or Quantitative Methods Electives
AMS 332: Studies in Race and Ethnicity	PSY 230: Introduction to Statistics (CS)
AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H)	PSY 290: Research Methods (L or SG)
COM 316: Gender and Communication (SB & C)	SBS 303: Quantitative Methods
COM 416: Gender and Race in the Media	SBS 304: Social Statistics I (CS)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	STP 226: Elements of Statistics (CS)
ENG 454: Gender and Literature (L or HU)	STP 420: Introductory Applied Statistics (CS)
ENG 455: Contemporary Women Writers	
ENG 461: Studies in Women and Literature (HU)	
ENG 462: Africana Literature (HU & G)	
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	
HST 419: 20th Century Chicano/a History (C)	
SBS 301: Cultural Diversity ((L or SB) & C)	
SOC 426: Social Inequality (SB)	
WST 220: Gender, Media and Culture ((HU or SB) & C)	
WST 333: Critical Perspectives on Sexuality (SB & C)	
WST 341: Latin American Women Writers or LAS 340: Latin American Women Writers	
WST 370: Chronicling Women's Lives (HU & C)	

WST 376: Feminist Theory (H & C)

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WST 380: Race, Gender, and Class (SB & C)

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WST 385: Psychology of Gender (SB)

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WST 390: Women, Gender and Religion (HU & G) or REL 390: Women, Gender and Religion (HU & G)

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WST 430: Gender on the Borderlands (SB & G)

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WST 444: Gender, Health, and Bodies (SB)

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WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)

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WST 457: Women, Cultures, and Societies (SB & G)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Digital Audiences, BS

School/College: [Walter Cronkite School of Journalism & Mass Comm](#)

Location: [Online](#)

CSDIGABS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MCO 120: Media and Society (SB)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU 101 or College specific equivalent First Year Seminar required of all freshman students</li> <li>Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB)	3		<ul style="list-style-type: none"> <li>View ASU Online first-time freshman registration information <a href="#">here</a></li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MCO 102: Fundamentals of Coding	1	C	<ul style="list-style-type: none"> <li>Create a first draft <a href="#">resume</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Elective	3		
Term hours subtotal:	7		
Term 2 - B 20 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> </ul>
Mass Communication Elective	3	C	
 Complete ENG 101 or ENG 105 or ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		
Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 6

Term 4 - A 39 - 45 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	2		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Literacy and Critical Inquiry (L)	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MCO 307: The Digital Audience	3	C	• Develop your professional online presence
Elective	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MCO 436: Audience Research and Behavior	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB)	3		• Use Handshake to research employment opportunities
Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MCO 437: Audience Acquisition and Engagement	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		• Complete an in person or virtual practice interview
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

		Minimum	
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Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ MCO 438: Digital Audience Analysis	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		• Gather professional references
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MCO 439: Digital Audience Growth	3	C	• Apply for full-time career opportunities
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

- Mass Communication Electives
- MCO 240: Media Issues in American Pop Culture
- MCO 302: Media Research Methods
- MCO 366: Media Ethics and Diversity
- MCO 403: Media Law
- MCO 418: History of Mass Communication (SB & H)
- MCO 425: Digital Media Literacy I
- MCO 426: Digital Media Literacy II

MCO 430: International Mass Communication (G)

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MCO 435: Social Media

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MCO 450: Visual Communication (HU)

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MCO 456: Political Communication (SB)

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MCO 460: Race, Gender, and Media (C)

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MCO 465: Sports and Media

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MCO 470: Exploring the Business of Journalism

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MCO 473: Sex, Love, and Romance in the Mass Media (SB)

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MCO 494: Special Topics

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Journalism and Mass Communication, BA



School/College: Walter Cronkite School of Journalism & Mass Comm

Location: Downtown Phoenix campus

CSJMCBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determined placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman and transfer students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students should take a placement exam.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 305: Multimedia Journalism	3	C	
Computer/Statistics/Quantitative Applications (CS) AND Statistics Course	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C	<ul style="list-style-type: none"> <li>• Students interested in Public Relations should enroll in JMC 301</li> <li>• Courses you are taking now will impact your eligibility for certain Professional Programs. Please consult with your academic adviser to make sure you are on the right track to achieve your goal.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
Philosophy Course AND Humanities, Arts and Design (HU)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	16		

🚩 Complete First-Year Composition requirement.

🚩 Complete Mathematics (MA) requirement.

🚩 Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 4 48 - 64 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	<ul style="list-style-type: none"><li>• Related Area courses must be approved by an academic adviser</li><li>• Explore careers and internship opportunities through <a href="#">Cronkite Career Services</a></li></ul>
JMC 366: Journalism Ethics and Diversity	3	C	
SOC 101: Introductory Sociology (SB) OR PSY 101: Introduction to Psychology (SB)	3		
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. AND Global Awareness (G)	4	C	
🚩 Complete JMC 305 AND JMC 366 course(s).			
🚩 Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 5 64 - 80 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
MCO Upper Division Elective	3	C	<ul style="list-style-type: none"><li>• Students interested in Public Relations should enroll in JMC 310. Review course recommendations with academic adviser.</li><li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li></ul>
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Natural Science - Quantitative (SQ)	4		
Cultural Diversity in the U.S. (C)	3		

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 6 80 - 96 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Advanced Skills Course	3	C	<ul style="list-style-type: none"><li>• Advanced Skills course should be selected in consultation with academic adviser</li><li>• Students following PR track should enroll in JMC 436; all others should enroll in JMC 473</li><li>• Related Area courses must be approved by an academic adviser</li></ul>
JMC 473: The Business and Future of Journalism OR JMC 436: Public Relations Research	3	C	
JMC 484: Internship	3	Y	
Related Area Course	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		

★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 96 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ JMC 402: Mass Communication Law	3	C
★ Upper Division Advanced Skills Course	3	C
JMC OR MCO Upper Division Elective	3	C
Related Area Course	3	C
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	12	

- Professional Programs require placement and can be completed in fall or spring. Consult with your academic adviser to review your eligibility for certain programs.
- Students interested in additional Professional Program credit can apply it toward their Upper Division Advanced Skills Course credit. Consult with your academic adviser for more information.
- Related Area courses must be approved by an academic adviser
- Complete an in person or **virtual practice interview**

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Professional Program	3	C	• Related Area courses must be approved by an academic adviser
JMC OR MCO Upper Division Elective	3	C	
Related Area Course	3	C	
Upper Division Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- Advanced Skills course should be selected in consultation with academic adviser

Hide Course List(s)/Track Group(s)

Statistics (CS)	Philosophy	U.S. History
JUS 302: Statistical Analysis for Justice Studies (CS)	HON 171: The Human Event (L or HU)	HST 109: United States to 1865 ((HU or SB) & H)
SOC 390: Social Statistics I (CS)	PHI 101: Introduction to Philosophy (HU)	HST 306: Studies in United States History ((HU or SB) & H)
STP 226: Elements of Statistics (CS)	PHI 103: Principles of Sound Reasoning (L or HU)	HST 314: American Cultural History Since 1865 ((HU or SB) & H)
SWU 321: Statistics for Social Workers (CS)	PHI 105: Intro to Ethics (HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)
	PHI 306: Applied Ethics (HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
		HST 334: African American History Since 1865 ((HU or SB) & C & H)
		HST 337: American Indian History to 1900 ((HU or SB) & C & H)
		HST 338: American Indian History since 1900 ((HU or SB) & C & H)
Related Area Courses	Advanced Skills Courses	
ACC Elective	JMC 320: Newscast Producing	

ASB Elective	JMC 330: Television Reporting
ASM Elective	JMC 333: Advanced Bilingual Broadcast Reporting
COM Elective	JMC 351: Photojournalism I
CRJ Elective	JMC 412: Opinion Writing
ECN Elective	JMC 413: Advanced Editing
ENG Elective	JMC 414: Digital Graphic Design
FAS Elective	JMC 415: Writing for Public Relations
FIN Elective	JMC 421: Advanced Digital Storytelling
FMP Elective	JMC 430: Sports Marketing and Campaigns
FMS Elective	JMC 434: Advanced Bilingual Reporting
GCU Elective	JMC 437: Documentary Production
GPH Elective	JMC 440: Magazine Writing
HST Elective	JMC 451: Photojournalism II
JUS Elective	JMC 452: Visual Storytelling
LES Elective	JMC 453: Reporting on Business and the Economy
MGT Elective	JMC 455: Digital Media Entrepreneurship
MKT Elective	JMC 457: Advanced Radio Reporting
POS Elective	JMC 460: Advanced Online Media
PRM Elective	JMC 465: Telling Stories with Data
REA Elective	JMC 470: Depth Reporting
REL Elective	JMC 476: Public Relations Laboratory
SOC Elective	JMC 477: New Media Innovation and Entrepreneurship Lab
TDM Elective	JMC 478: Cronkite News - Phoenix
THE Elective	JMC 478: Cronkite News: Los Angeles
THP Elective	JMC 479: Cronkite News: Washington Bureau
WST Elective	JMC 480: Cronkite News: Phoenix Sports Bureau
	JMC 481: Cronkite News: Los Angeles Sports Bureau
	JMC 482: Sports Knowledge Lab
	JMC 485: Television Magazine
	JMC 486: Digital Audiences Lab

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map











### Journalism and Mass Communication, BA

School/College: [Walter Cronkite School of Journalism & Mass Comm](#)

Location:  
CSJMCBA

and  
Graphic  
Information  
Technology,  
BS

[Ira A. Fulton Schools of Engineering](#)  
TSGITBS







Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 135: Graphic Communications	3		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 101: Grammar for Journalists	1	Y	
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 210: Creative Thinking and Design Visualization	3		<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> <li>• Select your <b>career interest community</b> and play <b>me3@ASU</b></li> </ul>
 JMC 201: News Reporting and Writing (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Summer 2 32 - 39 Credit Hours	Hours	Minimum Grade	Notes
STP 226: Elements of Statistics (CS)	3		





Natural Science - Quantitative (SQ)



4

Term hours subtotal: 7

- Build your professional connections --- join the [ASU Mentor Network](#)

Term 3 39 - 55 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3		<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
 JMC 305: Multimedia Journalism	3	C	
JMC 351: Photojournalism I	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 4 55 - 71 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C	For Focus Area Courses, students must select one of the following focus areas:
 GIT 215: Introduction to Web Authoring	3		
GIT 250: Introduction to Commercial Print	3		<ul style="list-style-type: none"> <li>• Web Design and Development</li> <li>• 2D-3D Gaming Animation</li> <li>• Digital Design, Print and Publishing</li> <li>• Commercial Photography and Video</li> </ul>
JMC 345: Videography	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. AND Global Awareness (G)	4	C	
 Minimum 2.50 GPA ASU Cumulative.			All 12 hours of focus area courses must be taken from the same focus area.
Term hours subtotal:	16		

Term 5 71 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 303: Digital Publishing	3		<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
GIT 384: Commercial Photography	3		
JMC 414: Digital Graphic Design	3	C	
GIT Focus Area Course	3		
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H) AND Cultural Diversity in the U.S. (C)	3		
Philosophy AND Humanities, Arts and Design (HU)	3		
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 6 89 - 102 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Journalism and Mass Communication Major Elective	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
JMC 473: The Business and Future of Journalism	3	C	
GIT Focus Area Course	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 13

Term 7 102 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GIT 432: Graphic Industry Business Practices	3		• Gather professional references
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
JMC 484: Internship	3	Y	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
GIT Focus Area Course	3		
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15

Term 8 117 - 132 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GIT 413: Professional Portfolio Design and Presentation	3		
★ JMC 477: New Media Innovation and Entrepreneurship Lab	3	C	
JMC 402: Mass Communication Law	3	C	
POS 310: American National Government (SB)	3		
GIT Focus Area Course	3		

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

- For Focus Area Courses, students must select one of the following focus areas:
  - Web Design and Development
  - 2D-3D Gaming Animation
  - Digital Design, Print and Publishing
  - Commercial Photography and Video

All 12 hours of focus area courses must be taken from the same focus area.

Hide Course List(s)/Track Group(s)

Philosophy	U.S. History Course	Journalism & Mass Communication Upper Division Major Elective
HON 171: The Human Event (L or HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	JMC 451: Photojournalism II
PHI 101: Introduction to Philosophy (HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	JMC 455: Digital Media Entrepreneurship
PHI 103: Principles of Sound Reasoning (L or HU)	HST 334: African American History Since 1865 ((HU or SB) & C & H)	JMC 460: Advanced Online Media
PHI 105: Intro to Ethics (HU)	HST 337: American Indian History to 1900 ((HU or SB) & C & H)	MCO 425: Digital Media Literacy I
PHI 306: Applied Ethics (HU)	HST 338: American Indian History since 1900 ((HU or SB) & C & H)	

<b>GIT Focus Area: Front-End Web Design and Development</b>	<b>GIT Focus Area: Game Art &amp; Animation</b>	<b>GIT Focus Area: Digital Design, Print and Publishing</b>
GIT 337: Web Content Design	GIT 211: Introduction to Video Game Art	GIT 333: Printing Technology
GIT 340: Information Design and Usability	GIT 312: 3-D Computer Graphics Modeling and Representation (CS)	GIT 334: Image Editing and Manipulation
GIT 402: New Media Internet Technologies	GIT 314: Multimedia Design, Planning and Storyboards	GIT 437: Color Reproduction Systems
GIT 414: Web Site Design and Internet/Web Technologies	GIT 411: Computer Animation	GIT 450: Digital Workflow in Graphic Industries
GIT 417: Advanced Web Markup and Scripting	GIT 450: Digital Workflow in Graphic Industries	GIT 494: Special Topics
GIT 418: Multimedia Authoring, Scripting and Production	GIT 494: Special Topics	TWC 411: Principles of Visual Communication (L)
GIT 435: Website and E-Commerce Strategies		
GIT 450: Digital Workflow in Graphic Industries		
GIT 494: Special Topics		
<b>GIT Focus Area: Commercial Photography and Video</b>		
GIT 295: Introduction to Technical Imaging		
GIT 315: Digital Video Techniques		
GIT 334: Image Editing and Manipulation		
GIT 415: Advanced Digital Video Techniques		
GIT 490: Advanced Commercial Photography		
GIT 450: Digital Workflow in Graphic Industries		
GIT 494: Special Topics		

**Total Hours:** 132

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Journalism and Mass Communication, BA



School/College: Walter Cronkite School of Journalism & Mass Comm

Location:  
CSJMCBA

and  
Transborder  
Chicana/o  
and  
Latina/o  
Studies  
(Media and  
Expressive  
Culture),  
BA

The College of Liberal Arts and Sciences  
LATCLMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 305: Multimedia Journalism	3	C	
STP 226: Elements of Statistics (CS)	3		

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).

◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 3 32 - 48 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ JMC 366: Journalism Ethics and Diversity	3	C	• Build your professional connections --- join the <a href="#">ASU Mentor Network</a>
◆ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	
◆ TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) & C)	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
◆ Complete Mathematics (MA) requirement.			
◆ Complete First-Year Composition requirement.			
◆ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 4 48 - 65 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C	• Complete Spanish language proficiency by end of semester 4 - for the college requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) general studies requirement. • Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
◆ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..	4	C	
◆ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 5 65 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism	3	C	• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
★ TCL 303: Transborder Theory (SB)	3	C	
JMC 435: Latino and Transnational Issues	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 402: Mass Communication Law	3	C	• Explore an <b>internship</b>
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
JMC 470: Depth Reporting	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SPA Upper Division Elective	3	C	
Media and Expressive Culture Track Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	• Gather <b>professional references</b>
JMC 484: Internship	3	Y	
Upper Division JMC Advanced Skills Course	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
Media and Expressive Culture Track Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Professional programs require placement. Please consult your academic advisor. • Apply for <b>full-time career opportunities</b> .
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Complete 2 courses: Media and Expressive Culture Track Course	6	C	
Professional Program Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

- Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Students must complete 15 credit hours from the Media and Expressive Culture Track.

Hide Course List(s)/Track Group(s)

Philosophy Course	Professional Program Courses	JMC Advanced Skills Course
HON 171: The Human Event (L or HU)	JMC 477: New Media Innovation and Entrepreneurship Lab	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)		

PHI 103: Principles of Sound Reasoning (L or HU)	JMC 478: Cronkite News - Phoenix Bureau	JMC 325: Breaking News Multimedia Reporting
PHI 105: Intro to Ethics (HU)	JMC 478: Cronkite News: Los Angeles	JMC 330: Television Reporting
PHI 306: Applied Ethics (HU)	JMC 479: Cronkite News: Washington Bureau	JMC 333: Advanced Bilingual Broadcast Reporting
	JMC 485: Television Magazine	JMC 351: Photojournalism I
		JMC 413: Advanced Editing
		JMC 414: Digital Graphic Design
		JMC 421: Advanced Digital Storytelling
		JMC 430: Sports Marketing and Campaigns
		JMC 434: Advanced Bilingual Reporting
		JMC 437: Documentary Production
		JMC 440: Magazine Writing
		JMC 455: Digital Media Entrepreneurship
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 478: Cronkite News: Los Angeles
		JMC 479: Cronkite News: Washington Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab

Media and Expressive Culture Track

TCL 211: Transborder Chicano/a and Latino/a Poetry (HU & C)

TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU & C)

TCL 328: U.S. Latino Religion and Culture (HU & C)

TCL 331: Mexican American History to 1900 (SB & H & C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU & C & G)

TCL 351: Transborder Chicano/a and Latino/a Art (HU & C)

TCL 352: Chicana/o Film (C)

TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

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TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU)

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TCL 464: Latina/o Literature ((L or HU) & C)

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TCL 471: Latinos In Hollywood (HU & C)

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TCL 484: Internship

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TCL 485: Chicana and Latina Writers ((L or HU) & C)

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TCL 490: Transborder Queer Performativity (HU & C)

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**Total Hours:** 129

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Journalism and Mass Communication, BA

School/College: Walter Cronkite School of Journalism & Mass Comm

Location:  
CSJMCBA

and

Transborder

Chicana/o

and Latina/o

Studies

(Transborder

Community





Development



and Health),

BA

The College of Liberal Arts and Sciences

LATCLTBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest area</b> and play me3@ASU</li> <li>• Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 305: Multimedia Journalism	3	C	
STP 226: Elements of Statistics (CS)	3		

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).

◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 3 32 - 48 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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◆ JMC 366: Journalism Ethics and Diversity	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
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◆ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C
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PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	
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Transborder Community Development and Health Track Course	3	C
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Second Language: Requirement satisfied through the following:  
 \* Completion of Spanish SPA language course at the intermediate level (202 or equivalent). 4 C

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 4 48 - 65 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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◆ JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C	<ul style="list-style-type: none"> <li>• Complete Spanish language proficiency by end of semester 4 - for the college requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) general studies requirement.</li> <li>• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.</li> </ul>
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◆ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C
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JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C
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Natural Science - Quantitative (SQ)	4	
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Second Language: Requirement satisfied through the following:  
 \* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation.. 4 C

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 17

Term 5 65 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ JMC 473: The Business and Future of Journalism	3	C	
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★ TCL 303: Transborder Theory (SB)	3	C	
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JMC 435: Latino and Transnational Issues	3	C	
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TCL 323: Latino Health Issues (SB & C)	4	C	
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
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★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 17

		Minimum	
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Term 6 82 - 100 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ JMC 402: Mass Communication Law	3	C	• Explore an <b>internship</b>
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
JMC 470: Depth Reporting	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SPA Upper Division Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 7 100 - 115 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
JMC 484: Internship	3	Y	
TCL 321: Transborder Community Development and Health	3	C	
Upper Division JMC Advanced Skills Course	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			• Gather <b>professional references</b>
Term hours subtotal:	15		

Term 8 115 - 130 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Professional programs require placement. Please consult your academic advisor. • Apply for <b>full-time career opportunities</b> .
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Professional Program Course	3	C	
Complete 2 courses: Transborder Community Development and Health Track Course	6	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

- Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Students must complete 15 credit hours from the Transborder Community Development and Health track.

Hide Course List(s)/Track Group(s)

Philosophy Course	JMC Advanced Skills Course	Transborder Community Development and Health Track
HON 171: The Human Event (L or HU)	JMC 320: Newscast Producing	
PHI 101: Introduction to Philosophy (HU)	JMC 325: Breaking News Multimedia Reporting	TCL 315: Chicana/o and Latina/o Family Structures (SB)



PHI 103: Principles of Sound Reasoning (L or HU)	JMC 330: Television Reporting	TCL 326: Health of Chicanas and Latinas (SB & C)
PHI 105: Intro to Ethics (HU)	JMC 333: Advanced Bilingual Broadcast Reporting	TCL 327: Health and Migration (SB)
PHI 306: Applied Ethics (HU)	JMC 351: Photojournalism I	TCL 342: Social Demographics of Latino Populations (SB & C)
	JMC 413: Advanced Editing	TCL 410: Race, Medicine, and the Body (L)
	JMC 414: Digital Graphic Design	TCL 422: U.S.-Mexico Border Health
	JMC 421: Advanced Digital Storytelling	TCL 424: Theory and Practice of Community Development and Health (SB)
	JMC 430: Sports Marketing and Campaigns	TCL 443: Political Ecology of the Border (SB & G)
	JMC 434: Advanced Bilingual Reporting	TCL 447: Gender, Culture, and Development ((L or SB) & G)
	JMC 437: Documentary Production	TCL 484: Internship
	JMC 440: Magazine Writing	
	JMC 455: Digital Media Entrepreneurship	
	JMC 460: Advanced Online Media	
	JMC 465: Telling Stories with Data	
	JMC 477: New Media Innovation and Entrepreneurship Lab	
	JMC 478: Cronkite News: Phoenix Bureau	
	JMC 478: Cronkite News: Los Angeles	
	JMC 479: Cronkite News: Washington Bureau	
	JMC 485: Television Magazine	
	JMC 486: Digital Audiences Lab	

Professional Program Courses

JMC 477: New Media Innovation and Entrepreneurship Lab

JMC 478: Cronkite News - Phoenix Bureau

JMC 478: Cronkite News: Los Angeles

JMC 479: Cronkite News: Washington Bureau

JMC 485: Television Magazine

JMC 486: Digital Audiences Lab

**Total Hours:** 130

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Journalism and Mass Communication, BA

School/College: Walter Cronkite School of Journalism & Mass Comm

Location:   
CSJMCBA

and














Geography

(Meteorology-Climatology),

BS

The College of Liberal Arts and Sciences

LAGCUMBS

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students should take a placement exam, regardless of prior credit earned.</li> </ul>	
 JMC 110: Principles and History of Journalism (SB)	3	C		
 MAT 170: Precalculus (MA)	3	C		
ASU 101-CS: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
JMC 102: Coding for Journalists	1	C		
JMC 120: Studio Production	1	C		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C		
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	17			
Term 2 17 - 35 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 GPH 111: Introduction to Physical Geography (SQ)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest area</b> and play me3@ASU</li> </ul>	
 GPH 112: Introduction to Physical Geography Lab (SQ)	1	C		
 JMC 201: News Reporting and Writing (L)	3	C		
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	18			
Term 3 35 - 53 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes

❖ JMC 305: Multimedia Journalism	3	C
❖ MAT 271: Calculus with Analytic Geometry II (MA)	4	C
❖ PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C
JMC 366: Journalism Ethics and Diversity	3	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
❖ Complete First-Year Composition requirement.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	18	

- Develop your **professional online presence**
- Develop your **skills**

Term 4 53 - 71 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C
❖ MAT 272: Calculus with Analytic Geometry III (MA)	4	C
❖ PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C
JMC 345: Videography	3	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent). AND Global Awareness (G)	4	C
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	18	

- Students should consult with an academic adviser to determine a journalism path and appropriate course selections for JMC Advanced Skill courses.

Term 5 71 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ JMC 330: Television Reporting	3	C
★ JMC 473: The Business and Future of Journalism	3	C
GPH 212: Introduction to Meteorology (SQ)	3	C
GPH 314: Global Change (HU & G) OR Upper Division CLAS Science and Society Elective	3	
GPH 409: Synoptic Meteorology I	4	C
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)
- The Science and Society list is found [here](#).
- Explore an **internship**

Term 6 87 - 103 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ JMC 484: Internship	3	Y
GPH 213: Climate and Weather (SG) OR CLAS Science and Society Elective	3	C
GPH 410: Synoptic Meteorology II	4	C
GPH 412: Physical Meteorology	3	C
Upper Division JMC Advanced Skills Course	3	C
★ Minimum 2.50 GPA ASU Cumulative.		

- GPH 410 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course)
- GPH 412 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course)

Term hours subtotal: 16

- Advanced Skills Course should be selected in consultation with academic adviser
- The Science and Society list is found [here](#).

Term 7 103 - 121 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 478: Cronkite News: Phoenix Bureau	3	C	<ul style="list-style-type: none"> <li>• GPH 474 is offered once every two years--during the Fall semester of even-numbered years (so it may be a Term 5 course)</li> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> </ul>
GIS 270: Statistics for Geography and Planning	3	C	
GPH 474: Dynamic Meteorology I	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SOC 101: Introductory Sociology (SB) OR PSY 101: Introduction to Psychology (SB)	3		
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 8 121 - 139 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH 475: Dynamic Meteorology II	3	C	<ul style="list-style-type: none"> <li>• GPH 475 is offered once every two years--during the Spring semester of odd-numbered years (so it may be a Term 6 course)</li> </ul>
★ JMC OR MCO Upper Division Elective	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
GIS 205: Geographic Information Science I (CS)	3	C	
JMC 402: Mass Communication Law	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

- Advanced Skills course should be selected in consultation with academic advisor.

The Science and Society list is found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>.

Hide Course List(s)/Track Group(s)

Philosophy	U.S. History	Advanced Skills Courses
HON 171: The Human Event (L or HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	JMC 325: Breaking News Multimedia Reporting
PHI 103: Principles of Sound Reasoning (L or HU)	HST 334: African American History Since 1865 ((HU or SB) & C & H)	JMC 351: Photojournalism I
PHI 105: Intro to Ethics (HU)	HST 337: American Indian History to 1900 ((HU or SB) & C & H)	JMC 414: Digital Graphic Design
PHI 306: Applied Ethics (HU)		JMC 421: Advanced Digital Storytelling
		JMC 430: Sports Marketing and Campaigns

HST 338: American Indian History since 1900  
(HU or SB) & C & H

JMC 434: Advanced Bilingual Reporting

JMC 437: Documentary Production

JMC 451: Photojournalism II

JMC 452: Visual Storytelling

JMC 453: Reporting on Business and the  
Economy

JMC 455: Digital Media Entrepreneurship

JMC 457: Advanced Radio Reporting

JMC 460: Advanced Online Media

JMC 465: Telling Stories with Data

JMC 470: Depth Reporting

JMC 477: New Media Innovation and  
Entrepreneurship Lab

JMC 478: Cronkite News: Los Angeles

JMC 478: Cronkite News: Phoenix Bureau

JMC 479: Cronkite News: Washington Bureau

JMC 480: Cronkite News: Phoenix Sports  
Bureau

JMC 481: Cronkite News: Los Angeles Sports  
Bureau

JMC 485: Television Magazine

JMC 486: Digital Audiences Lab

**Total Hours:** 139

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map





### Journalism and Mass Communication, BA



School/College: Walter Cronkite School of Journalism & Mass Comm

Location: .  
CSJMCBA

and  
Transborder  
Chicana/o  
and  
Latina/o  
Studies (US  
and  
Mexican  
Regional  
Immigration  
Policy and  
Economy),  
BA

The College of Liberal Arts and Sciences  
LATCLUBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest area</b> and play me3@ASU</li> <li>• Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

JMC 305: Multimedia Journalism	3	C
STP 226: Elements of Statistics (CS)	3	
Second Language: Requirement satisfied through the following:		
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16

Term 3 32 - 48 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ JMC 366: Journalism Ethics and Diversity	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
❖ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
U.S. and Mexican Regional Immigration Policy and Economy Track Course	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
❖ Complete First-Year Composition requirement.			
❖ Complete Mathematics (MA) requirement.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 4 48 - 65 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C	<ul style="list-style-type: none"> <li>• Complete Spanish language proficiency by end of semester 4 - for the college requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) general studies requirement.</li> <li>• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.</li> </ul>
❖ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following:			
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..	4	C	
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 5 65 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism	3	C	
★ TCL 303: Transborder Theory (SB)	3	C	
JMC 435: Latino and Transnational Issues	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		



★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 402: Mass Communication Law	3	C	• Explore an <b>internship</b>
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
★ TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)	3	C	
JMC 470: Depth Reporting	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SPA Upper Division Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		18	

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses. • Gather <b>professional references</b>
JMC 484: Internship	3	Y	
Upper Division JMC Advanced Skills Course	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
U.S. and Mexican Regional Immigration Policy and Economy Track Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Professional programs require placement. Please consult your academic advisor. • Apply for <b>full-time career opportunities</b>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Professional Program Course	3	C	
Complete 2 courses: U.S. and Mexican Regional Immigration Policy and Economy Track Course	6	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

- Students must complete 15 credit hours from the U.S. and Mexican Regional Immigration Policy and Economy Track.

Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Hide Course List(s)/Track Group(s)

Philosophy Course	U.S. and Mexican Regional Immigration Policy and Economy Track	JMC Advanced Skills Course
HON 171: The Human Event (L or HU)		JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)	TCL 315: Chicana/o and Latina/o Family Structures (SB)	JMC 325: Breaking News Multimedia Reporting
PHI 103: Principles of Sound Reasoning (L or HU)	TCL 327: Health and Migration (SB)	JMC 330: Television Reporting
PHI 105: Intro to Ethics (HU)	TCL 331: Mexican American History to 1900 (SB & H & C)	JMC 333: Advanced Bilingual Broadcast Reporting
PHI 306: Applied Ethics (HU)	TCL 335: Historical Studies in Race, Crime, and the Law	JMC 351: Photojournalism I
	TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)	JMC 413: Advanced Editing
	TCL 341: Policy Issues in Chicana/o and Latina/o Urban Settings (C)	JMC 414: Digital Graphic Design
	TCL 342: Social Demographics of Latino Populations (SB & C)	JMC 421: Advanced Digital Storytelling
	TCL 377: Arizona, Immigration, Latinos and Politics	JMC 430: Sports Marketing and Campaigns
	TCL 443: Political Ecology of the Border (SB & G)	JMC 434: Advanced Bilingual Reporting
	TCL 444: The Ethnography of Mexico and the Borderlands (SB & G)	JMC 437: Documentary Production
	TCL 484: Internship	JMC 440: Magazine Writing
		JMC 455: Digital Media Entrepreneurship
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 478: Cronkite News: Los Angeles
		JMC 479: Cronkite News: Washington Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab
Professional Program Courses		
JMC 477: New Media Innovation and Entrepreneurship Lab		
JMC 478: Cronkite News - Phoenix Bureau		
JMC 478: Cronkite News: Los Angeles		
JMC 479: Cronkite News: Washington Bureau		
JMC 485: Television Magazine		
JMC 486: Digital Audiences Lab		

**Total Hours:** 129  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Mass Communication and Media Studies, BA



School/College: [Walter Cronkite School of Journalism & Mass Comm](#)

Location: [Online](#)

CSMCMSTBA



#### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MCO 120: Media and Society (SB)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>ASU 101 or College specific equivalent First Year Seminar required of all freshman students</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>Create a first draft <a href="#">resume</a></li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours	Hours	Minimum Grade	Notes
MCO Elective	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		

		Minimum	
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Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
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Natural Science - Quantitative (SQ)	4		
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Elective	3		
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⚠ Complete Mathematics (MA) requirement.			
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Term hours subtotal:	7		
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Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
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⚠ Literacy and Critical Inquiry (L)	3		
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Elective	3		
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Term hours subtotal:	6		
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Term 4 - B 44 - 51 Credit Hours	Hours	Minimum Grade	Notes
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Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
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Elective	3		
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Term hours subtotal:	7		
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Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ Upper Division Mass Communication Elective	3	C	
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Upper Division Elective	3		
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Term hours subtotal:	6		
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- Develop your professional online presence

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ Upper Division Mass Communication Elective	3	C	
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Global Awareness (G)	3		
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Term hours subtotal:	6		
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Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ Upper Division Mass Communication Elective	3	C	
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Social-Behavioral Sciences (SB)	3		
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Term hours subtotal:	6		
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- Use Handshake to research employment opportunities

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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Upper Division Literacy and Critical Inquiry (L)	3		
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Elective	3		
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⭐ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).			
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Term hours subtotal:	6		
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Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ Upper Division Mass Communication Elective	3	C	
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Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
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Term hours subtotal:	6		
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- Complete an in person or virtual practice interview

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
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Social-Behavioral Sciences (SB)	3		
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Elective	3		
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Term hours subtotal:	6		
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Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3		
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Elective	3		
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Term hours subtotal:	6		
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Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Mass Communication Elective	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> </ul>
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Elective	3		
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Term hours subtotal:	6		
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Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3		
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Elective	3		
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Term hours subtotal:	6		
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Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Mass Communication Elective	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
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Upper Division Elective	3		
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Term hours subtotal:	6		
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Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Mass Communication Elective	3	C	
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Upper Division Elective	3		
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Term hours subtotal:	6		
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Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Mass Communication Elective	3	C	
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Term hours subtotal:	3		
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Hide Course List(s)/Track Group(s)

Mass Communication Elective

MCO 240: Media Issues in American Pop Culture

MCO 302: Media Research Methods

MCO 307: The Digital Audience

MCO 366: Media Ethics and Diversity

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MCO 403: Media Law

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MCO 418: History of Mass Communication  
(SB & H)

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MCO 425: Digital Media Literacy I

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MCO 426: Digital Media Literacy II

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MCO 430: International Mass Communication  
(G)

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MCO 435: Social Media

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MCO 436: Audience Research and Behavior

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MCO 437: Audience Acquisition and  
Engagement

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MCO 438: Digital Audience Analysis

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MCO 439: Digital Audience Growth

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MCO 450: Visual Communication (HU)

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MCO 456: Political Communication (SB)

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MCO 460: Race, Gender, and Media (C)

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MCO 465: Sports and Media

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MCO 470: Exploring the Business of  
Journalism

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MCO 473: Sex, Love, and Romance in the  
Mass Media (SB)

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MCO 494: Special Topics

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### Sports Journalism, BA



School/College: Walter Cronkite School of Journalism & Mass Comm

Location: Downtown Phoenix campus

CSSPJBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, IELTS, Accuplacer, or TOEFL score determined placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman and transfer students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students should take a placement exam.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu">me3@ASU</a></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 306: Sports Multimedia Journalism	3	C	
Statistics Course AND Computer/Statistics/Quantitative Applications (CS)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 302: Sports Reporting	3	C	<ul style="list-style-type: none"> <li>• Courses you are taking now will impact your eligibility for certain Professional Programs. Please consult with your academic adviser to make sure you are on the right track to achieve your goal</li> <li>• Create a first draft <b>resume</b></li> </ul>
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	16		



❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

❗ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 17

Term 4 49 - 65 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
JMC 346: Sports Videography OR JMC 352: Sports Photojournalism OR JMC 448: Non-Narrative Video Storytelling	3	C	<ul style="list-style-type: none"><li>• Students interested in JMC 481 Cronkite News - Los Angeles Sports Bureau should enroll in JMC 346.</li><li>• Related Area courses must be approved by an academic adviser.</li><li>• Explore careers and internship opportunities through <a href="#">Cronkite Career Services</a></li></ul>
JMC 367: Ethics and Diversity in Sports Journalism	3	C	
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. AND Global Awareness (G)	4	C	
❗ Complete JMC 306 AND JMC 367 course(s).			
❗ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 65 - 80 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Sports Advanced Skills Course	3	C	<ul style="list-style-type: none"><li>• Sports Advanced Skills course should be selected in consultation with academic adviser.</li><li>• Students interested in JMC 481 Cronkite News - Los Angeles Sports Bureau should enroll in JMC 331 from the Sports Advanced Skills courses list.</li><li>• Related Area courses must be approved by an academic adviser.</li><li>• Complete an in person or virtual <a href="#">practice interview</a>.</li></ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Philosophy Course AND Humanities, Arts and Design (HU)	3		
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 80 - 96 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Advanced Skills Course	3	C	<ul style="list-style-type: none"><li>• Advanced Skills course should be selected in consultation with academic adviser.</li><li>• Related Area courses must be approved by an academic adviser.</li><li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li></ul>
JMC 474: Advanced Issues in 21st-Century Sports and Media	3	C	
JMC 484: Internship	3	Y	
Upper Division Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).			
Term hours subtotal:	16		

Term 7 96 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JMC 402: Mass Communication Law	3	C	

JMC OR MCO Upper Division Elective	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Related Area Course	3	C
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		12

- Professional Programs require placement and can be completed in fall or spring. Consult with your academic adviser to review your eligibility for certain programs.
- Students interested in additional Professional Program credit can apply it toward their JMC or MCO Upper Division Elective. Consult with your academic adviser for more information.
- Related Area courses must be approved by an academic adviser.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Professional Program	3	C	• Related Area courses must be approved by an academic adviser
JMC OR MCO Upper Division Elective	3	C	
MCO Upper Division Elective	3	C	
Related Area Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

- Advanced Skills course should be selected in consultation with academic advisor

Hide Course List(s)/Track Group(s)

Statistics (CS)	Philosophy	U.S. History
ECN 221: Business Statistics (CS)	HON 171: The Human Event (L or HU)	HST 109: United States to 1865 ((HU or SB) & H)
JUS 302: Statistical Analysis for Justice Studies (CS)	PHI 101: Introduction to Philosophy (HU)	HST 306: Studies in United States History ((HU or SB) & H)
PSY 230: Introduction to Statistics (CS)	PHI 103: Principles of Sound Reasoning (L or HU)	HST 314: American Cultural History Since 1865 ((HU or SB) & H)
SOC 390: Social Statistics I (CS)	PHI 105: Intro to Ethics (HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)
STP 226: Elements of Statistics (CS)	PHI 306: Applied Ethics (HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
SWU 321: Statistics for Social Workers (CS)		HST 334: African American History Since 1865 ((HU or SB) & C & H)
		HST 337: American Indian History to 1900 ((HU or SB) & C & H)
		HST 338: American Indian History since 1900 ((HU or SB) & C & H)
Related Area Courses	Sports Advanced Skills Courses	Advanced Skills Courses
ASB Elective	JMC 331: Television Sports Reporting	JMC 320: Newscast Producing
ASM Elective	JMC 430: Sports Marketing and Campaigns	JMC 331: Television Sports Reporting

ACC Elective
COM Elective
ECN Elective
ENG Elective
FAS Elective
FIN Elective
GCU Elective
GPH Elective
HST Elective
JUS Elective
LES Elective
MGT Elective
MKT Elective
REA Elective
REL Elective
POS Elective
SOC Elective
THE Elective
THP Elective
WST Elective

JMC 333: Advanced Bilingual Broadcast Reporting
JMC 413: Advanced Editing
JMC 414: Digital Graphic Design
JMC 421: Advanced Digital Storytelling
JMC 430: Sports Marketing and Campaigns
JMC 434: Advanced Bilingual Reporting
JMC 437: Documentary Production
JMC 440: Magazine Writing
JMC 451: Photojournalism II
JMC 452: Visual Storytelling
JMC 455: Digital Media Entrepreneurship
JMC 457: Advanced Radio Reporting
JMC 460: Advanced Online Media
JMC 465: Telling Stories with Data
JMC 470: Depth Reporting
JMC 477: New Media Innovation and Entrepreneurship Lab
JMC 478: Cronkite News - Phoenix
JMC 479: Cronkite News: Washington Bureau
JMC 480: Cronkite News: Phoenix Sports Bureau
JMC 481: Cronkite News: Los Angeles Sports Bureau
JMC 482: Sports Knowledge Lab
JMC 485: Television Magazine
JMC 486: Digital Audiences Lab

Professional Program
JMC 480: Cronkite News: Phoenix Sports Bureau
JMC 481: Cronkite News: Los Angeles Sports Bureau
JMC 482: Sports Knowledge Lab

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Actuarial Science, BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)



LAACTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	B	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• It is suggested that students complete both ECN 211 and 212 to satisfy the SB general studies requirement as well as the VEE Requirement sequence for Economics by the Society of Actuaries (SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA).</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	B	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		


Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACT 201: Introduction to Elements and Techniques of Actuarial Science	3	B	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.</li> <li>• It is suggested that students complete both ECN 211 and 212 to satisfy the SB general studies requirement as well as the VEE Requirement sequence for Economics by the Society of Actuaries (SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA).</li> <li>• COM 225 is recommended to satisfy the Literacy and Critical Inquiry ("L") general studies requirement.</li> <li>• Join <b>Gamma Iota Sigma Kappa</b> chapter</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	B	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	B	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss summer <b>internship</b> and Research Opportunities for Undergraduates (REU).</li> </ul>
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Maintain 3.50 GPA in Critical Tracking Courses.			

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 343: Applied Linear Algebra	3	B	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss options for adding a minor, certificate or concurrent major to your degree program.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Students seeking VEE accreditation, select elective from the course list in note below.</li> </ul>
MAT 300: Mathematical Structures (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Maintain 3.50 GPA in Critical Tracking Courses.			

Term hours subtotal: 16

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ACT 410: Mathematics of Finance	4	B	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
 ACT 415: Probability for Risk Management	3	B	
 MAT 371: Advanced Calculus I	3	C	
 STP 420: Introductory Applied Statistics (CS)	3	B	
Elective	3		
Maintain 3.00 GPA in Major Courses.			


Term hours subtotal: 16

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ACT 301: Risk Management and Insurance (SB)	3	B	<ul style="list-style-type: none"> <li>• Meet with a career counselor from ASU Career Services for a review of your <b>resume</b> and interviewing tips for success.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
 ACT 370: R and Excel for Actuaries	3	B	
 STP 427: Mathematical Statistics	3	B	
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 15

Term 7 91 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ACT 430: Mathematics of Financial Derivatives	3	B	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>• Develop your <b>professional online presence</b>.</li> <li>• Students seeking VEE accreditation, select elective from the course list in note below.</li> </ul>
 ACT 435: Statistics for Risk Modeling	3	B	
 ACT 440: Long-Term Actuarial Mathematics I	3	C	
 ACT 450: Actuarial Models and Modeling I	3	C	
 ACT 491: Actuarial Exam Preparation Seminar	1	Y	
Elective OR ACT 484: Internship	3		

Term hours subtotal: 16

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ ACT 420: Ratemaking and Reserving	3	B
★ ACT 441: Long-Term Actuarial Mathematics II	3	C
★ ACT 451: Actuarial Models and Modeling II	3	C
★ ACT 491: Actuarial Exam Preparation Seminar	1	Y
Elective	3	
Maintain 3.00 GPA in Major Courses.		
Term hours subtotal:	13	

- Meet with your academic advisor for final degree check and apply for graduation through your My ASU.
- Students seeking VEE Accreditation, select elective from course list in note below.

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements. The object of the degree is to prepare students to sit for exams to gain certification as an actuary. One of the optional certifications that individuals may pursue is completion of the VEE requirements from the Society of Actuaries or the Casualty Actuarial Society. This certification requires additional experience not covered in the maximum credits allowed for the degree. However, students may decide to include these additional courses in their 12 hours of elective credit. ASU courses that meet VEE requirements include:
  - STP 427 - requirement for Mathematical Statistics (Prerequisite(s): ACT 415 or STP 421 with C or better; STP 281 or 420 with C or better)
  - ECN 211 and ECN 212 - sequence requirement for Economics
  - FIN 300 - requirement for Fundamentals of Finance (Prerequisite(s) with C or better: ACC 231, 232 or 261; ECN 212; ECN 221, ECN 231, IEE 380 or STP 280; MAT 211, 266 or 271; Non-Business min. 2.5 GPA and min. 56 hours; Pre- or corequisite: ACC 241, 242 or 271; Credit for only FIN 300, 302 or 303)

Hide Course List(s)/Track Group(s)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### African and African American Studies - African Diaspora Studies, BA




School/College: [The College of Liberal Arts and Sciences](#)


Location: [Tempe campus](#)

LAAFRBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AFR 200: Introduction to Africana Studies (SB & G & H)	3	C	<ul style="list-style-type: none"> <li>• An ACT, SAT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshmen</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> </ul>
Related Area Courses	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Related Area Courses	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Literacy and Critical Inquiry (L)	3	
Humanities, Arts and Design (HU)	3	
Elective	3	
Term hours subtotal:	16	

- Explore an **internship**- contact the SST Advising office at 480-965-7682 to schedule an appointment with our internship coordinator

Term 5 60 - 75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
AFR 301: Race and Racism in Africa/African Diaspora (SB & G)	3	C	
AFR 302: History of Black Women in America (SB & H) OR AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) OR AFR 345: Peoples and Cultures of the Caribbean (SB & G & H)	3	C	
Upper Division African Diaspora Courses	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
AFR 302: History of Black Women in America (SB & H) OR AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) OR AFR 345: Peoples and Cultures of the Caribbean (SB & G & H)	3	C	• Gather professional references
Upper Division African Diaspora Courses	3	C	
Related Area Courses	3	C	
Complete 2 courses: Elective	6		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division African Diaspora Courses	6	C	• Apply for full-time career opportunities
Upper Division Related Area Courses	3	C	
Upper Division Elective OR AFR 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
AFR 498: Pro-Seminar (L)	3	C	
Upper Division African Diaspora Courses	3	C	
Upper Division Related Area Courses	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses	African Diaspora Courses
AFR 202: Immigration and Ethnic Relations in the U.S. (SB & C)	AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H)
AFR 210: Introduction to African American Studies (C)	AFR 363: African American History to 1865 (SB & H & C)
AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU & G)	AFR 364: African American History Since 1865 ((HU or SB) & C & H)
AFR 330: Survey of African American Politics (SB & H)	AFR 420: Race Ethnicity and Politics in the African Diaspora (SB & G)
AFR 335: Historical Studies in Race, Crime, and the Law	
AFR 350: Inequality and Diversity in Education (L & C)	
AFR 366: African Archaeology: Precolonial Urban Culture (SB & H)	
AFR 370: Family, Ethnic and Cultural Diversity (SB & C)	
AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G)	
AFR 375: Race, Gender and Sport (SB & C)	
AFR 383: Blacks in Science, Medicine and Public Health	
AFR 428: Critical Race Theory	
AFR 466: Peoples and Cultures of Africa (SB & G)	
AFR 470: Women's International Human Rights	
AFR 480: Different Voices Within Contemporary Islamic Discourse	

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### African and African American Studies - African Studies, BA




School/College: [The College of Liberal Arts and Sciences](#)


Location: [Tempe campus](#)

LAAFRBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AFR 200: Introduction to Africana Studies (SB & G & H)	3	C	<ul style="list-style-type: none"> <li>• An ACT, SAT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshmen</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play me3@ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> </ul>
Related Area Courses	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Related Area Courses	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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<b>Related Area Courses</b>	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Literacy and Critical Inquiry (L)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Elective	2	
Term hours subtotal:	16	

- Explore an **internship**- contact the SST Advising office at 480-965-7682 to schedule an appointment with our internship coordinator

<b>Term 5 60 - 75 Credit Hours Necessary course signified by </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
AFR 301: Race and Racism in Africa/African Diaspora (SB & G)	3	C	
AFR 300: Precolonial Africa (SB & G & H) OR AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) OR AFR 340: The Making of Modern Africa (SB & G & H)	3	C	
Upper Division African Studies Courses	3	C	
Humanities, Arts and Design (HU)	3		
Elective OR AFR 484: Internship	3		
Term hours subtotal:	15		

<b>Term 6 75 - 90 Credit Hours Necessary course signified by </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
AFR 300: Precolonial Africa (SB & G & H) OR AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) OR AFR 340: The Making of Modern Africa (SB & G & H)	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b></li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Upper Division African Studies Courses	3	C	
Complete 3 courses: Elective	9		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

<b>Term 7 90 - 105 Credit Hours Necessary course signified by </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Complete 2 courses: Upper Division African Studies Courses	6	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
Upper Division Related Area Courses	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

<b>Term 8 105 - 120 Credit Hours Necessary course signified by </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
AFR 498: Pro-Seminar (L)	3	C	
Upper Division African Studies Courses	3	C	
Upper Division Related Area Courses	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- African Studies and Related Area Courses: To see a complete list of available courses schedule an appointment with an advisor in the School of Social Transformation. The following is a sample of the courses that will qualify for these areas.

Hide Course List(s)/Track Group(s)

Related Area Courses	African Studies Courses
AFR 202: Immigration and Ethnic Relations in the U.S. (SB & C)	AFR 320: Africa: Politics, Environment, and Development
AFR 210: Introduction to African American Studies (C)	AFR 330: Survey of African American Politics (SB & H)
AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU & G)	AFR 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
AFR 300: Precolonial Africa (SB & G & H)	AFR 355: Democracy and Civil Society in Africa
AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H)	AFR 366: African Archaeology: Precolonial Urban Culture (SB & H)
AFR 330: Survey of African American Politics (SB & H)	AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G)
AFR 335: Historical Studies in Race, Crime, and the Law	AFR 466: Peoples and Cultures of Africa (SB & G)
AFR 336: African Art (HU & G)	
AFR 350: Inequality and Diversity in Education (L & C)	
AFR 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)	
AFR 364: African American History Since 1865 ((HU or SB) & C & H)	
AFR 365: Unruly Voices: Black Women and Cultural Narratives (HU & C)	
AFR 370: Family, Ethnic and Cultural Diversity (SB & C)	
AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G)	
AFR 375: Race, Gender and Sport (SB & C)	
AFR 383: Blacks in Science, Medicine and Public Health	
AFR 420: Race Ethnicity and Politics in the African Diaspora (SB & G)	
AFR 428: Critical Race Theory	
AFR 465: Harlem Renaissance: a Cultural History: 1877-1945	

AFR 470: Women's International Human Rights

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AFR 480: Different Voices Within Contemporary Islamic Discourse

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.















## 2019 - 2020 Major Map

### American Indian Studies, BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAAISBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AIS 180: Introduction to American Indian Studies (C)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career</b> interest and play <b>me3@ASU</b></li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AIS 280: American Indian Sovereignty and the Courts (H & C)	3	C	<ul style="list-style-type: none"> <li>• Students are encouraged to consult with their academic advisor regarding the possibility of using elective hours toward completion of a certificate, minor or concurrent major that may complement the B.S. in American Indian Studies.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AIS Emphasis Area Course	3	C	<ul style="list-style-type: none"> <li>• Students are encouraged to take AIS 294: Readings and Writings in American Indian Studies as a prerequisite to success in upper division courses in the major.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AIS 285: Federal Indian Policy (H & C)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> </ul>
 AIS Emphasis Area Course	3	C	
CLAS Science and Society Elective	3	C	

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Elective	3
Term hours subtotal:	16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AIS 380: Contemporary Issues of American Indian Nations (C)	3	C	<ul style="list-style-type: none"> <li>• AIS 380 is offered in Fall semesters only</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division AIS Emphasis Area	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AIS 370: American Indian Languages and Cultures (C)	3	C	<ul style="list-style-type: none"> <li>• AIS 370 is offered in Spring semesters only</li> <li>• Develop your <b>professional online presence</b></li> </ul>
JUS 302: Statistical Analysis for Justice Studies (CS)	3	C	
Upper Division AIS Emphasis Area	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AIS 420: American Indian Studies Research Methods (L)	3	C	<ul style="list-style-type: none"> <li>• For the UD Emphasis Area Course: AIS 484 <b>Internship</b> is strongly recommended in either term 7 or 8.</li> <li>• Research <b>employment opportunities</b></li> </ul>
Upper Division AIS Emphasis Area	3	C	
Upper Division Elective OR AIS 484: Internship	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AIS 498: Pro-Seminar (L)	3	C	<ul style="list-style-type: none"> <li>• For the UD Emphasis Area Course: AIS 484 Internship is strongly recommended in either term 7 or 8.</li> </ul>
Upper Division AIS Emphasis Area	3	C	
Complete 2 courses:	6		
Upper Division Elective	3		
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements. Students in the B.S. American Indian Studies choose 18 hours in one

of two emphasis areas shown in the track groups below. At least 12 hours must be taken at the upper division level. Other courses in the AIS prefix may be used toward the emphasis area with prior approval of the academic advisor.

Hide Course List(s)/Track Group(s)

Legal Policy, Community and Economic Development Emphasis Area	Arts, Languages and Cultures Emphasis Area
AIS 360: Issues in Urban Indian Country (C)	AIS 320: American Indian Philosophies and World Views (HU & C)
AIS 455: Human Rights and Cultural Resource Laws	AIS 360: Issues in Urban Indian Country (C)
AIS 470: Tribal Governance	AIS 440: Cultural Professionalism (C)
AIS 480: Actualizing Decolonization (HU & C & G)	AIS 480: Actualizing Decolonization (HU & C & G)
AIS 484: Internship	AIS 484: Internship
AIS 499: Individualized Instruction	ENG 359: Indigenous American Literature ((L or HU) & C)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map

### Anthropology, BA

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAASBBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	3-4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Students must take ASB 102 and ASM 104. They will choose either ASB 222 or ASB 223.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14-15		
<b>Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	3-4	C	<ul style="list-style-type: none"> <li>• <b>Network</b> in your career interest area.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16-17		
<b>Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	4-3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Develop your <b>skills</b>.</li> </ul>

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Elective	3	
❗ Complete First-Year Composition requirement.		
❗ Complete Mathematics (MA) requirement.		
Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	14-13	

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR ASM 465: Quantification and Analysis for Anthropologists (CS)	3		• Explore an <b>internship</b> .
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Sociocultural Course	3	C	• Field school opportunities (archaeological and physical) can count toward major degree requirements. Talk with your advisor about available opportunities. • Develop your <b>professional online presence</b> .
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Anthropology Practicum	3	C	• Research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Physical/Evolutionary Anthropology Course	3	C	• Gather <b>professional references</b> . • Apply for <b>full-time career opportunities</b> .
ASB OR ASM Upper Division Elective	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASB OR ASM Upper Division Elective	3	C	
Upper Division Archaeology Course	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Anthropology Practicum	Archaeology Courses	Physical/Evolutionary Anthropology Courses
ASB 302: Ethnographic Field Study ((L or SB) & G)	ASB 301: Global History of Health (SB & G & H)	ASB 301: Global History of Health (SB & G & H)
ASB 389: Ethnographic Field Lab	ASB 326: Human Impacts on Ancient Environments (SB & H)	ASM 301: Peopling of the World (SB)
ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G)	ASB 330: Understanding Archaeology (SB)	ASM 313: Great Adaptations
ASB 452: Community Partnerships for Global Health (SB)	ASB 333: Frauds, Myths and Mysteries ((HU or SB) & G)	ASM 332: Life and Death in Ancient Egypt
ASB 455: Practicum for Social Sciences (SB)	ASB 335: Ancient Ruins of the Southwest (SB & H & C)	ASM 338: Bioarchaeology and the Human Skeleton
ASB 484: Internship	ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H)	ASM 341: Human Osteology
ASB 499: Individualized Instruction	ASB 362: People and Plants	ASM 342: Evolution of Human Behavior or BIO 327: Evolution of Human Behavior
ASM 338: Anthropological Field Session	ASB 366: African Archaeology: Precolonial Urban Culture (SB & H)	ASM 344: Fossil Hominids
ASM 338: Bioarchaeology and the Human Skeleton	ASB 368: Prehistoric and Historic Hunter-Gatherers (SB)	ASM 345: Disease and Human Evolution
ASM 338: Field Archaeology & Geophysical Testing	ASB 490: Earliest Cities (SB & H)	ASM 401: Health and Human Biology
ASM 341: Human Osteology	ASM 338: Bioarchaeology and the Human Skeleton	ASM 443: Primatology
ASM 344: Fossil Hominids	ASM 338: Field Archaeology & Geophysical Testing	ASM 446: Principles of Human Genetics (L)
ASM 365: Doing Archaeology	ASM 350: Geoarchaeology	ASM 450: Bioarchaeology (SB & G)
ASM 414: Urban and Environmental Health (SB)	ASM 365: Doing Archaeology	ASM 452: Dental Anthropology (SG)
ASM 443: Primatology	ASM 450: Bioarchaeology (SB & G)	ASM 456: Infectious Disease and Human Evolution
ASM 452: Dental Anthropology (SG)		ASM 459: Forensic Anthropology
		ASM 460: Human Growth and Development: An Evolutionary Perspective
<b>Sociocultural Courses</b>		
ASB 300: Food and Culture ((L or SB) & C)		
ASB 302: Ethnographic Field Study ((L or SB) & G)		
ASB 305: Poverty and Global Health ((L or SB) & G)		

ASB 310: Precolonial Africa (SB & G & H)

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ASB 316: Money and Culture (L or SB)

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ASB 319: The North American Indian

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ASB 322: Peoples of Latin America ((L or SB) & G)

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ASB 325: Peoples of Southeast Asia (G)

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ASB 327: Disaster! ((L or SB) & C)

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ASB 336: African Art (HU & G)

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ASB 339: Grassroots Social Movements (SB)

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ASB 340: Migration and Culture (SB & G)

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ASB 342: Mexico-U.S. Borderlands (SB & C)

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ASB 344: Technology and Society (L or SB)

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ASB 346: Marriage and Family Diversity (SB & C)

---

ASB 350: Anthropology and Art (HU)

---

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)

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ASB 355: Traditional Medicine and Healing (HU or SB)

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ASB 356: Central American Studies (SB & G)

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ASB 357: Society, Drugs and Health (SB & G)

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ASB 358: The Yoruba and the Atlantic World

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ASB 370: Ethics of Eating (L or SB)

---

ASB 374: Cultures and Politics of the Internet (SB)

---

ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G)

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ASB 376: Global Health Policy

---

ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)

---

ASB 380: Language, Culture and Gender (SB)

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ASB 389: Ethnographic Field Lab

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ASB 395: Topics in Comparative Culture (SB & G)

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ASB 412: History of Anthropology (L or SB)

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ASB 442: Global Cities (SB & G)

---

ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G)

---

ASB 452: Community Partnerships for Global Health (SB)

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ASB 455: Practicum for Social Sciences (SB)

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ASB 462: Medical Anthropology: Culture and Health (SB & C)

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ASB 463: Political Ecology of the Border (SB & G)

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ASB 464: The Ethnography of Mexico and the Borderlands (SB & G)

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ASB 466: Peoples and Cultures of Africa (SB & G)

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ASM 414: Urban and Environmental Health (SB)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map

### Anthropology, BA


School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)


LAASBBA


Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG)	3-4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar is required for all freshman students.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7-8		


Term 1 - B 7 - 12 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Elective	2		
Term hours subtotal:	5		



Term 2 - A 12 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG)	3-4	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only those students with no experience with the language may take the 101-level course. All other students are required to take a language placement exam, regardless of prior credit earned.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7-8		



Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• <b>Network</b> in your career interest area.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 26 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
			<ul style="list-style-type: none"> <li>• Students must take both ASB 102 and ASM 104. They will choose either ASB 222 or ASB 223.</li> </ul>

 ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:		8	

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Term hours subtotal:		7	

 Complete First-Year Composition requirement.  
 Complete Mathematics (MA) requirement.

Term 4 - A 41 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS)	3		<ul style="list-style-type: none"> <li>Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Elective	3		
Term hours subtotal:		6	

Term 4 - B 47 - 54 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:		7	

Term 5 - A 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
Elective	3		
Term hours subtotal:		6	

Term 5 - B 60 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Sociocultural Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:		6	

Term 6 - A 66 - 72 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> </ul>
Elective	3		
Term hours subtotal:		6	

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Anthropology Practicum	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 78 - 84 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		• Research employment opportunities.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Physical/Evolutionary Anthropology Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ASB OR ASM Upper Division Elective	3	C	• Complete an in person or virtual <b>practice interview</b> .
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Archaeology Course	3	C	• Gather <b>professional references</b> .
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ASB OR ASM Upper Division Elective	3	C	• Apply for <b>full-time career opportunities</b> .
Upper Division Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

Physical/Evolutionary Anthropology Courses	Anthropology Practicum	Archaeology Courses
ASB 301: Global History of Health (SB & G & H)	ASB 455: Practicum for Social Sciences (SB)	ASB 301: Global History of Health (SB & G & H)
ASM 301: Peopling of the World (SB)	ASB 484: Internship	ASB 330: Understanding Archaeology (SB)
ASM 345: Disease and Human Evolution	ASB 499: Individualized Instruction or ASM 414: Urban and Environmental Health (SB)	ASB 333: Frauds, Myths and Mysteries ((HU or SB) & G)
ASM 443: Primatology	SOS 414: Urban and Environmental Health (SB)	ASB 335: Ancient Ruins of the Southwest (SB & H & C)
ASM 450: Bioarchaeology (SB & G)		ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H)
		ASB 362: People and Plants
		ASM 450: Bioarchaeology (SB & G)
Sociocultural Courses		
ASB 300: Food and Culture ((L or SB) & C)		
ASB 305: Poverty and Global Health ((L or SB) & G)		
ASB 316: Money and Culture (L or SB)		
ASB 322: Peoples of Latin America ((L or SB) & G)		
ASB 327: Disaster! ((L or SB) & C)		
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)		
ASB 357: Society, Drugs and Health (SB & G)		
ASB 370: Ethics of Eating (L or SB) or SOS 370: Ethics of Eating (L or SB)		
ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)		
ASB 380: Language, Culture and Gender (SB)		
ASB 455: Practicum for Social Sciences (SB)		
ASB 462: Medical Anthropology: Culture and Health (SB & C)		
ASM 414: Urban and Environmental Health (SB) or SOS 414: Urban and Environmental Health (SB)		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Anthropology, BS



School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAASBBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	3-4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. Students who do not test into the MAT 251 course must take the math they do place into in the first term. Do not take MAT 142 as it is not a prerequisite to MAT 251.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Students must take ASB 102 and ASM 104. They will choose between ASB 222 and ASB 223.</li> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU)	3		
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	13-14		

Term 2 13 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	4-3	C	<ul style="list-style-type: none"> <li>• <b>Network</b> in your career interest area.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	17-16		

Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	3-4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Develop your <b>skills</b>.</li> </ul>
ASB OR ASM Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		

Complete 2 courses: 6  
 Elective

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

Maintain 2.00 GPA in Critical Tracking Courses.

Term hours subtotal: 15-16

Term 4 45 - 60 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ CLAS Science and Society Elective	3	C	• Explore an <b>internship</b> .
ASB OR ASM Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM 300: Anthropological Sciences Seminar	3	C	• Field school opportunities (archaeological or physical) can count toward major degree requirements. Talk to your advisor for available opportunities. • Develop your <b>professional online presence</b> .
★ ASM Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Complete 2 courses:	6		
Elective			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM 465: Quantification and Analysis for Anthropologists (CS) OR BIO 415: Biometry (CS) OR SOC 390: Social Statistics I (CS)	3-4	C	• Research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
ASB OR ASM Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective			
Complete Global Awareness (G) AND Cultural Diversity in the U.S. (C) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM Upper Division Elective	3	C	• Gather <b>professional references</b> . • Apply for <b>full-time career opportunities</b> .
ASB OR ASM Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR ASB 484: Internship	3		
Upper Division Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Complete 2 courses:

★ ASM Upper Division Elective	6	C
<hr/>		
Complete 2 courses:	6	
Upper Division Elective		
Elective	3	
<hr/>		
Term hours subtotal:	15	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Applied Mathematics for Life and Social Sciences, BS




School/College: The College of Liberal Arts and Sciences



Location: Tempe campus

LAAMLBS


Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course and eligibility for AML 100</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	15		




Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Use the SB course in this term as a prerequisite for upper division work in the Social Science track. Recommended courses are found in track list below.</li> <li>• <b>Network</b> in your career interest area.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	17		



Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Develop your <b>skills</b>.</li> </ul>
CLAS Science and Society Elective	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AML 253: Introduction to Mathematical Tools and Modeling for the Life and Social Sciences	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Use the SB course in this term to complete a prerequisite for upper division work in the Social Science track. Recommended courses are found in the track list below.</li> <li>• Explore an <b>internship</b>.</li> </ul>
MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA)	3	C	
STP 420: Introductory Applied Statistics (CS)	3	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Life Science course	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 Upper Division Social Science course	3	C	
STP 421: Probability	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	<ul style="list-style-type: none"> <li>• Research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 Upper Division Applied Mathematics	3	C	
 Upper Division Life Science course	3	C	
Upper Division Elective OR ASB 484: Internship	3		
Elective	3		
Minimum 2.00 GPA in STP and MAT.			
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Applied Mathematics	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
 Upper Division Social Science course	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AML 406: Directed Reading and Research in Applied Mathematics for the Life and Social Sciences	3	C	

Upper Division Elective	3
Complete 2 courses: Elective	6
Minimum 2.00 GPA in STP and MAT.	
Term hours subtotal:	12

Hide Course List(s)/Track Group(s)

Recommended SB courses	Upper Division Life Science	Upper Division Social Science
ASB 102: Introduction to Cultural Anthropology (SB & G)	ASM 342: Evolution of Human Behavior or BIO 327: Evolution of Human Behavior	ASB 316: Money and Culture (L or SB)
CDE 232: Human Development (SB)	BIO 302: Cancer--Mother of All Diseases (L)	ASM 345: Disease and Human Evolution
JUS 105: Introduction to Justice Studies (SB)	BIO 320: Fundamentals of Ecology	ASM 465: Quantification and Analysis for Anthropologists (CS)
POS 110: American Government and Politics (SB)	BIO 415: Biometry (CS)	EXW 444: Epidemiology
PSY 101: Introduction to Psychology (SB)	BIO 417: Experimental Design	GCU 351: Population Geography (SB & G)
SOC 101: Introductory Sociology (SB)	BIO 423: Population and Community Ecology	GIS 461: Optimization Fundamentals for Spatial Analysis or PUP 481: Optimization Fundamentals for Spatial Analysis
	BMI 465: Introduction to Comparative Genomics	JUS 301: Research in Justice Studies (SB)
	EXW 444: Epidemiology	JUS 302: Statistical Analysis for Justice Studies (CS)
	HCD 300: Biostatistics (CS) or PBH 300: Biostatistics (CS)	POS 301: Empirical Political Inquiry (SB) or SGS 305: Empirical Political Inquiry (SB)
	SOS 424: Dynamic Modeling in Social and Ecological Systems	POS 401: Political Statistics (CS) or SGS 401: Political Statistics (CS)
		POS 485: Political Economy (SB)
		SOC 331: Environmental Sociology (SB & G)
		SOC 390: Social Statistics I (CS)
		SOC 391: Research Methods (L or SB)
		SOC 448: Epidemics and Society (SB & G)
<b>Upper Division Applied Mathematics</b>		
AML 441: Mathematical Concepts and Tools in Sustainability or SOS 441: Mathematical Concepts and Tools in Sustainability		
MAT 300: Mathematical Structures (L)		
MAT 343: Applied Linear Algebra		
MAT 355: Introduction to Computational Molecular Biology (CS) or BIO 355: Introduction to Computational Molecular Biology (CS)		
MAT 371: Advanced Calculus I		

MAT 421: Applied Computational Methods  
(CS)

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MAT 451: Mathematical Modeling (CS)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Asia Studies (East Asia), BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAHSTEABA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 111: Introduction to Asia (HU & H & G) OR REL 111: Introduction to Asia (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>• ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).	5	C	
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Except for courses marked "critical" or "necessary," the sequence of required and elective courses will vary with each student according to individual choices and the schedule of classes.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• If interested in law school, review the <a href="#">Pre-Law at ASU</a> website.</li> </ul>
Across Asia Course	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).	5	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Outside East Asia Course	3	C	<ul style="list-style-type: none"> <li>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>• Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>• Explore opportunities to <b>study abroad</b>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).	5	C	
Elective	1		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ East Asia Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> </ul>
Across Asia Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Second Language: Requirement satisfied through the following: * Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).	5	C	
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division East Asia Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> </ul>
Outside East Asia Course	3	C	
Upper Division East Asia Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division East Asia Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Explore <b>graduate school</b> opportunities.</li> <li>• If planning on law school, prepare to take the <b>LSAT</b>.</li> <li>• Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li> </ul>
Upper Division East Asia Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR HST 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division East Asia Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li> </ul>
East Asia Elective	3	C	
Upper Division Outside East Asia Course	3	C	
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HST 496: South, Southeast, and East Asia in the Global Matrix	3	C	<ul style="list-style-type: none"> <li>• HST 496 is the required capstone course for the major and is only offered in spring terms.</li> <li>• Take advantage of mock interview opportunities and assistance with writing <b>resumes and cover letters</b>.</li> <li>• Apply for <b>career opportunities</b>.</li> </ul>
★ Upper Division East Asia Concentration Course	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

Students must choose an East Asia Concentration of either China or Japan. Please refer to the appropriate list below.

For the East Asia Electives requirement, in addition to the courses shown in the East Asia Electives list, students may choose more courses from the concentration list or the area not chosen as concentration (i.e., students completing the Chinese concentration may use courses from the Japanese list and/or additional courses from the Chinese list as East Asia Electives).

#### Hide Course List(s)/Track Group(s)

Across Asia	East Asia Electives	Outside East Asia
ARS 201: Art of Asia (HU & H & G)	HST 303: China, Japan & East Asia in World History (SB & H)	ARS 444: Films of India or FMS 426: Films of India
GCU 326: Geography of Asia (SB & G)	KOR 250: Korean Culture and Society (HU & G)	ASB 325: Peoples of Southeast Asia (G)
HST 106: Asian Civilizations ((HU or SB) & G & H)	KOR 321: Modern Korean Literature (HU) or SLC 321: Modern Korean Literature (HU)	DCE 114: Dances of India I
HST 303: ASIA: Women in Asia (SB & H), Film and Politics in Colonial Asia (SB & H), The British Empire in Asia (SB & H), WWII in Asia: Cultures of War (SB & H)	KOR 347: Korean Film and Literature (HU)	GCU 433: Geography of Southeast Asia
POS 468: Comparative Asian Foreign Policies (SB & G)	KOR 350: Women of Korea (H)	HST 240: Introduction to Southeast Asia ((HU or SB) & G) or GCU 240: Introduction to Southeast Asia ((HU or SB) & G) or POS 240: Introduction to Southeast Asia ((HU or SB) & G) or REL 240: Introduction to Southeast Asia ((HU or SB) & G) or SGS 240: Introduction to Southeast Asia ((HU or SB) & G)
REL 345: Asian Religious Traditions (HU & G)	KOR 375: Intercultural Communication in Korea or SLC 375: Intercultural Communication in Korea	HST 245: Introduction to India and South Asia (HU & H & G) or POS 245: Introduction to India and South Asia (HU & H & G) or REL 245: Introduction to India and South Asia (HU & H & G) or SGS 245: Introduction to India and South Asia (HU & H & G) or SLC 245: Introduction to India and South Asia (HU & H & G)
REL 350: Hinduism ((L or HU) & G)	KOR 415: Korean Popular Culture or SLC 415: Korean Popular Culture	HST 302: Envisioning Peace ((HU or SB) & G & H), Women, War and Peace ((HU or SB) & G & H)
REL 351: Buddhism ((L or HU) & G)	KOR 457: Premodern Korea in a Global Context or SLC 457: Premodern Korea in a Global Context	HST 391: Modern Southeast Asia (SB & G & H) or SGS 381: Modern Southeast Asia (SB & G & H)
	REL 352: Modern Buddhism	HST 392: Modern India
	REL 354: Religions of Korea (HU) or KOR 354: Religions of Korea (HU)	HST 456: The Vietnam War (SB & G & H)
		HST 459: Gandhi and the Politics of Nonviolence
		MUP 489: Gamelan
		POS 357: South Asia Politics (SB & G)
		POS 358: Southeast Asia (SB & G)

REL 347: Peace and Conflict in India ((L or HU) & G)

REL 348: Religion and Culture in Southeast Asia

REL 350: Hinduism ((L or HU) & G)

REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)

REL 364: Islam in Eurasia and Central Asia

REL 365: Islamic Civilization (HU & H)

REL 366: Islam in the Modern World (HU & G)

East Asia Concentration - China	East Asia Concentration - Japan
ARS 472: Art of China (HU)	ARS 473: Art of Japan (HU)
ARS 475: Chinese Painting (HU)	HST 108: Introduction to Japan (SB & G & H)
CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)	HST 303: History of Religions in Japan (SB & H), Technology, Culture & Society in Modern Japan (SB & H), WWII in Asia: Cultures of War (SB & H)
CHI 307: Introduction to Literary Chinese I (HU)	HST 387: Japan ((L or SB) & H)
CHI 308: Classical Chinese II (HU)	HST 388: Japan (SB & G & H)
CHI 321: Chinese Literature (HU)	HST 389: Japan Society and Values/Premod
CHI 322: Chinese Literature (HU & G)	JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)
CHI 345: Chinese Film and Civilization	JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G)
CHI 348: Pathways into Chinese Culture	JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G)
CHI 470: Modern Chinese Literature and Culture	JPN 401: Reading Modern Japanese Texts I ((L or HU) & G)
GCU 432: Geography of China (SB & G)	JPN 414: Introduction to Classical Japanese
HST 303: History of Modern China: From Taiping to Tiananmen (SB & H), Modern China: Personal Narratives and Histories (SB & H), Modern China: Violence (SB & H), The Family in Modern China (SB & H)	JPN 415: Advanced Classical Japanese
HST 383: China (SB & H) or CHI 333: China (SB & H) or SLC 333: China (SB & H)	JPN 485: Literary Translation: Theory and Practice
HST 384: Modern China: 1700 to the Present (SB & G & H) or SLC 334: Modern China: 1700 to the Present (SB & G & H)	REL 344: Religion and Values in Japanese Life (HU & G)
HST 385: History of Chinese Medicine (HU & H & G)	REL 355: Japanese Cities and Cultures to 1800 (HU)
HST 386: Interpreting China's Classics ((L or HU) & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or SLC 336: Interpreting China's Classics ((L or HU) & H)	SLC 421: Japanese Literature in Translation ((L or HU) & G)



HST 451: Chinese Cultural History I ((HU or SB) & H) or CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)

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HST 452: Chinese Cultural History II (SB & G & H) or CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)

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POS 452: China (SB & G)

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REL 338: The Daoist Bible: Daode jing (HU & L) or CHI 338: The Daoist Bible: The Daode jing (HU & L)

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REL 343: Daoism ((L or HU) & G & H) or CHI 343: Daoism ((L or HU) & G & H)

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REL 346: Chinese Religions or CHI 346: Chinese Religions

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Asia Studies (South Asia), BA


School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAHSTSABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 111: Introduction to Asia (HU & H & G) OR REL 111: Introduction to Asia (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>• ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to ensure the course level is appropriate. Students who are already proficient in a second language may take a proficiency exam.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent).	4	C	
Elective	2		
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Except for courses marked "critical" or "necessary," the sequence of required and elective courses will vary with each student according to individual choices and the schedule of classes.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• If interested in law school, review the <b>Pre-Law at ASU</b> website.</li> </ul>
Across Asia course	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent).	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HST 245: Introduction to India and South Asia (HU & H & G) or POS 245: Introduction to India and South Asia (HU & H & G) or REL 245: Introduction to India and South Asia (HU & H & G) or SGS 245: Introduction to India and South Asia (HU & H & G) or SLC 245: Introduction to India and South Asia (HU & H & G) OR South Asia Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>• Explore opportunities to <b>study abroad</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent).	4	C	

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ Outside South Asia course	3	C	<ul style="list-style-type: none"><li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li><li>• If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li></ul>
Across Asia course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent).	4	C	
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division South Asia Concentration course	3	C	<ul style="list-style-type: none"><li>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li><li>• Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li></ul>
Upper Division South Asia Elective course	3	C	
Outside South Asia course	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective OR HST 484: Internship	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division South Asia Concentration course	3	C	<ul style="list-style-type: none"><li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li><li>• Explore <b>graduate school</b> opportunities.</li><li>• If planning on law school, prepare to take the <b>LSAT</b>.</li></ul>
Upper Division South Asia Elective course	3	C	
South Asia Elective course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division South Asia Concentration course	3	C	<ul style="list-style-type: none"><li>• Use Handshake to research <b>employment opportunities</b>.</li><li>• Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li></ul>
Upper Division Outside South Asia course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HST 496: South, Southeast, and East Asia in the Global Matrix	3	C	<ul style="list-style-type: none"><li>• HST 496 is the required capstone course for the major and is only offered in spring terms.</li></ul>
★ Upper Division South Asia Concentration course	3	C	
Complete 3 courses:			

- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
- Apply for career opportunities.

- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

For the South Asia Electives requirement, in addition to the courses shown in the South Asia Electives list, students may take any courses in the South Asia Concentration list that were not used to fulfill the concentration.

## Hide Course List(s)/Track Group(s)

Across Asia Courses	South Asia Concentration	South Asia Electives
ARS 201: Art of Asia (HU & H & G)	ARS 444: Films of India or FMS 426: Films of India	DCE 114: Dances of India I
GCU 326: Geography of Asia (SB & G)	HST 245: Introduction to South Asia (HU & H & G) or POS 245: Introduction to South Asia (HU & H & G) or REL 245: Introduction to South Asia (HU & H & G) or SGS 245: Introduction to South Asia (HU & H & G) or SLC 245: Introduction to South Asia (HU & H & G)	HST 302: Envisioning Peace ((HU or SB) & G & H)
HST 106: Asian Civilizations ((HU or SB) & G & H)	HST 392: Modern India	HST 302: Women, War and Peace ((HU or SB) & G & H)
HST 303: ASIA: Women in Asia (SB & H), Film and Politics in Colonial Asia (SB & H), The British Empire in Asia (SB & H), WWII in Asia: Cultures of War (SB & H)	HST 459: Gandhi and the Politics of Nonviolence	POS 468: Comparative Asian Foreign Policies (SB & G)
POS 468: Comparative Asian Foreign Policies (SB & G)	POS 357: South Asia Politics (SB & G)	REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)
REL 345: Asian Religious Traditions (HU & G)	REL 347: Peace and Conflict in India ((L or HU) & G)	REL 365: Islamic Civilization (HU & H)
REL 351: Buddhism ((L or HU) & G)	REL 350: Hinduism ((L or HU) & G)	REL 366: Islam in the Modern World (HU & G)
<b>Outside South Asia</b>		
ARS 472: Art of China (HU)		
ARS 473: Art of Japan (HU)		
ARS 475: Chinese Painting (HU)		
ASB 325: Peoples of Southeast Asia (G)		
CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)		
CHI 205: Chinese Calligraphy		
CHI 321: Chinese Literature (HU)		
CHI 322: Chinese Literature (HU & G)		
CHI 345: Chinese Film and Civilization		
GCU 432: Geography of China (SB & G)		

GCU 433: Geography of Southeast Asia

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HST 108: Introduction to Japan (SB & G & H)

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HST 240: Introduction to Southeast Asia ((HU or SB) & G) or GCU 240: Introduction to Southeast Asia ((HU or SB) & G) or POS 240: Introduction to Southeast Asia ((HU or SB) & G) or REL 240: Introduction to Southeast Asia ((HU or SB) & G) or SGS 240: Introduction to Southeast Asia ((HU or SB) & G)

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HST 303: China, Japan & East Asia in World History (SB & H), History of Modern China: From Taiping to Tiananmen (SB & H), History of Religions in Japan (SB & H), Modern China: Personal Narratives and Histories (SB & H), Modern China: Violence (SB & H), Technology, Culture & Society in Modern Japan (SB & H), The Family in Modern China (SB & H)

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HST 383: China (SB & H) or CHI 333: China (SB & H) or SLC 333: China (SB & H)

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HST 384: Modern China: 1700 to the Present (SB & G & H) or SLC 334: Modern China: 1700 to the Present (SB & G & H)

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HST 385: History of Chinese Medicine (HU & H & G)

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HST 386: Interpreting China's Classics ((L or HU) & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or SLC 336: Interpreting China's Classics ((L or HU) & H)

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HST 387: Japan ((L or SB) & H)

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HST 388: Japan (SB & G & H)

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HST 389: Japan Society and Values/Pre-mod

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HST 391: Modern Southeast Asia (SB & G & H) or SGS 381: Modern Southeast Asia (SB & G & H)

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HST 451: Chinese Cultural History I ((HU or SB) & H) or CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)

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HST 452: Chinese Cultural History II (SB & G & H) or CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)

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HST 456: The Vietnam War (SB & G & H)

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JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)

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KOR 250: Korean Culture and Society (HU & G)

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KOR 321: Modern Korean Literature (HU) or  
SLC 321: Modern Korean Literature (HU)

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KOR 347: Korean Film and Literature (HU)

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KOR 350: Women of Korea (H)

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KOR 375: Intercultural Communication in  
Korea or SLC 375: Intercultural  
Communication in Korea

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KOR 415: Korean Popular Culture or SLC  
415: Korean Popular Culture

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KOR 457: Premodern Korea in a Global  
Context or SLC 457: Premodern Korea in a  
Global Context

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MUP 489: Gamelan

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POS 358: Southeast Asia (SB & G)

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POS 452: China (SB & G)

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REL 338: The Daoist Bible: Daode jing (HU  
& L) or CHI 338: The Daoist Bible: The  
Daode jing (HU & L)

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REL 343: Daoism ((L or HU) & G & H) or  
CHI 343: Daoism ((L or HU) & G & H)

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REL 344: Religion and Values in Japanese  
Life (HU & G)

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REL 346: Chinese Religions or CHI 346:  
Chinese Religions

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REL 348: Religion and Culture in Southeast  
Asia

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REL 352: Modern Buddhism

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REL 354: Religions of Korea (HU) or KOR  
354: Religions of Korea (HU)

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REL 355: Japanese Cities and Cultures to 1800  
(HU)

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REL 364: Islam in Eurasia and Central Asia

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SLC 421: Japanese Literature in Translation  
((L or HU) & G)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Asia Studies (Southeast Asia), BA


School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAHSTSEABA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 111: Introduction to Asia (HU & H & G) or REL 111: Introduction to Asia (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>• ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to ensure the course level is appropriate. Students who are already proficient in a second language may take a proficiency exam.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).	5	C	
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Except for courses marked "critical" or "necessary," the sequence of required and elective courses will vary with each student according to individual choices and the schedule of classes.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• If interested in law school, review the <b>Pre-Law at ASU</b> website.</li> </ul>
Across Asia Course	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).	5	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 240: Introduction to Southeast Asia ((HU or SB) & G) or HST 240: Introduction to Southeast Asia ((HU or SB) & G) or POS 240: Introduction to Southeast Asia ((HU or SB) & G) or REL 240: Introduction to Southeast Asia ((HU or SB) & G) or SGS 240: Introduction to Southeast Asia ((HU or SB) & G)	3	C	<ul style="list-style-type: none"> <li>• Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>• Explore opportunities to <b>study abroad</b>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		



Second Language: Requirement satisfied through the following: 5 C  
 \* Completion of Southeast Asian language course(s) (Thai, Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).

Elective 1

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ Outside Southeast Asia course	3	C	<ul style="list-style-type: none"> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> </ul>
Across Asia Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).	5	C	
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Southeast Asia concentration	3	C	<ul style="list-style-type: none"> <li>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> </ul>
Upper Division Southeast Asia Elective	3	C	
Outside Southeast Asia course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Southeast Asia concentration	3	C	<ul style="list-style-type: none"> <li>• Explore <b>graduate school</b> opportunities.</li> <li>• If planning to attend law school, prepare to take the <b>LSAT</b>.</li> <li>• Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li> </ul>
Southeast Asia Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR HST 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Southeast Asia concentration	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li> </ul>
Upper Division Outside Southeast Asia Course	3	C	
Upper Division Southeast Asia Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 496: South, Southeast, and East Asia in the Global Matrix	3	C	<ul style="list-style-type: none"> <li>HST 496 is the required capstone course for the major and is only offered in spring terms.</li> <li>Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> <li>Apply for career opportunities.</li> </ul>
★ Upper Division Southeast Asia concentration	3	C	
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	15		

- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

For the Southeast Asia Electives requirement, in addition to the courses shown in the Southeast Asia Electives list, students may take any courses in the Southeast Asia Concentration list that were not used to fulfill the concentration.

Hide Course List(s)/Track Group(s)

Across Asia	Southeast Asia Concentration	Southeast Asia Electives
ARS 201: Art of Asia (HU & H & G)	ASB 325: Peoples of Southeast Asia (G)	HST 303: Film and Politics in Colonial Asia (SB & H)
GCU 326: Geography of Asia (SB & G)	GCU 433: Geography of Southeast Asia	HST 456: The Vietnam War (SB & G & H)
HST 106: Asian Civilizations ((HU or SB) & G & H)	HST 391: Modern Southeast Asia (SB & G & H) or SGS 381: Modern Southeast Asia (SB & G & H)	MUP 489: Gamelan
HST 303: ASIA: Women in Asia (SB & H)	POS 358: Southeast Asia (SB & G)	POS 468: Comparative Asian Foreign Policies (SB & G)
HST 303: Film and Politics in Colonial Asia (SB & H)	REL 348: Religion and Culture in Southeast Asia	REL 352: Modern Buddhism
HST 303: The British Empire in Asia (SB & H)		REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)
HST 303: WWII in Asia: Cultures of War (SB & H)		
POS 468: Comparative Asian Foreign Policies (SB & G)		
REL 345: Asian Religious Traditions (HU & G)		
REL 350: Hinduism ((L or HU) & G)		
REL 351: Buddhism ((L or HU) & G)		
Outside Southeast Asia		
ARS 444: Films of India or FMS 426: Films of India		
ARS 472: Art of China (HU)		
ARS 473: Art of Japan (HU)		
ARS 475: Chinese Painting (HU)		

CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)

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CHI 205: Chinese Calligraphy

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CHI 321: Chinese Literature (HU)

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CHI 322: Chinese Literature (HU & G)

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CHI 345: Chinese Film and Civilization

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DCE 114: Dances of India I

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GCU 432: Geography of China (SB & G)

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HST 108: Introduction to Japan (SB & G & H)

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HST 245: Introduction to India and South Asia (HU & H & G) or POS 245: Introduction to India and South Asia (HU & H & G) or REL 245: Introduction to India and South Asia (HU & H & G) or SGS 245: Introduction to India and South Asia (HU & H & G) or SLC 245: Introduction to India and South Asia (HU & H & G)

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HST 302: Envisioning Peace ((HU or SB) & G & H)

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HST 302: Women, War and Peace ((HU or SB) & G & H)

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HST 303: China, Japan & East Asia in World History (SB & H)

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HST 303: History of Modern China: From Taiping to Tiananmen (SB & H)

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HST 303: History of Religions in Japan (SB & H)

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HST 303: Modern China: Personal Narratives and Histories (SB & H)

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HST 303: Modern China: Violence (SB & H)

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HST 303: Technology, Culture & Society in Modern Japan (SB & H)

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HST 303: The Family in Modern China (SB & H)

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HST 383: China (SB & H) or CHI 333: China (SB & H) or SLC 333: China (SB & H)

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HST 384: Modern China: 1700 to the Present (SB & G & H) or SLC 334: Modern China: 1700 to the Present (SB & G & H)

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HST 385: History of Chinese Medicine (HU & H & G)

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HST 386: Interpreting China's Classics ((L or HU) & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or SLC 336: Interpreting China's Classics ((L or HU) & H)

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HST 387: Japan ((L or SB) & H)

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HST 388: Japan (SB & G & H)

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HST 389: Japan Society and Values/Premod

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HST 392: Modern India

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HST 451: Chinese Cultural History I ((HU or SB) & H) or CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)

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HST 452: Chinese Cultural History II (SB & G & H) or CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)

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HST 459: Gandhi and the Politics of Nonviolence

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JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)

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KOR 250: Korean Culture and Society (HU & G)

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KOR 321: Modern Korean Literature (HU) or SLC 321: Modern Korean Literature (HU)

---

KOR 347: Korean Film and Literature (HU)

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KOR 350: Women of Korea (H)

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KOR 375: Intercultural Communication in Korea or SLC 375: Intercultural Communication in Korea

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KOR 457: Premodern Korea in a Global Context or SLC 457: Premodern Korea in a Global Context

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KOR 415: Korean Popular Culture or SLC 415: Korean Popular Culture

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POS 357: South Asia Politics (SB & G)

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POS 452: China (SB & G)

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REL 338: The Daoist Bible: Daode jing (HU & L) or CHI 338: The Daoist Bible: The Daode jing (HU & L)

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REL 343: Daoism ((L or HU) & G & H) or CHI 343: Daoism ((L or HU) & G & H)

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REL 344: Religion and Values in Japanese Life (HU & G)

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REL 346: Chinese Religions or CHI 346: Chinese Religions

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REL 347: Peace and Conflict in India ((L or HU) & G)

REL 350: Hinduism ((L or HU) & G)

REL 354: Religions of Korea (HU) or KOR 354: Religions of Korea (HU)

REL 355: Japanese Cities and Cultures to 1800 (HU)

REL 364: Islam in Eurasia and Central Asia

REL 365: Islamic Civilization (HU & H)

REL 366: Islam in the Modern World (HU & G)

SLC 421: Japanese Literature in Translation ((L or HU) & G)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map



### Asian Languages (Chinese), BA

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus



LACHIBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a language placement test.</li> <li>• Learn about <b>Chinese language intensive</b> courses.</li> <li>• Learn about the <b>Chinese Language Flagship Program</b>.</li> <li>• Engage in <b>Chinese</b> at ASU. Come to the <b>SILC Cafe</b></li> </ul>	
CHI 101: First-Year Chinese I (G)	5-8	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
LIA 101: Student Success in the College of Liberal Arts and Sciences	1			
MAT 142: College Mathematics (MA)	3	C		
Maintain 2.33 GPA in Critical Tracking Courses.				
Term hours subtotal:	15-18			
<hr/>				
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
CHI 102: First-Year Chinese II (G)	5-8	C		<ul style="list-style-type: none"> <li>• Students interested in the Chinese Flagship Program should meet with a <b>Flagship representative</b>.</li> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the <b>best study abroad options</b> for your major.</li> <li>• Attend a <b>Financing Your Study Abroad Program</b> Workshop.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Computer/Statistics/Quantitative Applications (CS)	3			
Elective	4			
Maintain 2.33 GPA in Critical Tracking Courses.				
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	15-18			
<hr/>				
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CHI 120: Introduction to Chinese Culture (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the <b>best study abroad options</b> for your major.</li> <li>• Learn about <b>language-specific scholarship opportunities</b>.</li> <li>• Learn about <b>internships</b> for language and culture majors.</li> </ul>	
CHI 201: Second-Year Chinese I (G)	5-8	C		
Natural Science - Quantitative (SQ)	4			
Elective	3			
 Complete First-Year Composition requirement.				
 Complete Mathematics (MA) requirement.				
Maintain 2.33 GPA in Critical Tracking Courses.				
Term hours subtotal:	15-18			

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 202: Introduction to Literary and Cultural Theory	3	C	<ul style="list-style-type: none"> <li>• A Chinese <b>Flagship representative</b> can provide you information about opportunities available to students in the program.</li> <li>• Explore your <b>career interest</b> area.</li> <li>• Learn about research opportunities through the <b>Humanities Lab</b>.</li> </ul>
CHI 202: Second-Year Chinese II (G)	5-8	C	
Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15-18		

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CHI 301: Third-Year Chinese I (G)	5	C	<ul style="list-style-type: none"> <li>• Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses.</li> <li>• Learn about <b>national scholarships, fellowships and research opportunities</b>.</li> </ul>
 CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU & G)	3	C	
China Related Area	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	14		

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CHI 302: Third-Year Chinese II (G)	5	C	<ul style="list-style-type: none"> <li>• Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses.</li> <li>• Enroll in listed courses or in a School of International Letters and Cultures <b>recommended program abroad</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU & G)	3	C	
China Related Area	3	C	
Upper Division Elective	2		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CHI 307: Introduction to Literary Chinese I (HU)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses.</li> <li>• Attend an <b>ASU Career Services</b> workshop or Job Fair.</li> </ul>
 CHI 380: The Chinese Language	3	C	
Complete 2 courses:			
Upper Division Chinese Language, Literature, and Linguistics	6	C	
Elective Courses			
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CHI 308: Classical Chinese II (HU)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
 4** SLC Required Culture Course Option	3	C	
China Related Area	3	C	
Upper Division Chinese Language, Literature, and Linguistics	3	C	
Elective Courses			
Upper Division Elective OR SLC 484: Internship	3		

Term hours subtotal: 15

- Select 9 hours from the Upper Division Chinese Language, Linguistics, or Literature Courses listed. Students who desire a linguistics emphasis select CHI 482 plus 3 units of language courses. Students who emphasize literature select 9 units of literature courses. All students must take at least 6 of Chinese elective units at the 400 level or above. SLC 400-Level Language courses may not be used to satisfy the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

SLC 400-Level Required Culture Course Option	China Related Area	Upper-division Chinese Language, Literature and Linguistics Elective Courses
SLC 414: French and Italian Popular Culture	ARS 201: Art of Asia (HU & H & G)	CHI 321: Chinese Literature (HU)
SLC 415: Korean Popular Culture	ARS 472: Art of China (HU)	CHI 322: Chinese Literature (HU & G)
SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)	ARS 475: Chinese Painting (HU)	CHI 333: China (SB & H)
SLC 425: What is Globalization? A History of Contact and Conflict (HU & L& G)	CHI 333: China (SB & H)	CHI 336: Interpreting China's Classics ((L or HU) & H)
SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)	CHI 336: Interpreting China's Classics ((L or HU) & H)	CHI 338: The Daoist Bible: The Daode jing (HU & L)
SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)	CHI 338: The Daoist Bible: The Daode jing (HU & L)	CHI 348: Pathways into Chinese Culture
SLC 441: Fairy Tales (HU & G)	CHI 343: Daoism ((L or HU) & G & H)	CHI 401: Fourth-Year Chinese I (G)
SLC 444: Heroes, Ancient and Modern (L or HU)	CHI 451: Chinese Cultural History I ((HU or SB) & H)	CHI 402: Fourth-Year Chinese II (G)
SLC 445: The Holocaust in German-Mediated Memory	CHI 452: Chinese Cultural History II (SB & G & H)	CHI 407: Chinese for Academic and Professional Purposes I (G)
SLC 446: Weimar-Era German Film	HST 384: Modern China: 1700 to the Present (SB & G & H)	CHI 408: Chinese for Academic and Professional Purposes II (G)
SLC 447: German Modernism	REL 345: Asian Religious Traditions (HU & G)	CHI 461: Readings in Traditional Chinese Literature I
SLC 450: Experimental Narrative	REL 351: Buddhism ((L or HU) & G)	CHI 470: Modern Chinese Literature and Culture
SLC 451: Chinese Cultural History I ((HU or SB) & H)		CHI 482: History of the Chinese Language
SLC 452: Chinese Cultural History II (SB & G & H)		
SLC 455: Multi-Kulti: Multiculturalism Through Film (G)		
SLC 457: Premodern Korea in a Global Context		
SLC 459: Latin American Jewish Culture		
SLC 475: Latin American Film ((L or HU) & G)		
SLC 494: Special Topics		



**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map

### Asian Languages (Chinese) - Chinese Flagship, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACHIBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>Mathematics Placement Assessment score determines placement in Mathematics course.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>Learn about <b>Chinese intensive language</b> courses. Students may opt to take CHI 110, (equivalent to CHI 101 and CHI 102) in term one.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level language courses. Students with previous experience in the language are required to take a language placement test.</li> <li>Engage in <b>Chinese</b> at ASU. Practice your language skills at the <b>SILC Cafe</b></li> </ul>
CHI 101: First-Year Chinese I (G)	5-8	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Term hours subtotal:	15-18		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHI 102: First-Year Chinese II (G)	5-8	C	<ul style="list-style-type: none"> <li>Newly accepted Flagship students should schedule a meeting with an <b>academic advisor</b> and a <b>Flagship coordinator</b> to create a semester-by-semester plan of study for all required courses for graduation.</li> <li>Explore your <b>career interest</b> area.</li> <li>Attend a <b>Financing Your Study Abroad Program</b> workshop.</li> <li>Students who have taken CHI 110 may opt to take CHI 210 (equivalent to CHI 201 and CHI 202) in term 2.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15-18		
Summer 2 Session 1 30 - 35 Credit Hours	Hours	Minimum Grade	Notes
CHI 201: Second-Year Chinese I (G)	5-8	C	<ul style="list-style-type: none"> <li>To remain on track for graduation, Flagship students are expected to participate in a Flagship <b>approved language program</b> away from ASU in Summer 2.</li> </ul>
Term hours subtotal:	5-8		
Summer 2 Session 2 35 - 40 Credit Hours	Hours	Minimum Grade	Notes
CHI 202: Second-Year Chinese II (G)	5-8	C	<ul style="list-style-type: none"> <li>To remain on track for graduation, Flagship students are expected to participate in a</li> </ul>
Term hours subtotal:	5-8		

Flagship approved language program away from ASU in Summer 2.

Term 3 40 - 54 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CHI 120: Introduction to Chinese Culture (L or HU)	3	C	<ul style="list-style-type: none"> <li>Flagship students should schedule a meeting with an academic advisor and a Flagship coordinator to create a semester-by-semester plan of study for all required courses for graduation.</li> </ul>
⚠ CHI 301: Third-Year Chinese I (G)	5	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 54 - 69 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CHI 302: Third-Year Chinese II (G)	5	C	<ul style="list-style-type: none"> <li>Learn about internships, scholarships and awards for language majors.</li> <li>Flagship students may participate in a Flagship approved language program away from ASU in the summer between Terms 4 and 5.</li> </ul>
⚠ SLC 202: Introduction to Literary and Cultural Theory	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
⚠ Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 69 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 307: Introduction to Literary Chinese I (HU)	3	C	<ul style="list-style-type: none"> <li>Enroll in Study Abroad Program credits or listed courses.</li> <li>China Related Content Courses must be taught in Chinese. Consult your academic advisor or Flagship coordinator when choosing your content courses.</li> <li>Develop your professional online presence.</li> </ul>
★ CHI 401: Fourth-Year Chinese I (G)	3	C	
Upper Division Chinese Literature and Linguistics Course	3	C	
China Related Courses	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 84 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 308: Classical Chinese II (HU)	3	C	<ul style="list-style-type: none"> <li>Enroll in Study Abroad Program credits or listed courses.</li> <li>Learn about national scholarships, fellowships, and research opportunities through the Humanities Lab.</li> <li>Attend an ASU Career Services workshop or job fair.</li> <li>Use Handshake to research employment opportunities</li> </ul>
★ CHI 402: Fourth-Year Chinese II (G)	3	C	
CHI 380: The Chinese Language	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	12		

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 407: Chinese for Academic and Professional Purposes I (G)	3	C	<ul style="list-style-type: none"> <li>All Flagship students must spend their final terms 7 and 8 in China for their capstone year abroad participating in a Flagship approved</li> </ul>
4** Chinese Literature and Linguistics	3	C	

Upper Division China Related Content Courses	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	12	

program at [Beijing Union University](#) or [Nanjing University](#).

- China related content courses must be taught in Chinese.
- Gather [professional references](#).

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHI 408: Chinese for Academic and Professional Purposes II (G)	3	C	<ul style="list-style-type: none"> <li>• All Flagship students must spend their final terms 7 and 8 in China for their capstone year abroad participating in a Flagship approved program at <a href="#">Beijing Union University</a> or <a href="#">Nanjing University</a>.</li> </ul>
★ SLC 498: Pro-Seminar	3	C	
Elective OR SLC 484: Internship	3		
Elective	3		
Term hours subtotal:	12		

- Flagship students are required to complete two China Related Area "Content Courses" taught in the Chinese language. Students are required to take a one-credit Chinese Writing Module to accompany China Related Area "Content Courses" that are taught in English. See department advisor or Flagship program director for additional course offerings.

#### Hide Course List(s)/Track Group(s)

China Related Courses	Chinese Literature and Linguistics Courses
ARS 201: Art of Asia (HU & H & G)	CHI 321: Chinese Literature (HU)
ARS 472: Art of China (HU)	CHI 322: Chinese Literature (HU & G)
CHI 333: China (SB & H)	CHI 336: Interpreting China's Classics ((L or HU) & H)
CHI 336: Interpreting China's Classics ((L or HU) & H)	CHI 338: The Daoist Bible: The Daode jing (HU & L)
CHI 338: The Daoist Bible: The Daode jing (HU & L)	CHI 348: Pathways into Chinese Culture
CHI 343: Daoism ((L or HU) & G & H)	CHI 470: Modern Chinese Literature and Culture
CHI 345: Chinese Film and Civilization	CHI 482: History of the Chinese Language
CHI 348: Pathways into Chinese Culture	
CHI 394: Special Topics	
CHI 451: Chinese Cultural History I ((HU or SB) & H)	
CHI 452: Chinese Cultural History II (SB & G & H)	
CHI 494: Special Topics	
HST 384: Modern China: 1700 to the Present (SB & G & H)	
REL 345: Asian Religious Traditions (HU & G)	
REL 351: Buddhism ((L or HU) & G)	

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Asian Languages (Japanese), BA






School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAJPNBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>• Learn about <a href="#">Japanese intensive language</a> courses.</li> <li>• Engage in <a href="#">Japanese</a> at ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JPN 101: First-Year Japanese I (G)	5-8	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15-18		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Start planning your study abroad experience. Meet with a SILC advisor to learn about major-specific <a href="#">study abroad programs in Japan</a>.</li> <li>• Attend a <a href="#">Financing Your Study Abroad Program</a> Workshop.</li> <li>• Explore your <a href="#">career interest</a> area.</li> </ul>
JPN 102: First-Year Japanese II (G)	5-8	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Complete 2 courses: Elective	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15-18		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JPN 201: Second-Year Japanese I (G)	5	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">skills</a></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

	Minimum
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Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
⚠ JPN 202: Second-Year Japanese II (G)	5	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the <b>best study abroad options</b> for your major.</li> </ul>
⚠ SLC 202: Introduction to Literary and Cultural Theory	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JPN 301: Third-Year Japanese I (G)	3	C	<ul style="list-style-type: none"> <li>Enroll in listed courses or participate in a School of International Letters and Cultures <b>endorsed program abroad</b> for your major.</li> <li>Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>Learn about <b>internship, scholarship and award</b> opportunities for language and culture majors.</li> </ul>
★ SLC 420: Foreign Literature in Translation (HU & G) OR CHI OR KOR Elective	3	C	
SLC 421: Japanese Literature in Translation ((L or HU) & G)	3	C	
Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JPN 302: Third-Year Japanese II (G)	3	C+	<ul style="list-style-type: none"> <li>Enroll in listed courses or participate in a School of International Letters and Cultures <b>endorsed program abroad</b> for your major.</li> <li>Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>Learn about <b>national scholarships, fellowships, and research</b> opportunities.</li> <li>Use Handshake to research <b>employment opportunities</b></li> </ul>
★ Upper Division JPN Restricted Electives	3	C	
★ SLC 420: Foreign Literature in Translation (HU & G) OR CHI OR KOR Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JPN 401: Reading Modern Japanese Texts I ((L or HU) & G)	3	C	<ul style="list-style-type: none"> <li>Learn about <b>internship opportunities in Japanese</b></li> <li>Gather <b>professional references</b></li> </ul>
★ JPN 414: Introduction to Classical Japanese	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ 4** JPN Elective	3	C	<ul style="list-style-type: none"> <li>Attend a <b>Career Services</b> workshop or Job Fair.</li> </ul>
★ Upper Division JPN Restricted Electives	3	C	
★ 4** SLC Required Culture Course Option	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- SLC Language and/or translation courses may not be used for the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

Upper-division JPN Restricted Electives	SLC 400-Level Required Culture Course Option	JPN 4** Elective
JPN 309: Japanese Oral Communication I	SLC 414: French and Italian Popular Culture	JPN 415: Advanced Classical Japanese
JPN 310: Japanese Oral Communication II	SLC 415: Korean Popular Culture	JPN 445: Readings in Modern Japanese Letters and Culture
JPN 311: Japanese Composition I (G)	SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)	JPN 484: Internship
JPN 312: Japanese Composition II (G)	SLC 425: What is Globalization? A History of Contact and Conflict (HU & L & G)	JPN 485: Literary Translation: Theory and Practice
JPN 394: Special Topics	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)	JPN 492: Honors Directed Study
JPN 415: Advanced Classical Japanese	SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)	JPN 494: Special Topics
JPN 445: Readings in Modern Japanese Letters and Culture	SLC 441: Fairy Tales (HU & G)	
JPN 485: Literary Translation: Theory and Practice	SLC 444: Heroes, Ancient and Modern (L or HU)	
JPN 494: Special Topics	SLC 445: The Holocaust in German-Mediated Memory	
	SLC 446: Weimar-Era German Film	
	SLC 447: German Modernism	
	SLC 450: Experimental Narrative	
	SLC 451: Chinese Cultural History I ((HU or SB) & H)	
	SLC 452: Chinese Cultural History II (SB & G & H)	
	SLC 455: Multi-Kulti: Multiculturalism Through Film (G)	
	SLC 457: Premodern Korea in a Global Context	
	SLC 459: Latin American Jewish Culture	
	SLC 475: Latin American Film ((L or HU) & G)	
	SLC 494: Special Topics	
Related Area Course		
ARS 472: Art of China (HU)		
ARS 473: Art of Japan (HU)		



ARS 475: Chinese Painting (HU)

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CHI 120: Introduction to Chinese Culture (L or HU)

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CHI 333: China (SB & H)

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CHI 336: Interpreting China's Classics ((L or HU) & H)

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CHI 338: The Daoist Bible: The Daode jing (HU & L)

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CHI 343: Daoism ((L or HU) & G & H)

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CHI 345: Chinese Film and Civilization

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CHI 451: Chinese Cultural History I ((HU or SB) & H)

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CHI 452: Chinese Cultural History II (SB & G & H)

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GCU 326: Geography of Asia (SB & G)

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GCU 432: Geography of China (SB & G)

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HST 106: Asian Civilizations ((HU or SB) & G & H)

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HST 387: Japan ((L or SB) & H)

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HST 389: Japan Society and Values/Premod

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KOR 250: Korean Culture and Society (HU & G)

---

KOR 321: Modern Korean Literature

---

KOR 347: Korean Film and Literature (HU)

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KOR 350: Women of Korea (H)

---

KOR 354: Religions of Korea (HU)

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KOR 375: Intercultural Communication in Korea

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KOR 394: Special Topics

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KOR 415: Korean Popular Culture

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KOR 457: Premodern Korea in a Global Context

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POS 451: China, Japan, and the Koreas (SB & G)

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POS 452: China (SB & G)

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POS 468: Comparative Asian Foreign Policies (SB & G)

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REL 344: Religion and Values in Japanese Life (HU & G)

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REL 351: Buddhism ((L or HU) & G)

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REL 483: Religion and Science

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

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**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

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**General University Requirements Legend**

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- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Asian Pacific American Studies, BA





School/College: [The College of Liberal Arts and Sciences](#)













Location: [Tempe campus](#)

LAAPABA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned</li> <li>• Create your <b>Handshake</b> account.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu.edu">me3@asu.edu</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Courses	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 APA Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<b> Related Area Courses</b>	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>- call our advising office at 480-965-7682 to schedule an appointment with our internship coordinator.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	16		
Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<b> APA 360: Asian Pacific American Experience ((HU or SB) &amp; C)</b>	3	C	
APA 450: Asian Pacific American Contemporary Issues (SB & C)	3	C	
APA Upper Division Elective	3	C	
Upper Division Related Area Courses	3	C	
Historical Awareness (H)	3		
Term hours subtotal:	15		
Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<b> APA 484: Internship</b>	3	C	<ul style="list-style-type: none"> <li>The internship requires departmental approval for enrollment.</li> <li>Gather <b>professional references</b></li> </ul>
<b> APA Upper Division Elective</b>	3	C	
Upper Division Related Area Courses	3	C	
Complete 2 courses: Upper Division Elective	6		
<b> Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).</b>			
Term hours subtotal:	15		
Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<b> APA Upper Division Elective</b>	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b></li> </ul>
Upper Division Related Area Courses	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		
Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<b> APA 499: Individualized Instruction</b>	3	C	<ul style="list-style-type: none"> <li>APA 499: Individualized Instruction is a capstone research project determined in consultation with faculty advisor and required by end of term 8</li> </ul>
APA Upper Division Elective	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR 370: Family, Ethnic and Cultural Diversity (SB & C)

APA Elective

ASB 202: Immigration and Ethnic Relations in the U.S. (SB & C)

COM 371: Language, Culture, and Communication (SB & C & G)

ENG 333: American Ethnic Literature ((L or HU) & C)

ENG 460: Ethnic Women Writers

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

JUS 320: Community and Social Justice (SB & C)

JUS 325: Globalization and Socio-Economic Justice (SB & G)

JUS 350: Immigration and Justice (SB & C)

JUS 405: Inequality, Economy and Justice ((L or SB) & G)

JUS 432: Racial Justice (L)

POS 439: Minority Group Politics in America (SB & C)

SBS 301: Cultural Diversity ((L or SB) & C)

SBS 339: Grassroots Social Movements (SB)

TCL 327: Health and Migration (SB)

TCL 410: Race, Medicine, and the Body (L)

WST 378: Global Feminist Theory (L & G)

WST 380: Race, Gender, and Class (SB & C)

WST 420: Women of Color in Film (HU & C)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Biochemistry, BA






School/College: [The College of Liberal Arts and Sciences](#)




Location: [Tempe campus](#)



LABCHBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Students considering advanced science degrees and those who plan to take advanced math courses should take MAT 270 in place of MAT 251.</li> <li>• Select your <a href="#">Career Interest Areas</a> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
 MAT 251: Calculus for Life Sciences (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		



Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• <a href="#">ASU Language Placement</a>: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Research the <a href="#">timeline</a> for health careers and professional program admissions preparation.</li> </ul>
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Students who are interested in graduate degrees in natural sciences or health-related professional degrees should take PHY 111 and PHY 113 instead of PHY 101 in this term. Then, complete PHY 112 and PHY 114 in the next term.</li> <li>• Research <a href="#">admission requirements for health-related professional schools</a>.</li> <li>• Discuss <a href="#">study abroad opportunities</a> with a School of Molecular Sciences advisor or an International Coordinator.</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 101: Introduction to Physics (SQ)	4	C	
BIO 182: General Biology II (SG)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement. Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 234: General Organic Chemistry II	3	C	<ul style="list-style-type: none"> <li>• Due to lower division pre-requisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) courses.</li> <li>• Connect with a Career Advisor by registering for a <a href="#">Handshake</a> account.</li> </ul>
CHM 238: General Organic Chemistry Laboratory II	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete PHY 101 OR PHY 112 AND PHY 114 course(s).			
Term hours subtotal:	14		

Term 5 59 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH 341: Physical Chemistry with a Biological Focus	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
BCH 461: General Biochemistry	3	C	
CHM 302: Environmental Chemistry OR CHM 325: Analytical Chemistry	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
BCH 462: General Biochemistry	3	C	<ul style="list-style-type: none"> <li>• Explore internship opportunities in <a href="#">industry</a> and <a href="#">health fields</a>.</li> <li>• This is an ideal semester to <a href="#">study abroad</a>. BCH course may be taken in the final two terms.</li> </ul>
Advanced BIO Elective	3-4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH 467: Analytical Biochemistry Laboratory (L)	3	C	<ul style="list-style-type: none"> <li>• Upper Division BCH or CHM Electives must be completed at Tempe campus and cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, and CHM 480.</li> </ul>
BCH OR CHM Upper Division Elective	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR BCH 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH OR CHM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		



Complete 3 courses:  
Upper Division Elective

9

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Term hours subtotal: 15

- With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

#### Hide Course List(s)/Track Group(s)

##### Advanced BIO Elective

BIO 201: Human Anatomy and Physiology I (SG)

BIO 302: Cancer--Mother of All Diseases (L)

BIO 325: Oceanography or CHM 385: Oceanography

BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins

BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 360: Animal Physiology

BIO 431: Genes, Development, and Evolution (L)

MIC 205: Microbiology (SG)

MIC 206: Microbiology Laboratory (SG)

MIC 220: Biology of Microorganisms

MIC 461: Geomicrobiology

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Biochemistry, BS






School/College: The College of Liberal Arts and Sciences



Location: Tempe campus

LABCHBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>Career Interest Areas</b> and play <a href="mailto:me3@asu">me3@ASU</a></li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Research <b>timeline</b> for health careers and professional program admissions preparation.</li> </ul>
CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Research <b>admission requirements</b> for health-related professional schools.</li> <li>• Discuss <b>study abroad opportunities</b> with a School of Molecular Sciences advisor or an International Coordinator.</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
BIO 182: General Biology II (SG)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ)	3	C	
PHY 114: General Physics Laboratory (SQ)	1	C	

CHM 234: General Organic Chemistry II	3	C
CHM 238: General Organic Chemistry Laboratory II	1	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Elective	1	
Term hours subtotal:	15	

- Due to lower division pre-requisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and CLAS Science and Society courses.
- Connect with a Career Advisor by registering for a **Handshake** account.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 341: Physical Chemistry with a Biological Focus	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> </ul>
BCH 461: General Biochemistry	3	C	
Advanced BIO Elective	3-4	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	15-16		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BCH 462: General Biochemistry	3	C	
BCH 463: Biophysical Chemistry	3	C	
Advanced BIO Elective	3-4	C	
CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

- This is an ideal semester to **study abroad**. BCH courses may be taken in the final two terms.
- Explore internship opportunities in **industry** and **health** fields.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 467: Analytical Biochemistry Laboratory (L)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Elective OR BCH 484: Internship	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- Apply for **full-time career opportunities**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH OR CHM Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- Upper Division BCH or CHM Elective must be completed at Tempe campus and cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, and CHM 480.

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be

upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)

Advanced BIO Elective
BIO 201: Human Anatomy and Physiology I (SG)
BIO 202: Human Anatomy and Physiology II (SG)
BIO 302: Cancer--Mother of All Diseases (L)
BIO 325: Oceanography or CHM 385: Oceanography
BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins
BIO 351: Developmental Biology
BIO 353: Cell Biology
BIO 360: Animal Physiology
BIO 440: Functional Genomics
BIO 446: Principles of Human Genetics (L)
BIO 450: Advanced Developmental Biology
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging
BIO 465: Neurophysiology
MBB 343: Genetic Engineering and Society (L)
MBB 350: Applied Genetics
MIC 205: Microbiology (SG)
MIC 206: Microbiology Laboratory (SG)
MIC 220: Biology of Microorganisms
MIC 360: Bacterial Physiology
MIC 379: Medical Bacteriology
MIC 461: Geomicrobiology

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Biochemistry, BS



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)




LABCHBS



In order to complete the requirements of this program some laboratory courses will be completed in-person at the Tempe Campus. These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.



Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>SAT, ACT, Accuplacer, IETLS or TOEFL score determines placement into first-year composition courses.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		



Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
MAT 266: Calculus for Engineers II (MA)	3	C	
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>If interested in health-related professional programs, research <a href="#">timeline</a> for admissions preparation and <a href="#">general admission requirements</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		



Term 3 - A 27 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ)	3	C	<ul style="list-style-type: none"> <li>Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> </ul>
PHY 113: General Physics Laboratory (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	7		



Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ)	3	C	

PHY 114: General Physics Laboratory (SQ)	1	C
Literacy and Critical Inquiry (L)	3	
 Complete First-Year Composition requirement.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	7	

Term 4 - A 41 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>Register for a <a href="#">Handshake</a> account and participate in <a href="#">virtual career advising</a>.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		


Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
CHM 234: General Organic Chemistry II	3	C	<ul style="list-style-type: none"> <li>Plan for in-person laboratory attendance in Summer. Talk with your academic advisor.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Summer 4 53 - 55 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 237: General Organic Chemistry Laboratory I	1	C	<ul style="list-style-type: none"> <li>ASU Online students will complete all experiments for the Organic labs at the Tempe Campus of ASU during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.</li> </ul>
CHM 238: General Organic Chemistry Laboratory II	1	C	
Term hours subtotal:	2		

Term 5 - A 55 - 62 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>Due to lower division pre-requisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and CLAS Science and Society courses.</li> <li>Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 5 - B 62 - 69 Credit Hours	Hours	Minimum Grade	Notes
BIO 182: General Biology II (SG)	4	C	
CLAS Science and Society Elective	3	C	
Term hours subtotal:	7		

Term 6 - A 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH 341: Physical Chemistry with a Biological Focus	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - B 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
BCH 463: Biophysical Chemistry	3	C	<ul style="list-style-type: none"> <li>Create a first draft <a href="#">resume</a>.</li> </ul>



Upper Division Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BCH 461: General Biochemistry	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

Term 7 - B 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
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BCH 462: General Biochemistry	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

- View [career webinars](#) offered by Career and Professional Development Center.

Term 8 - A 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Advanced BIO Elective	3-4	C	
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Upper Division Elective	3		
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Term hours subtotal: 6-7

Term 8 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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Advanced BIO Elective	3-4	C	
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Upper Division Elective	3		
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Term hours subtotal: 6-7

- Plan for in-person laboratory attendance in Summer. Talk with your academic advisor.
- Apply for [full-time career opportunities](#).

Summer 8 105 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BCH 467: Analytical Biochemistry Laboratory (L)	3	C	
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Term hours subtotal: 3

- ASU Online students will complete all experiments for the Analytical Biochemistry lab at the Tempe Campus of ASU during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.

Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BCH OR CHM Upper Division Elective	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

- Upper Division BCH or CHM Elective cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, nor CHM 480.

Term 9 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division CLAS Science and Society Elective	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

#### Hide Course List(s)/Track Group(s)

Advanced BIO Elective
BIO 201: Human Anatomy and Physiology I (SG)
BIO 202: Human Anatomy and Physiology II (SG)
BIO 340: General Genetics
BIO 351: Developmental Biology
BIO 353: Cell Biology
BIO 360: Animal Physiology
MIC 220: Biology of Microorganisms or MIC 205: Microbiology (SG)
MIC 206: Microbiology Laboratory (SG)

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Biochemistry (Medicinal Chemistry), BS






School/College: The College of Liberal Arts and Sciences



Location: Tempe campus

LABCHMBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>Career Interest Areas</b> and play <a href="mailto:me3@asu">me3@ASU</a></li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Research <b>timeline</b> for health careers and professional program admissions preparation.</li> </ul>
CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Research <b>admission requirements</b> for health-related professional schools.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
BIO 182: General Biology II (SG)	4		
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ)	3	C	
PHY 114: General Physics Laboratory (SQ)	1	C	

CHM 234: General Organic Chemistry II	3	C
CHM 238: General Organic Chemistry Laboratory II	1	C
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
Complete 2 courses: Elective	4	
Term hours subtotal:	15	

- Due to lower division pre-requisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and CLAS Science and Society courses.
- Explore internship opportunities within **industry** and **health fields**.
- Discuss **study abroad** opportunities with a School of Molecular Sciences advisor or an International Coordinator.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 341: Physical Chemistry with a Biological Focus	3	C	<ul style="list-style-type: none"> <li>• Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> </ul>
BCH 461: General Biochemistry	3	C	
BIO 353: Cell Biology	3	C	
CHM 343: Elementary Physical Chemistry Laboratory	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	2		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BCH 462: General Biochemistry	3	C	<ul style="list-style-type: none"> <li>• This is an ideal semester to <b>study abroad</b>. BCH courses may be taken in final two terms.</li> </ul>
BCH 463: Biophysical Chemistry	3	C	
CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 433: Advanced Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
BCH 467: Analytical Biochemistry Laboratory (L)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR BCH 484: Internship	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 435: Medicinal Chemistry	3	C	<ul style="list-style-type: none"> <li>• Upper Division BCH or CHM Elective must be completed at Tempe campus and cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, and CHM 480.</li> </ul>
BCH OR CHM Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Biological Sciences, BS





School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)



LABSCBS




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics and science courses</li> <li>LIA 101, ASU 101, or other First-Year Seminar required of all freshman students</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		



Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>Join a student <b>organization</b></li> <li>Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a<b>Pre-Health 101</b> session</li> <li>Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete BIO 281 AND BIO 282 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		


Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the pre-health <b>website</b> for more information</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Study Abroad 101 Session</b></li> <li>Explore <b>minors or certificates</b></li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of the elective in this term. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Explore or pursue <a href="#">internship opportunities</a></li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Additional Major Requirement Course	3-4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15-16		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Major Laboratory/Research Course	1-4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time opportunities</li> </ul>
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Upper Division Additional Major Requirement Course	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR BIO 484: Internship OR MIC 484: Internship OR MBB 484: Internship	3		
Term hours subtotal:	14-17		

Term 6 75 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Additional Major Requirement Course	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective in this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Explore graduate school or full-time opportunities</li> </ul>
Upper Division Major Laboratory/Research Course	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	7		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Additional Major Requirement Course	3-4	C	<ul style="list-style-type: none"> <li>• <a href="#">Explore</a> or apply for full-time career opportunities or graduate school</li> <li>• Meet with your <a href="#">advisor</a> to verify remaining degree requirements have been met prior to Term 8</li> </ul>
 Upper Division Major Elective Course	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15-16		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ Upper Division Additional Major Requirement Course	3-4	C
★ Upper Division Major Elective Course	3	C
Upper Division Elective	2	
Complete 2 courses: Elective	6	
Term hours subtotal:	14-15	

- Continue to apply for full-time career opportunities or graduate school

Hide Course List(s)/Track Group(s)

Major Laboratory/Research Courses	Major Elective Courses	Additional Major Requirements Courses
BIO 308: Plant Physiology	BCH 361: Advanced Principles of Biochemistry	BIO 303: Plant Diversity and Evolution (L or SG) or ENV 300: Plant Diversity and Evolution (L or SG)
BIO 342: General Genetics Laboratory	BIO 302: Cancer--Mother of All Diseases (L)	BIO 308: Plant Physiology
BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) or BIO 311: Biology and Society or HPS 340: Biology and Society or PHI 314: Philosophy of Science (HU) or HPS 314: Philosophy of Science (HU)
BIO 352: Laboratory in Vertebrate Developmental Anatomy	BIO 313: The Flora of Arizona	BIO 320: Fundamentals of Ecology
BIO 354: Cell Biology Laboratory	BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H)	BIO 331: Animal Behavior
BIO 361: Animal Physiology Laboratory	BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H)	BIO 351: Developmental Biology
BIO 370: Vertebrate Zoology	BIO 322: Conservation of Biodiversity	BIO 353: Cell Biology
BIO 385: Comparative Invertebrate Zoology	BIO 323: Ecosystem Restoration and Management	BIO 360: Animal Physiology
BIO 386: General Entomology	BIO 325: Oceanography	BIO 370: Vertebrate Zoology
BIO 435: Research Techniques in Animal Behavior	BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)	MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	BIO 412: Conservation in Practice or SOS 412: Conservation in Practice	
BIO 453: Animal Histology	BIO 415: Biometry (CS)	
BIO 471: Ornithology	BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)	
BIO 472: Mammalogy	BIO 423: Population and Community Ecology	
BIO 474: Herpetology	BIO 427: Fire (H)	
BIO 484: Internship or MBB 484: Internship or MIC 484: Internship	BIO 431: Genes, Development, and Evolution (L)	
BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research	BIO 436: Sociobiology and Behavioral Ecology	
MBB 350: Applied Genetics	BIO 440: Functional Genomics or MBB 440: Functional Genomics	
MIC 302: Advanced Bacteriology Laboratory (L)		
MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)		

BIO 446: Principles of Human Genetics (L) or  
ASM 446: Principles of Human Genetics (L)

BIO 461: Comparative Animal Physiology

BIO 462: Endocrine Physiology

BIO 467: Neurobiology

BIO 484: Internship or MBB 484: Internship  
or MIC 484: Internship

BIO 495: Undergraduate Research or MBB  
495: Undergraduate Research or MIC 495:  
Undergraduate Research

BMI 465: Introduction to Comparative  
Genomics

CHM 435: Medicinal Chemistry

HPS 322: History of Science (HU & H)

HPS 323: History of Science (HU & H) or  
BIO 317: History of Science (HU & H)

MIC 360: Bacterial Physiology

MIC 420: Immunology: Molecular and  
Cellular Foundations or BIO 420:  
Immunology: Molecular and Cellular  
Foundations

MIC 485: General Virology

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Biological Sciences, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: ,

LABSCBS

and



Secondary




Education,



BAE

[Mary Lou Fulton Teachers College](#)

TESEDBAE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics and science courses.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement.</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake</b> account and build out your profile.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.).</li> <li>Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement.</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Humanities, Arts and Design (HU)	3		
 Complete BIO 281 AND BIO 282 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the <a href="#">pre-health website</a> for more information.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
CLAS Science and Society Elective	3	C	

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3
◆ Complete First-Year Composition requirement.	
◆ Complete Mathematics (MA) requirement.	
Term hours subtotal:	17

- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester.
- Attend a [Study Abroad 101 Session](#).

Term 4 49 - 64 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ BIO 345: Organic Evolution	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>Identity Verified Print (IVP) DPS fingerprint clearance card</b>.</li> <li>• Meet with the <b>Career &amp; Professional Development Center</b> to learn how to develop professional skills.</li> </ul>
EDP 313: Childhood and Adolescence (SB)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Additional Major Requirement Course	3-4	C	
Upper Division CLAS Science and Society Elective	3	C	
Term hours subtotal:	15-16		

Term 5 64 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Major Elective Course	3	C	<ul style="list-style-type: none"> <li>• Meet with Teachers College advisor to complete paperwork needed to start education program. Call 480.965.5555 to schedule appointment by recommended deadline of September 15.</li> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the <a href="#">pre-health website</a> for more information.</li> <li>• Explore graduate school or full-time <a href="#">employment opportunities</a>.</li> </ul>
★ Major Laboratory/Research Course	1-4	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Complete 2 courses:			
Upper Division Additional Major Requirement Course	6	C	
★ Milestone: Complete online Intent to Progress form (meet with advisor).			
★ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14-17		

Term 6 78 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6th-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.</li> <li>• Students may substitute SED 398 for their Upper Division Major Laboratory/Research Course in Term 6. Speak to your SOLS advisor to discuss this special exception.</li> <li>• Use <a href="#">Handshake</a> to research employment opportunities.</li> </ul>
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Upper Division Additional Major Requirement Course	3	C	
Upper Division Major Laboratory/Research Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 94 - 110 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RDG 323: Literacy Processes in Content Areas	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6th-12th grade classroom. You</li> </ul>
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	

★ BIO 480: Methods of Teaching Biology OR PHY 494: Teaching Physical Science OR SED 482: Science Teaching Methods for Secondary Schools	3	C
★ SED 496: Clinical Experience III	1	C
Upper Division Additional Major Requirement Course	3	C
Upper Division Major Elective Course	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

will be required to complete 75 hours over 12 weeks. Reliable transportation is important.

- Students seeking teacher certification must pass state **educator exams**. Please speak with your education advisor to plan appropriately.
- Meet with your advisor to verify remaining degree requirements have been met prior to student teaching in Term 8.

Term 8 110 - 122 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SED 478: Student Teaching: Secondary Education (Grades 6-12) OR Upper Division Non-Teacher Certification Track	12	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	12	

- If you choose not to participate in student teaching, select 12 hours from the non-certification track group below. Without student teaching, you will not be qualified for Arizona Department of Education Secondary Education Certification, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your education advisor and the **Arizona Department of Education** for clarification. We highly recommend all students complete student teaching.

- Some upper-division track courses require prerequisites not required for this degree. Students may wish to use elective hours to complete those prerequisites.
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper-division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Major Laboratory/Research Courses	Major Elective Courses	Additional Major Requirements Courses
BCH 367: Elementary Biochemistry Laboratory	BCH 361: Advanced Principles of Biochemistry	BIO 303: Plant Diversity and Evolution (L or SG)
BIO 308: Plant Physiology	BIO 302: Cancer--Mother of All Diseases (L)	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) or HPS 340: Biology and Society or BIO 311: Biology and Society or HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)
BIO 321: Introductory Ecology Laboratory	BIO 304: Plants and Civilization (L)	BIO 320: Fundamentals of Ecology
BIO 342: General Genetics Laboratory	BIO 313: The Flora of Arizona	BIO 331: Animal Behavior
BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H)	BIO 351: Developmental Biology
BIO 352: Laboratory in Vertebrate Developmental Anatomy	BIO 322: Conservation of Biodiversity	BIO 353: Cell Biology
BIO 361: Animal Physiology Laboratory	BIO 323: Ecosystem Restoration and Management	
	BIO 325: Oceanography	

BIO 386: General Entomology	BIO 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)	BIO 360: Animal Physiology
BIO 435: Research Techniques in Animal Behavior	BIO 415: Biometry (CS)	BIO 370: Vertebrate Zoology
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	BIO 416: Biomedical Research Ethics (L)	MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)
BIO 453: Animal Histology	BIO 423: Population and Community Ecology	
BIO 471: Ornithology	BIO 427: Fire (H)	
BIO 472: Mammalogy	BIO 431: Genes, Development, and Evolution (L)	
BIO 474: Herpetology	BIO 436: Sociobiology and Behavioral Ecology	
BIO 495: Undergraduate Research	BIO 440: Functional Genomics or MBB 440: Functional Genomics	
MBB 350: Applied Genetics	BIO 446: Principles of Human Genetics (L)	
MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	BIO 461: Comparative Animal Physiology	
MIC 302: Advanced Bacteriology Laboratory (L)	BIO 462: Endocrine Physiology	
	BIO 467: Neurobiology	
	HPS 322: History of Science (HU & H)	
	HPS 323: History of Science (HU & H)	
	HPS 330: History of Biology: Conflicts and Controversies (H)	
	MIC 360: Bacterial Physiology	
	MIC 420: Immunology: Molecular and Cellular Foundations	
	MIC 485: General Virology	
<b>Non-Teacher Certification Track</b>		
ECS Upper Division Elective		
EDP Upper Division Elective		
EDT Upper Division Elective		
SCN Upper Division Elective		
SED Upper Division Elective		
SPE Upper Division Elective		
SPF Upper Division Elective		
TEL Upper Division Elective		
USL Upper Division Elective		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 122

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Biological Sciences, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online](#)




LABSCBS

In order to complete the requirements of this program some laboratory courses will be completed in-person at the Tempe Campus. These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IETLS or TOEFL score determines placement into first-year composition courses</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>General Biology I (BIO 181) will fulfill BIO 281 requirement</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 15 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Term hours subtotal:	8		

Term 2 - A 15 - 22 Credit Hours	Hours	Minimum Grade	Notes
CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> <li>Create a resume &amp; <a href="#">Handshake</a> account with the Career &amp; Professional Development Center</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		


Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>If interested in health-related professional programs, research the <a href="#">timeline</a> for admissions preparation and <a href="#">general admission requirements</a>.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> </ul>
STP 231: Statistics for Life Science (CS)	3	C	
 Complete BIO 181 AND BIO 182 or BIO 281 AND BIO 282 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Summer 2 29 - 35 Credit Hours	Hours	Minimum Grade	Notes
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Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
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Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
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Term hours subtotal:	6		
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Term 3 - A 35 - 39 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
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 BIO 340: General Genetics	4	C	
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Term hours subtotal:	4		
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- Due to lower division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and CLAS Science and Society courses.
- Review the [Career Guide for ASU Online students](#) to learn about available career planning resources.


Term 3 - B 39 - 42 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
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Literacy and Critical Inquiry (L)	3		
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 Complete First-Year Composition requirement.			
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 Complete Mathematics (MA) requirement.			
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Term hours subtotal:	3		
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Term 4 - A 42 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
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 BIO 345: Evolution	3	C	
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CHM 231: Elementary Organic Chemistry (SQ)	3	C	
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Term hours subtotal:	6		
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- Develop your [professional online presence](#)
- Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the pre-health website for more information
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester

Term 4 - B 48 - 55 Credit Hours	Hours	Minimum Grade	Notes
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Humanities, Arts and Design (HU)	3		
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Elective	4		
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Term hours subtotal:	7		
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- Plan for in-person laboratory attendance in Summer. Talk with your academic advisor.

Summer 4 55 - 56 Credit Hours	Hours	Minimum Grade	Notes
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CHM 235: Elementary Organic Chemistry Laboratory (SQ)	1	C	
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Term hours subtotal:	1		
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- ASU Online students will complete all experiments for the CHM 235 organic chemistry lab at the Tempe Campus of ASU during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.

Term 5 - A 56 - 63 Credit Hours	Hours	Minimum Grade	Notes
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PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
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Elective	3
Term hours subtotal:	7

- Due to lower division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and CLAS Science and Society courses.
- If interested in health-related professional programs, use [ASU's Health Professions Advising](#) to prepare for application.
- Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health website for more information
- Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)
- Explore graduate school or full-time opportunities

Term 5 - B 63 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Additional Major Requirement Course	3-4	C	• <a href="#">Network</a> in your career interest area.
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6-7		

Term 6 - A 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Major Requirement Course	3	C	• Work with your academic advisor to align your additional major requirement and major elective courses with your career aspirations
CLAS Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Major Laboratory Research Course	1	C	
Upper Division Additional Major Requirement Course	3	C	
Upper Division Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Major Laboratory Research Course	3	C	• Meet with your advisor to verify remaining degree requirements have been met prior to Term 8
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

- [Explore](#) or apply for full-time career opportunities or graduate school

Term 7 - B 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Elective Course	3	C	
Elective	3		

Term hours subtotal: 6

- Discuss the possibility of in-person laboratory attendance in summer with your academic advisor.

Term 8 - A 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Explore other resources available through ASU's Career and Professional Development Center options</li> </ul>
Upper Division CLAS Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 8 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Elective Course	3	C	<ul style="list-style-type: none"> <li>• Gather professional references</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Major Requirement Course	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 10 - A 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Major Requirement Course	3	C	
Term hours subtotal:	3		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Major Laboratory Research Course	Major Electives	Additional Major Requirements Courses
BIO 354: Cell Biology Laboratory	BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) or HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU) or BIO 311: Biology and Society
BIO 361: Animal Physiology Laboratory	BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H)	BIO 320: Fundamentals of Ecology
BIO 370: Vertebrate Zoology or BIO 484: Internship or MIC 484: Internship	BIO 412: Conservation in Practice	BIO 331: Animal Behavior

MBB 484: Internship or BIO 495:  
Undergraduate Research or MBB 495:  
Undergraduate Research

BIO 416: Biomedical Research Ethics (L)

BIO 351: Developmental Biology

BIO 370: Vertebrate Zoology

BIO 353: Cell Biology

BIO 484: Internship or MBB 484: Internship  
or MIC 484: Internship

BIO 360: Animal Physiology

BIO 495: Undergraduate Research or MBB  
495: Undergraduate Research or MIC 495:  
Undergraduate Research

BIO 370: Vertebrate Zoology

MIC 220: Biology of Microorganisms AND  
MIC 206: Microbiology Laboratory (SG)

CHM 435: Medicinal Chemistry

HPS 322: History of Science (HU & H)

MIC 420: Immunology: Molecular and  
Cellular Foundations or BIO 420:  
Immunology: Molecular and Cellular  
Foundations

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Biological Sciences (Biology and Society), BS





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)



LABSCSBS




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>• Mathematics Placement Assessment score determines placement in mathematics and science course</li> <li>• LIA 101, ASU 101, or other First Year Seminar required of all freshman students</li> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement</li> <li>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		




Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student organization</b></li> <li>• Create a resume &amp; <b>Handshake</b> account with the <b>Career &amp; Professional Development Center</b></li> <li>• Explore <b>Research Opportunities</b></li> <li>• Attend a <b>Pre-Health 101 Session</b></li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete BIO 281 AND BIO 282 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 233 and CHM 237 instead of the elective in this term. See pre-health <b>website</b> for more information.</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• BIO 311 may be used to satisfy the upper division Science and Society requirement for the College of Liberal Arts and Sciences</li> </ul>
BIO 311: Biology and Society OR HPS 340: Biology and Society	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses:	6		
Elective			
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a [Study Abroad 101 Session](#)
- Explore [Minors or Certificates](#)

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of the elective in this term. See pre-health <a href="#">website</a> for more information.</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore or pursue <a href="#">internship opportunities</a></li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 5 63 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 314: Research Colloquium in Biology and Society I (L)	2	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and 113 instead of PHY 101 this term. See the pre-health <a href="#">website</a> for more information</li> <li>• BIO 314 is recommended in this term, but can also be taken in Term 7</li> <li>• BIO 314 is only taught in the Fall semester.</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Some upper division Science in Contemporary Society Interface courses require lower division prerequisites which may be taken as electives</li> <li>• Explore graduate school or full-time opportunities</li> </ul>
 Upper Division Science in Contemporary Society Interface Course	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	14		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division History and Philosophy of Science Interface Course	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and 114 this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Research <a href="#">employment opportunities</a> or graduate school programs</li> </ul>
 Upper Division Major Biological Sciences Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses:			
Elective	7		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 93 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Additional Major Core Elective Courses	3	C	
Complete 2 courses:			

★ Upper Division Major Biological Sciences Elective	6	C
Upper Division Ethics Interface Course	3	C
Upper Division Elective	2	
Term hours subtotal:	14	

- Meet with your **advisor** to verify remaining degree requirements have been met prior to Term 8
- Explore or apply for **full-time career opportunities or graduate school**

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 414: Research Colloquium in Biology and Society II (L)	1	C	<ul style="list-style-type: none"> <li>• BIO 414 is only taught in the Spring semester</li> <li>• Students who complete less than 3 hours of BIO 484 or BIO 485 should plan to complete additional elective hours to reach the minimum 120 total hours required for this degree.</li> <li>• BIO 484 or BIO 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are <b>positions and research experience</b> secured by the student on their own.</li> <li>• Continue to apply for <b>full-time career opportunities or graduate school</b></li> </ul>
★ BIO 484: Internship OR BIO 493: Honors Thesis (L)	3	C	
★ Upper Division Major Biological Sciences Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	13		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Science in Contemporary Society Interface Courses	Major Biological Sciences Elective Courses	Additional Major Core Elective Courses
AFR 383: Blacks in Science, Medicine and Public Health	BIO 303: Plant Diversity and Evolution (L or SG) or ENV 300: Plant Diversity and Evolution (L or SG)	BIO 302: Cancer--Mother of All Diseases (L)
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)	BIO 308: Plant Physiology	BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)
BIO 302: Cancer--Mother of All Diseases (L)	BIO 309: Plant Anatomy	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)	BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H)
BIO 322: Conservation of Biodiversity	BIO 313: The Flora of Arizona	BIO 322: Conservation Biology and Ecological Sustainability I
BIO 323: Ecosystem Restoration and Management	BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H)	BIO 323: Ecosystem Restoration and Management
BIO 412: Conservation in Practice or SOS 412: Conservation in Practice	BIO 320: Fundamentals of Ecology	BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)
BIO 427: Fire (H)	BIO 322: Conservation of Biodiversity	BIO 412: Conservation in Practice or SOS 412: Conservation in Practice
HPS 311: Origins, Evolution, and Creation	BIO 323: Ecosystem Restoration and Management	BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)
MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society	BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)	



WST 360: Women as Healers (SB & G)	BIO 331: Animal Behavior	BIO 427: Fire (H)
	BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	HPS 311: Origins, Evolution, and Creation
	BIO 351: Developmental Biology	HPS 313: Probability, Evidence, and Decision or PHI 313: Probability, Evidence, and Decision
	BIO 353: Cell Biology	HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)
	BIO 360: Animal Physiology	HPS 322: History of Science (HU & H)
	BIO 370: Vertebrate Zoology	HPS 323: History of Science (HU & H) or BIO 317: History of Science (HU & H) or HST 385: History of Chinese Medicine (HU & H & G)
	BIO 386: General Entomology	HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)
	BIO 412: Conservation in Practice or SOS 412: Conservation in Practice	HPS 336: Exploration and Science (SB & H)
	BIO 415: Biometry (CS)	MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society
	BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)	
	BIO 427: Fire (H)	
	BIO 431: Genes, Development, and Evolution (L)	
	BIO 436: Sociobiology and Behavioral Ecology	
	BIO 440: Functional Genomics or MBB 440: Functional Genomics	
	BIO 446: Principles of Human Genetics (L) or ASM 446: Principles of Human Genetics (L)	
	BIO 461: Comparative Animal Physiology	
	BIO 462: Endocrine Physiology	
	BIO 467: Neurobiology	
	BIO 471: Ornithology	
	BIO 472: Mammalogy	
	BIO 498: Sonoran Desert Field Botany	
	BMI 465: Introduction to Comparative Genomics	
	HPS 311: Origins, Evolution, and Creation	
	HPS 313: Probability, Evidence, and Decision or PHI 313: Probability, Evidence, and Decision	
	HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)	
	HPS 322: History of Science (HU & H) or BIO 317: History of Science (HU & H) or HST 385: History of Chinese Medicine (HU & H & G)	
	HPS 323: History of Science (HU & H)	

HPS 331: History of Medicine (HU & H) or  
BIO 318: History of Medicine (HU & H)

HPS 336: Exploration and Science (SB & H)

MBB 355: Introduction to Computational  
Molecular Biology (CS) or BIO 355:  
Introduction to Computational Molecular  
Biology (CS) or MAT 355: Introduction to  
Computational Molecular Biology (CS)

MIC 220: Biology of Microorganisms

MIC 314: HIV/AIDS: Science, Behavior, and  
Society or SSH 314: HIV/AIDS: Science,  
Behavior, and Society

MIC 360: Bacterial Physiology

MIC 420: Immunology: Molecular and  
Cellular Foundations

#### History and Philosophy of Science Interface Courses

ASB 357: Society, Drugs and Health (SB &  
G)

BIO 316: History of Biology: Conflicts and  
Controversies (H) or HPS 330: History of  
Biology: Conflicts and Controversies (H)

HPS 331: History of Medicine (HU & H) or  
BIO 318: History of Medicine (HU & H)

HPS 311: Origins, Evolution, and Creation

HPS 313: Probability, Evidence, and Decision  
or PHI 313: Probability, Evidence, and  
Decision

HPS 314: Philosophy of Science (HU) or PHI  
314: Philosophy of Science (HU)

HPS 322: History of Science (HU & H)

HPS 323: History of Science (HU & H) or  
BIO 317: History of Science (HU & H) or  
HST 385: History of Chinese Medicine (HU &  
H & G)

HPS 336: Exploration and Science (SB & H)

#### Ethics Interface Courses

BIO 312: Bioethics (HU) or PHI 320:  
Bioethics (HU)

BIO 324: Environmental Ethics (HU) or PHI  
310: Environmental Ethics (HU)

BIO 416: Biomedical Research Ethics (L) or  
HPS 410: Biomedical Research Ethics (L)

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Biological Sciences (Biomedical Sciences), BS





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)



LABSCMBS





Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>• Mathematics Placement Assessment score determines placement in mathematics and science courses</li> <li>• LIA 101, ASU 101, or other First-Year Seminar is required of all freshman students</li> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement</li> <li>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		



Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>• Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center to explore research or internship opportunities</li> <li>• <b>Attend a Pre-Health 101 Session</b></li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Join a <b>student organization</b></li> <li>• Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete BIO 281 AND BIO 282 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics OR MBB 347: Molecular Genetics: From Genes to Proteins	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See pre-health <a href="#">website</a> for more information.</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

- Attend a [Study Abroad 101 Session](#)
- Explore [minors or certificates](#)

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of the elective in this term. See pre-health <a href="#">website</a> for more information.</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See pre-health <a href="#">website</a> for more information.</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time opportunities</li> </ul>
 BIO 353: Cell Biology	3	C	
 BIO 360: Animal Physiology	3	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Term hours subtotal:	14		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective in this term. See pre-health <a href="#">website</a> for more information.</li> <li>• BIO 312 may be used to satisfy an upper division Science and Society credit for the College of Liberal Arts and Sciences provided it is not being used to satisfy an HU credit for general studies.</li> <li>• Some upper division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives.</li> <li>• Research <a href="#">employment opportunities</a> or graduate school programs</li> </ul>
BIO 312: Bioethics (HU)	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	4		
Elective	2		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course	4-2	C	
Upper Division CLAS Science and Society Elective	3	C	

Upper Division Literacy and Critical Inquiry (L)	3
Elective OR BIO 484: Internship OR MIC 484: Internship OR MBB 484: Internship	3
Elective	3
Term hours subtotal:	16-14

- Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.
- Some upper division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives.
- Explore or apply for **full-time career opportunities or graduate school**
- Meet with your **advisor** to verify remaining degree requirements have been met prior to Term 8

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology	3	C	• Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.
★ Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course	2-4	C	• Continue to apply for <b>full-time career opportunities or graduate school</b>
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	14-16		

- Some upper division Medicine in Society Courses require lower division prerequisites, which may be taken as electives. See list of Suggested Electives provided.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

#### Hide Course List(s)/Track Group(s)

Biomedical Research	Medicine in Society	Suggested Electives
BIO 342: General Genetics Laboratory	ASB 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H)	ASB 100: Introduction to Global Health (SB & G)
BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	ASM 401: Health and Human Biology	ASB 102: Introduction to Cultural Anthropology (SB & G)
BIO 352: Laboratory in Vertebrate Developmental Anatomy	ASB 355: Traditional Medicine and Healing (HU or SB)	ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H)
BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)	ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)	ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)
BIO 361: Animal Physiology Laboratory		ASM 104: Bones, Stones, and Human Evolution (SB or SG)
		BIO 331: Animal Behavior

BIO 415: Biometry (CS)	ASB 452: Community Partnerships for Global Health (SB) or SSH 402: Community Partnerships for Global Health (SB)	BMI 465: Introduction to Comparative Genomics
BIO 435: Research Techniques in Animal Behavior	ASB 462: Medical Anthropology: Culture and Health (SB & C)	HST 101: Global History Since 1500 (HU & H & G) or SGS 111: Global History Since 1500 (HU & H & G)
BIO 450: Advanced Developmental Biology	ASM 345: Disease and Human Evolution	MBB 445: Techniques in Molecular Biology/Genetics or MIC 445: Techniques in Molecular Biology/Genetics
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	BIO 302: Cancer--Mother of All Diseases (L)	MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations
BMI 465: Introduction to Comparative Genomics	BIO 311: Biology and Society or HPS 340: Biology and Society	
MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 446: Techniques in Molecular Biology/Genetics Lab	HPS 331: History of Medicine (HU & H)	
MIC 421: Experimental Immunology		
MIC 425: Advanced Immunology		
BIO 495: Undergraduate Research or MIC 495: Undergraduate Research or MBB 495: Undergraduate Research		
BIO 492: Honors Directed Study or MIC 492: Honors Directed Study or MBB 492: Honors Directed Study		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Biological Sciences (Conservation Biology and Ecology), BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)



LABSCCBS




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics and science courses</li> <li>LIA 101, ASU 101, or other First Year Seminar required of all freshman students</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS) OR STP 226: Elements of Statistics (CS)	3	C	
Term hours subtotal:	15		




Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>Join a student <b>organization</b></li> <li>Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Pre-Health 101 Session</b></li> <li>Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA) OR SOS 211: Calculus and Probability for the Life and Social Sciences (MA)	3	C	
Elective	1		
 Complete BIO 281 AND BIO 282 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		



Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 320: Fundamentals of Ecology	3	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 this term. See the pre-health <a href="#">website</a> for more information</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Study Abroad 101 Session</b></li> <li>Explore <b>minors or certificates</b></li> </ul>
Physical Science Requirement Course	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		



Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Pre-health students should take CHM 234 and CHM 238 this term. See the <a href="#">pre-health website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 322: Conservation of Biodiversity	3	C	<ul style="list-style-type: none"> <li>• In these Human Dimensions courses, students learn about the human and social dimensions of conservation science</li> <li>• Pre-health students should take PHY 111 and 113 instead of PHY 101 this term. See the <a href="#">pre-health website</a> for more information</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time opportunities</li> </ul>
 Upper Division Human Dimensions of Conservation and Ecology	3	C	
BIO 345: Organic Evolution	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Conservation Biology and Ecology Field Methods	3	C	<ul style="list-style-type: none"> <li>• These Conservation Biology and Ecology courses teach students field (outdoor) and laboratory methods that are commonly used in conservation biology and ecology.</li> <li>• Pre-health students should take PHY 112 and 114 this term. See the <a href="#">pre-health website</a> for more information</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Explore graduate school or full-time opportunities</li> </ul>
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Advanced Ecology	3	C	<ul style="list-style-type: none"> <li>• These Advanced Ecology courses focus on the sub-disciplines of ecology across levels of biological organization, from individuals to landscapes</li> <li>• Please note that BIO 421 and BIO 422 are only offered in fall terms. BIO 423 is offered in spring terms. Students who do not complete BIO 421 or BIO 422 in fall of their senior year</li> </ul>
Quantitative & Spatial Analysis Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

will need to complete BIO 423 in the spring term immediately following.

- Explore or apply for **full-time career opportunities or graduate school**
- Meet with your **advisor** to verify remaining degree requirements have been met prior to Term 8

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Advanced Ecology, Biodiversity, Field or Research Course	3	C	<ul style="list-style-type: none"> <li>• Students must complete BIO 421 or BIO 422 or BIO 423 no later than the eighth term</li> <li>• Continue to apply for <b>full-time career opportunities or graduate school</b></li> </ul>
★ Upper Division Advanced Human Dimensions of Conservation and Ecology	3	C	
Upper Division Elective	2		
Elective OR BIO 484: Internship OR MIC 484: Internship OR MBB 484: Internship	3		
Elective	3		
Term hours subtotal:	14		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

#### Hide Course List(s)/Track Group(s)

Human Dimensions of Conservation and Ecology	Conservation Biology and Ecology Field Methods	Physical Science Requirement Courses
BIO 304: Plants and Civilization or ENV 302: Plants and Civilization (L)	BIO 410: Techniques in Conservation Biology and Ecology (L)	CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)
BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)	BIO 494: Discovering Biodiversity	GIS 205: Geographic Information Science I (CS)
BIO 412: Conservation in Practice	BIO 494: Novel Ecosystems	GIS 211: Geographic Information Science II (CS)
BIO 427: Fire (H)	BIO 498: Sonoran Desert Field Botany	GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)
BIO 434: People and Nature: Ecosystem Services or SOS 434: People and Nature: Ecosystem Services		GPH 111: Introduction to Physical Geography (SQ)
BIO 495: Undergraduate Research		PHY 101: Introduction to Physics (SQ) or PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
Quantitative & Spatial Analysis Courses	Advanced Ecology	Advanced Human Dimensions of Conservation and Ecology
BIO 411: Quantitative Methods in Conservation and Ecology	ABS 472: Applied Herpetology	BIO 304: Plants and Civilization or ENV 302: Plants and Civilization (L)
BIO 415: Biometry (CS)	BIO 360: Animal Physiology	

CSE 100: Principles of Programming with C++ (CS)	BIO 361: Animal Physiology Laboratory	BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)
CSE 110: Principles of Programming (CS)	BIO 421: Landscape Ecology or SOS 421: Landscape Ecology	BIO 434: People and Nature: Ecosystem Services or SOS 434: People and Nature: Ecosystem Services
GIS 311: Geographic Information Science III (CS)	BIO 422: Ecosystem Ecology	JUS 444: Environment and Justice (L & C) or FIS 444: Environment and Justice (L & C)
GIS 470: Advanced Statistics for Geography and Planning (CS)	BIO 423: Population and Community Ecology	SOS 310: Equity, Justice and Sustainability
GIS 471: Spatial Statistics for Geography and Planning	BIO 429: Human Impacts on Ecosystem Functioning or SOS 429: Human Impacts on Ecosystem Functioning	SOS 321: Policy and Governance in Sustainable Systems
SOS 212: Systems, Dynamics and Sustainability	BIO 461: Comparative Animal Physiology	SOS 325: The Economics of Sustainability
	BIO 471: Ornithology	
	BIO 495: Undergraduate Research	
Advanced Ecology, Biodiversity, Field or Research Course		
ABS 376: Wildlife Ecology		
ABS 380: Restoration and Wildlife Plants		
ABS 470: Life History of Mammals		
ABS 476: Big Game Habitat Management		
ABS 481: Riparian and Wetland Restoration		
ASM 443: Primatology		
BIO 303: Plant Diversity and Evolution (L or SG)		
BIO 313: The Flora of Arizona		
BIO 325: Oceanography		
BIO 331: Animal Behavior		
BIO 370: Vertebrate Zoology		
BIO 385: Comparative Invertebrate Zoology		
BIO 386: General Entomology		
BIO 410: Techniques in Conservation Biology and Ecology (L)		
BIO 419: Physiological Plant Ecology		
BIO 498: Sonoran Desert Field Botany		
GPH 422: Plant Geography or BIO 430: Plant Geography		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Biological Sciences (Genetics, Cell and Developmental Biology), BS





School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)



LABSCGBS




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics and science courses</li> <li>LIA 101, ASU 101, or other First Year Seminar required of all freshman students</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		



Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>Join a student <b>organization</b></li> <li>Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Pre-Health 101 Session</b></li> <li>Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete BIO 281 AND BIO 282 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235 this term. See pre-health <a href="#">website</a> for more information</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Study Abroad 101 Session</b></li> <li>Explore <b>minors or certificates</b></li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See pre-health <a href="#">website</a> for more information.</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 61 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses:			<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See pre-health <a href="#">website</a> for more information</li> <li>• BIO 351 is only taught in the Fall semester</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time opportunities</li> </ul>
 BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry	6	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See pre-health <a href="#">website</a> for more information</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Explore graduate school or full-time opportunities</li> </ul>
BIO 360: Animal Physiology OR BIO 446: Principles of Human Genetics (L) or ASM 446: Principles of Human Genetics (L) OR MBB 440: Functional Genomics or BIO 440: Functional Genomics OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Major Laboratory/Research Course	3	C	<ul style="list-style-type: none"> <li>• <a href="#">Explore</a> or apply for full-time career opportunities or graduate school</li> <li>• Meet with your <a href="#">advisor</a> to verify remaining degree requirements have been met prior to Term 8</li> </ul>
Upper Division Major Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		

Elective OR BIO 484: Internship OR MIC 484: Internship OR MBB 484: Internship 3

Term hours subtotal: 15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Major Laboratory/Research Course	1	C	• Continue to <b>apply</b> for full-time career opportunities or graduate school
BIO 360: Animal Physiology OR BIO 446: Principles of Human Genetics (L) or ASM 446: Principles of Human Genetics (L) OR MBB 440: Functional Genomics or BIO 440: Functional Genomics OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations	3	C	
Upper Division Major Elective	3	C	
Upper Division Elective	2		
Complete 2 courses: Elective	4		
Term hours subtotal:	13		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Major Laboratory/Research Courses	Major Electives
BIO 308: Plant Physiology	BCH 367: Elementary Biochemistry Laboratory
BIO 342: General Genetics Laboratory	BIO 302: Cancer--Mother of All Diseases (L)
BIO 352: Laboratory in Vertebrate Developmental Anatomy	BIO 308: Plant Physiology
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 453: Animal Histology	BIO 320: Fundamentals of Ecology
BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research	BIO 342: General Genetics Laboratory
MBB 343: Genetic Engineering and Society (L) or BIO 343: Genetic Engineering and Society (L)	BIO 352: Laboratory in Vertebrate Developmental Anatomy
MBB 350: Applied Genetics	BIO 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS)
MIC 206: Microbiology Laboratory (SG) AND MIC 220: Biology of Microorganisms	BIO 360: Animal Physiology
MIC 302: Advanced Bacteriology Laboratory (L)	BIO 415: Biometry (CS)
MIC 421: Experimental Immunology	BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)

BCH 367: Elementary Biochemistry  
Laboratory

BIO 431: Genes, Development, and Evolution  
(L)

BIO 440: Functional Genomics or MBB 440:  
Functional Genomics

BIO 446: Principles of Human Genetics (L) or  
ASM 446: Principles of Human Genetics (L)

BIO 451: Cell Biotechnology: Cell Culture,  
Immunocytochemistry and Bioimaging

BIO 453: Animal Histology

BIO 462: Endocrine Physiology

BMI 465: Introduction to Comparative  
Genomics

BIO 467: Neurobiology

HPS 322: History of Science (HU & H) or  
BIO 317: History of Science (HU & H)

HPS 323: History of Science (HU & H)

HPS 330: History of Biology: Conflicts and  
Controversies (H) or BIO 316: History of  
Biology: Conflicts and Controversies (H)

HPS 331: History of Medicine (HU & H) or  
BIO 318: History of Medicine (HU & H)

MBB 343: Genetic Engineering and Society  
(L) or BIO 343: Genetic Engineering and  
Society (L)

MBB 350: Applied Genetics

MIC 302: Advanced Bacteriology Laboratory  
(L)

MIC 420: Immunology: Molecular and  
Cellular Foundations or BIO 420:  
Immunology: Molecular and Cellular  
Foundations

MIC 421: Experimental Immunology

MIC 485: General Virology

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)



**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Biological Sciences (Neurobiology, Physiology and Behavior), BS





School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)



LABSCABS





Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>• Mathematics Placement Assessment score determines placement in mathematics and science courses</li> <li>• LIA 101, ASU 101, or other First Year Seminar required of all freshman students.</li> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement</li> <li>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		



Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>• Join a student <b>organization</b></li> <li>• Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center</li> <li>• Attend a <b>Pre-Health 101 Session</b></li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete BIO 281 AND BIO 282 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and 235 this term. See pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Attend a <b>Study Abroad 101 Session</b></li> <li>• Explore <b>minors or certificates</b></li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Elective	7		
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 331: Animal Behavior OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See pre-health <a href="#">website</a> for more information</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time opportunities</li> </ul>
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 331: Animal Behavior OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 this term. See pre-health <a href="#">website</a> for more information</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Explore graduate school or full-time opportunities</li> </ul>
BIO 436: Sociobiology and Behavioral Ecology OR BIO 461: Comparative Animal Physiology OR BIO 462: Endocrine Physiology			
 OR BIO 467: Neurobiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Complete 2 courses:			
Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
BIO 436: Sociobiology and Behavioral Ecology OR BIO 461: Comparative Animal Physiology OR BIO 462: Endocrine Physiology			<ul style="list-style-type: none"> <li>• <a href="#">Explore</a> or apply for full-time career opportunities or graduate school</li> <li>• Meet with your <a href="#">advisor</a> to verify remaining degree requirements have been met prior to Term 8</li> </ul>
 OR BIO 467: Neurobiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations	3	C	
BCH 361: Advanced Principles of Biochemistry	3	C	
Upper Division Major Comparative Structure and Function Course	4	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	1		
Term hours subtotal:	14		

Term hours subtotal: 14

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Major Laboratory/ Research Course	1-4	C	• Continue to apply for full-time career opportunities or graduate school
★ Complete 2 courses: Upper Division Major Electives	6-8	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective OR BIO 484: Internship OR MIC 484: Internship OR MBB 484: Internship	3		
Term hours subtotal:	13-18		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Major Comparative Structure and Function Courses	Major Laboratory/Research Courses	Upper Division Major Electives
BIO 351: Developmental Biology	BCH 367: Elementary Biochemistry Laboratory	BIO 302: Cancer--Mother of All Diseases (L)
BIO 370: Vertebrate Zoology	BIO 308: Plant Physiology	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 385: Comparative Invertebrate Zoology	BIO 342: General Genetics Laboratory	BIO 320: Fundamentals of Ecology
BIO 453: Animal Histology	BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	BIO 353: Cell Biology
PSY 426: Neuroanatomy	BIO 352: Laboratory in Vertebrate Developmental Anatomy	BIO 386: General Entomology
	BIO 361: Animal Physiology Laboratory	BIO 415: Biometry (CS)
	BIO 435: Research Techniques in Animal Behavior	BIO 431: Genes, Development, and Evolution (L)
	BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	BIO 440: Functional Genomics or MBB 440: Functional Genomics
	BIO 484: Internship or MBB 484: Internship or MIC 484: Internship	BIO 465: Neurophysiology
	BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research	BIO 471: Ornithology
	MIC 421: Experimental Immunology	BIO 472: Mammalogy
		BIO 474: Herpetology
		BMI 465: Introduction to Comparative Genomics
		PSY 470: Psychopharmacology

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that

guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Biophysics, BS





School/College: The College of Liberal Arts and Sciences




Location: Tempe campus

LABIPHBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>• PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively</li> <li>• Join a <b>physics student organization</b></li> </ul>
 PHY 150: Physics I (SQ)	4	C	
BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively</li> <li>• CHM 113 may be used in place of CHM 117 and CHM 111</li> </ul>
 PHY 151: Physics II (SQ)	4	C	
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ)	4	C	
CLAS Science and Society Elective	3	C	
 Maintain 2.50 GPA in Critical Tracking Courses.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 201: Mathematical Methods in Physics I (CS)	3	C	<ul style="list-style-type: none"> <li>• CHM 116 may be used in place of CHM 118 and CHM 112, and students who took CHM 113 must take this course instead of the CHM 118 and CHM 112.</li> </ul>
 PHY 252: Physics III (SQ)	4	C	

CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ)	4	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
❗ Maintain 2.50 GPA in Critical Tracking Courses.		
Term hours subtotal:	17	

- MAT 275 (Modern Differential Equations) AND MAT 342 (Linear Algebra) may be taken in place of PHY 201. The combination MAT 275 + MAT 342 is sufficient, but PHY 201 is recommended.
- Explore **research fields within physics**.

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 345: Physical Chemistry I	3	C	• Gain <b>research experience</b>
BIO 360: Animal Physiology OR BIO 353: Cell Biology	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 346: Physical Chemistry II	3	C	• Use Handshake to research <b>employment opportunities</b>
★ PHY 312: Mechanics and Electromagnetism	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 371: Driving Forces in Biology	3	C	• Develop your <b>professional online presence</b>
★ PHY 472: Advanced Biophysics Lab	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR PHY 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 473: From Molecules to Cells	3	C	
Complete 3 courses:			
Upper Division Elective	9		
Elective	1		
Term hours subtotal:	13		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be

upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map




### Chemistry, BA






School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LACHMBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>Career Interest Areas</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Discuss <b>study abroad opportunities</b> with a School of Molecular Sciences advisor or an International Coordinator.</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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◆ PHY 112: General Physics (SQ)	3	C
CHM 234: General Organic Chemistry II	3	C
CHM 238: General Organic Chemistry Laboratory II	1	C
PHY 114: General Physics Laboratory (SQ)	1	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
Term hours subtotal:	15	

- Build your professional connections - join the [ASU Mentor Network](#)

Term 5 60 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
CHM 325: Analytical Chemistry	3	C	
CHM 326: Advanced Analytical Chemistry Laboratory	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

- Create a first draft [resume](#).
- This is an ideal semester to [study abroad](#). CHM 325 and CHM 326 may be taken in Term 7.

Term 6 74 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 341: Elementary Physical Chemistry	3	C	
CHM 343: Elementary Physical Chemistry Laboratory	1	C	
Humanities, Arts and Design (HU)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	16		

- Explore [internship](#) opportunities.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 453: Inorganic Chemistry	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR CHM 484: Internship	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- CHM 453 is only offered in the Fall semester.
- Apply for [full-time career opportunities](#).

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM OR BCH Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	4		
Elective	2		
Term hours subtotal:	15		

- Upper Division CHM or BCH Elective must be completed at Tempe campus and cannot be met with BCH 341, BCH 371, BCH 372, and CHM 480.

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Chemistry, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACHMBA

and




Secondary

Education,

BAE

[Mary Lou Fulton Teachers College](#)

TESEDBAE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR TEL 101: Professional Educator Series: The Student Experience	1		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Discuss <b>study abroad opportunities</b> with a School of Molecular Sciences advisor or an International Coordinator.</li> </ul>
CHM 237: General Organic Chemistry Laboratory I	1	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Computer/Statistics/Quantitative Applications (CS) 3

❖ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ PHY 112: General Physics (SQ)	3	C	<ul style="list-style-type: none"> <li>Teachers College Requirement: Apply for an <b>Identity Verified Print (IVP) DPS fingerprint clearance card</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
PHY 114: General Physics Laboratory (SQ)	1	C	
CHM 234: General Organic Chemistry II	3	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3		
Term hours subtotal:	15		

Term 5 60 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 325: Analytical Chemistry	3	C	<ul style="list-style-type: none"> <li>Meet with Teachers College advisor to complete paperwork needed to start education program. Call 480.965.5555 to schedule appointment by recommended deadline of September 15.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
CHM 326: Advanced Analytical Chemistry Laboratory	1	C	
EDP 313: Childhood and Adolescence (SB)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
★ Milestone: Complete online Intent to Progress form (meet with advisor).			
★ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
★ CHM 341: Elementary Physical Chemistry	3	C	
CHM 343: Elementary Physical Chemistry Laboratory	1	C	
Elective	1		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 453: Inorganic Chemistry	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> <li>• Students seeking teacher certification must pass state educator exams. Please speak with your education advisor to plan appropriately.</li> <li>• CHM 453 is only offered in the Fall semester.</li> <li>• Upper Division BCH or CHM Elective must be completed at Tempe campus and cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, or CHM 460.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ CHM 480: Methods of Teaching Chemistry OR PHY 480: Methods of Teaching Physics OR SED 482: Science Teaching Methods for Secondary Schools	3	C	
★ SED 496: Clinical Experience III	1	C	
CHM OR BCH Upper Division Elective	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12) OR Upper Division Non-Teacher Certification Track	12	C	<ul style="list-style-type: none"> <li>• If you choose not to participate in student teaching, select 12 hours from the non-certification track group below. Without student teaching, you will not be qualified for Arizona Department of Education Secondary Education Certification, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your education advisor and the <a href="#">Arizona Department of Education</a> for clarification. We highly encourage all students to complete student teaching.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

- Non-Teacher Certification Track
- ECS Upper Division Elective
- EDP Upper Division Elective
- EDT Upper Division Elective
- SCN Upper Division Elective
- SED Upper Division Elective
- SPE Upper Division Elective
- SPF Upper Division Elective
- TEL Upper Division Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Chemistry, BS






School/College: The College of Liberal Arts and Sciences


Location: Tempe campus

LACHMBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>Career Interest Areas</b> and play <b>me3@ASU</b></li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 240: Mathematical Methods in Chemistry (CS)	3	C	



CHM 234: General Organic Chemistry II	3	C
CHM 238: General Organic Chemistry Laboratory II	1	C
Literacy and Critical Inquiry (L)	3	
Complete 2 courses: Elective	5	
Term hours subtotal:	15	

- Transferring students shall take the equivalents to MAT 274 or MAT 275 (Differential Equations) and MAT 242 (Linear Algebra) in place of the 5 units of "elective". These two courses will allow the student to meet Term 4 critical tracking and the enrollment requirements for CHM 345 in Term 5. Discuss substitutions with major advisor.

Term 5 60 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 345: Physical Chemistry I	3	C	<ul style="list-style-type: none"> <li>• CHM 325, 326, 345, and 348 are only offered in the Fall semester.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
CHM 325: Analytical Chemistry	3	C	
CHM 326: Advanced Analytical Chemistry Laboratory	1	C	
CHM 348: Physical Chemistry Laboratory I (L)	1	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	14		

Term 6 74 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 346: Physical Chemistry II	3	C	<ul style="list-style-type: none"> <li>• CHM 327, 328, 346, and 349 are only offered in the Spring semester.</li> <li>• Explore <b>internship</b> opportunities.</li> </ul>
CHM 327: Instrumental Analysis	3	C	
CHM 328: Instrumental Analysis Laboratory	2	C	
CHM 349: Physical Chemistry Laboratory II (L)	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 89 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 453: Inorganic Chemistry	3	C	<ul style="list-style-type: none"> <li>• CHM 453 is only offered in the Fall semester.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
CHM 460: Biological Chemistry	3	C	
CLAS Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR CHM 484: Internship	3		
Term hours subtotal:	15		

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 452: Inorganic Chemistry Laboratory (L)	1	C	<ul style="list-style-type: none"> <li>• CHM 452 is only offered in the Spring semester</li> <li>• Upper Division CHM or BCH Elective must be completed at Tempe campus cannot be met with BCH 341, BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, nor CHM 480.</li> </ul>
CHM OR BCH Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	16		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Chemistry (Environmental Chemistry), BS






School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACHMEBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <a href="#">Career Interest Areas</a> and play <a href="#">me3@ASU</a></li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• Connect with a Career Advisor by registering for a <a href="#">Handshake</a> account.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a></li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 240: Mathematical Methods in Chemistry (CS)	3	C	

CHM 234: General Organic Chemistry II	3	C
CHM 238: General Organic Chemistry Laboratory II	1	C
Literacy and Critical Inquiry (L)	3	
Complete 2 courses:		
Elective	5	
Term hours subtotal:	15	

- Transferring students shall take the equivalents of MAT 274 or MAT 275 (Differential Equations) and MAT 242 (Linear Algebra) in place of the 5 units of "elective". These two courses will allow the student to meet Term 4 critical tracking and the enrollment requirements for CHM 345 in Term 5. Discuss substitutions with major advisor.

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 302: Environmental Chemistry	3	C	<ul style="list-style-type: none"> <li>• CHM 302, 345, and 348 are only offered in the Fall semester.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
CHM 345: Physical Chemistry I	3	C	
CHM 348: Physical Chemistry Laboratory I (L)	1	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GLG 321: Mineralogy	3	C	<ul style="list-style-type: none"> <li>• CHM 303 and GLG 321 are only offered in the Spring semester</li> <li>• Explore <b>internship</b> opportunities.</li> </ul>
CHM 303: Environmental Chemistry Laboratory (L)	2	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 90 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 325: Analytical Chemistry	3	C	<ul style="list-style-type: none"> <li>• CHM 325 and 326 are only offered in the Fall semester.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
CHM 326: Advanced Analytical Chemistry Laboratory	1	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR CHM 484: Internship	3		
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	16		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 481: Geochemistry	3	C	<ul style="list-style-type: none"> <li>• CHM 481 is only offered in the Spring semester.</li> </ul>
BCH 361: Advanced Principles of Biochemistry	3	C	
BCH 367: Elementary Biochemistry Laboratory	1	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Elective	4		
Term hours subtotal:	14		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Civic and Economic Thought and Leadership, BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACELBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 100: Great Ideas of Politics and Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 200: Great Debates in American Politics and Economics	3	C	<ul style="list-style-type: none"> <li>• <b>Network</b> in your career interest area.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CEL Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Computer/Statistics/Quantitative Applications (CS)	3
Literacy and Critical Inquiry (L)	3
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
Term hours subtotal:	16

- See your academic advisor to explore **internship** opportunities.
- Secure a **part-time job** or **volunteer experience**.

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CEL 300: Capitalism and Great Economic Debates	3	C
American Political and Economic Thought Course	3	C
CEL Upper Division Elective	3	C
Natural Science - Quantitative (SQ)	4	
Upper Division Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	16	

- CEL 499 and additional CEL 484 internship hours may be used to satisfy the CEL elective requirement.
- Explore graduate programs with faculty and your advisor.

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Moral and Political Thought Course	3	C
CEL 484: Internship	3	C
Upper Division Related Area Course	3	C
Upper Division Elective	3	
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Develop your **professional online presence**.
- Use Handshake to research **employment opportunities**.

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Leadership and Statesmanship for the 21st Century Course	3	C
CEL 475: Statesmanship and American Grand Strategy	3	C
CEL Upper Division Elective	3	C
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	15	

- Gather **online references**.
- Update and polish your **resume**.
- Apply to graduate programs.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CEL 485: Capstone Seminar in Civic and Economic Thought and Leadership	3	C
★ Upper Division Economic Thought and Political Economy Course	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Upper Division Elective	3	
Elective	2	
Term hours subtotal:	14	

- Complete an in person or virtual **practice interview**.
- Apply for full-time **career opportunities**.

Hide Course List(s)/Track Group(s)

Related Area Courses	Moral and Political Thought	American Political and Economic Thought
ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	CEL 305: Classical Political Philosophy and Statesmanship: The Greeks	CEL 235: Federalists, Anti-Federalists, and the Enduring Debate over American Constitutionalism
ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)	CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty	CEL 294: Race and the American Story
HST 109: United States to 1865 ((HU or SB) & H)	CEL 394: Democracies in Crisis	CEL 394: Tocqueville on Liberty, Equality and Democracy
HST 110: United States Since 1865 (SB & H)	CEL 394: Justice and Virtue	CEL 394: Liberalism and Conservatism in America
PHI 105: Intro to Ethics (HU)	CEL 494: Political Thought: Islam, Hinduism, Confucianism	CEL 394: Political Thought & Leadership of James Madison
PHI 347: Philosophical Theories of Constitutional Law	CEL 494: Politics & Literature/Shakespeare Prince	CEL 494: Law of the Constitution: Governments & Powers
POS 110: American Government and Politics (SB)		CEL 494: Civil Liberties and Rights
POS 150: Comparative Government (SB & G)		
POS 160: Global Politics (SB & G)		
POS 210: Political Ideologies (SB)		
POS 216: State and Local Government (SB)		
POS 465: International Organization and Law (SB & G)		
Economic Thought and Political Economy	Leadership and Statesmanship for the 21st Century	
CEL 345: Classics of Modern Economic Thought: Smith to Hayek and Beyond	CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826	
CEL 394: Entrepreneurialism and Innovation	CEL 394: Left and Right Around the World	
CEL 494: Adam Smith and Classical Political Economy	CEL 394: Ideological Origins Anglo-Am Librty: 4 Mod Revolutns	
	CEL 494: Political Leadership and Statesmanship	

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)



**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Civic and Economic Thought and Leadership, BS




School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)

LACETLBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 100: Great Ideas of Politics and Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 200: Great Debates in American Politics and Economics (HU)	3	C	<ul style="list-style-type: none"> <li>• <b>Network</b> in your career interest area</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete ENG 101 or ENG 105 or ENG 107 course(s)	0		
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEL Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement	0		
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 235: Federalists, Anti-Federalists, and the Enduring Debate over American Constitutionalism (HU)	3	C	<ul style="list-style-type: none"> <li>• See your academic advisor to explore <b>internship</b> opportunities.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
CLAS Science and Society Elective	3	C	
Cultural Diversity in the U.S. (C)	3		

Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
Elective	3
Term hours subtotal:	15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEL 300: Capitalism and Great Economic Debates	3	C	<ul style="list-style-type: none"> <li>• CEL 499 and additional CEL 484 internship hours may be used to satisfy the CEL elective requirement.</li> <li>• Explore graduate programs with faculty and your advisor.</li> </ul>
Upper Division Related Area Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEL 305: Classical Political Philosophy and Statesmanship: The Greeks OR CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty	3	C	<ul style="list-style-type: none"> <li>• Develop your professional online presence.</li> <li>• Use Handshake to research employment opportunities.</li> </ul>
★ POS 301: Empirical Political Inquiry (SB) OR SGS 305: Empirical Political Inquiry (SB)	3	C	
CEL 484: Internship	3	Y	
Upper Division Related Area Electives	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Update and polish your resume.</li> <li>• Apply to graduate programs.</li> </ul>
★ CEL 475: Statesmanship and American Grand Strategy	3	C	
★ POS 401: Political Statistics (CS) OR SGS 401: Political Statistics (CS)	3	C	
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEL 345: Classics of Modern Economic Thought: Smith to Hayek and Beyond	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual practice interview.</li> <li>• Apply for full-time career opportunities.</li> </ul>
★ CEL 485: Capstone Seminar in Civic and Economic Thought and Leadership	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

#### Hide Course List(s)/Track Group(s)

##### Related Area Electives

ECN 331: Economics of the European Economic Union (SB & G)

ECN 345: Survey of Environmental and Resource Economics

ECN 355: Economics of Healthcare

ECN 360: Economic Development (SB & G)

ECN 404: History of Economic Thought (SB)

POS 348: Do You Want to Build a Nation? (L)

POS 465: International Organization and Law (SB & G)

POS 485: Political Economy (SB)

POS 486: International Political Economy (SB & G)

SGS 394: Global Markets

SGS 394: International Development

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Communication, BA





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACOMBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest</b> area and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
ENG 105: Advanced First-Year Composition OR			
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete 2 courses: Elective	6		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
 COM 225: Public Speaking (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete Mathematics (MA) requirement.			

⚠ Minimum 2.00 GPA ASU Cumulative.

Complete First-Year Composition requirement.

Term hours subtotal: 17

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ COM 308: Advanced Research Methods in Communication (L)	3	C	<ul style="list-style-type: none"> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• Explore an <b>internship</b></li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete 2 courses: Elective	5		
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses: COM 110: Elements of Interpersonal Communication (SB) or COM 310: Relational Communication OR COM 250: Communication and the Workplace (SB) OR COM 241: Introduction to Oral Interpretation (L or HU) OR COM 263: Elements of Intercultural Communication (SB & C & G) OR COM 321: Rhetorical Theory and Research ((L or HU) & H)	6	C	<ul style="list-style-type: none"> <li>• Select COM courses in consultation with academic advisor</li> <li>• Majors will select two <b>Areas of Emphasis</b> from the five available options and complete both required courses in each of the two chosen areas. The first required course from the two selected areas should be completed in term 5 and the second required course in each selected area should be completed in term 6.</li> <li>• It is recommended that upper division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Upper Division Elective	3		
Elective OR COM 484: Internship	3		
Term hours subtotal:	15		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses: COM 410: Interpersonal Communication Theory and Research (SB) OR COM 421: Rhetoric of Social Issues (HU) OR COM 442: Identity, Performance, and Human Communication OR COM 450: Organizational Communication (SB) OR COM 463: Intercultural Communication in a Global Context (SB & G)	6	C	<ul style="list-style-type: none"> <li>• Select COM courses in consultation with academic advisor</li> <li>• Majors will select two <b>Areas of Emphasis</b> from the five available options and complete both required courses in each of the two chosen areas. The first required course from the two selected areas should be completed in term 5 and the second required course in each selected area should be completed in term 6.</li> <li>• It is recommended that upper division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
COM Upper Division Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ COM 3** Elective	3	C
★ COM 407: Advanced Critical Methods in Communication	3	C
Complete 3 courses: Upper Division Elective	9	
Term hours subtotal:	15	

- Select COM courses in consultation with academic advisor
- It is recommended that upper division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.
- Apply for **full-time career opportunities**

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Select COM courses in consultation with academic advisor</li> <li>• It is recommended that upper division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.</li> </ul>
COM Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- Majors will select two out of five Areas of Emphasis and complete both required courses in each of the two chosen areas. Emphasis areas include Communication and Healthy Relating; Workplace, Organizational, and Leadership Communication; Civility, Advocacy, and Engaging Publics; Communication, Creativity, and Performance; and Communication Across Cultures. The required course sequence for each area is listed at the top of each track list below. In the Communication and Healthy Relating Area of Emphasis student may complete COM 310 as an upper division elective if not used toward the required courses in the area, but cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

Civility, Advocacy and Engaging Publics	Communication, Creativity and Performance	Workplace, Organizational and Leadership Communication
COM 321: Rhetorical Theory and Research (L or HU) & H) AND COM 421: Rhetoric of Social Issues (HU)	COM 241: Introduction to Oral Interpretation (L or HU) AND COM 442: Identity, Performance, and Human Communication	COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB)
Electives:	Electives:	Electives:
COM 222: Argumentation (L)	COM 194: Communication and Creativity	COM 230: Small Group Communication (SB)
COM 316: Gender and Communication (SB & C)	COM 281: Communication Activities	COM 312: Communication, Conflict, and Negotiation
COM 320: Communication and Consumerism (SB)	COM 341: Social Contexts for Performance	COM 377: Communication, Terrorism, and National Security
COM 323: Communication Approaches to Popular Culture (C)	COM 441: Performance Studies (HU)	COM 394: Communication, Culture, and New Media Technologies
COM 325: Advanced Public Speaking (L)	COM 445: Narrative Performance (HU)	COM 414: Crisis Communication
COM 326: Court Room Oratory	COM 446: Performance of Literature Written by Women ((L or HU) & C)	COM 430: Leadership in Group Communication
COM 327: Civil Communication		COM 452: Communication and the Art of Happiness
COM 426: Political Communication (SB)		COM 453: Communication Training and Development



Communication and Healthy Relating	Communication Across Cultures
COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication AND COM 410: Interpersonal Communication Theory and Research (SB)	COM 263: Elements of Intercultural Communication (SB & C & G) AND COM 463: Intercultural Communication in a Global Context (SB & G)
Electives:	Electives:
COM 310: Relational Communication	COM 317: Nonverbal Communication
COM 312: Communication, Conflict, and Negotiation	COM 327: Civil Communication
COM 316: Gender and Communication (SB & C)	COM 394: Communication, Culture, and New Media Technologies
COM 317: Nonverbal Communication	COM 442: Identity, Performance, and Human Communication
COM 319: Persuasion and Social Influence (SB)	COM 465: Intercultural Communication Workshop
COM 411: Communication in the Family (SB)	COM 494: Communication in Multi-National Organizations
COM 452: Communication and the Art of Happiness	COM 494: Conflict and Intercultural Dialogue

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Communication, BS






School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)

LACOMBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest area</b> and play me3@ASU.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Mathematics (MA)	3	C	
Complete 2 courses:			
Elective	6		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses:			
Elective	6		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
 COM 225: Public Speaking (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 308: Advanced Research Methods in Communication (L)	3	C	

CLAS Science and Society Elective	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Complete 2 courses: Elective	6	
Term hours subtotal:	16	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found [here](#).
- Explore an [internship](#)
- Visit [Career and Professional Development Services](#) and meet with a career advisor for assistance with career planning and networking.

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Complete 2 courses: COM 110: Elements of Interpersonal Communication (SB) or COM 310: Relational Communication OR COM 241: Introduction to Oral Interpretation (L or HU) OR COM 250: Communication and the Workplace (SB) OR COM 263: Elements of Intercultural Communication (SB & C & G) OR COM 321: Rhetorical Theory and Research ((L or HU) & H)	6	C
★ COM 3** Elective	3	C
Upper Division CLAS Science and Society Elective	3	C
Computer/Statistics/Quantitative Applications (CS)	3	
Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found [here](#).
- Majors will select two [Areas of Emphasis](#) from five available options and complete both required courses in each of the two chosen areas. The first course from each selected area should be completed in term 5 and the second course from each selected area should be completed in term 6.
- COM 310 may be used as an upper-division COM elective if not selected as a required course for the Communication and Healthy Relating Area of Emphasis.
- Develop your [professional online presence](#)

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Complete 2 courses: COM 410: Interpersonal Communication Theory and Research (SB) OR COM 421: Rhetoric of Social Issues (HU) OR COM 442: Identity, Performance, and Human Communication OR COM 450: Organizational Communication (SB) OR COM 463: Intercultural Communication in a Global Context (SB & G)	6	C
COM Upper Division Elective	3	C
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3	
Upper Division Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

- Select COM courses in conjunction with academic advisor
- Majors will select two [Areas of Emphasis](#) from five available options and complete both required courses in each of the two chosen areas. The first course from each selected area should be completed in term 5 and the second course from each selected area should be completed in term 6.
- Use Handshake to research [employment opportunities](#)

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ COM 408: Quantitative Research Methods in Communication	3	C
COM Upper Division Elective	3	C
Complete 2 courses: Upper Division Elective	6	

- Select COM courses in conjunction with academic advisor

Elective OR COM 484: Internship	3
Minimum 2.00 GPA ASU Cumulative.	
Term hours subtotal:	15

- It is recommended that upper division COM electives be chosen from the two **Areas of Emphasis** from which required courses are selected in terms 5 and 6.
- Apply for **full-time career opportunities**

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Select COM courses in conjunction with academic advisor</li> <li>• It is recommended that upper-division COM electives be chosen from the two <b>Areas of Emphasis</b> from which required courses are selected in terms 5 and 6.</li> </ul>
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Majors will select two out of five Areas of Emphasis and complete both required courses in each of the two chosen areas. Emphasis areas include Communication and Healthy Relating; Workplace, Organizational, and Leadership Communication; Civility, Advocacy, and Engaging Publics; Communication, Creativity, and Performance; and Communication Across Cultures. The required course sequence for each area is listed at the top of each track list below. In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper division elective if not used toward the required courses in the area, but it cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

Civility, Advocacy and Engaging Publics	Communication, Creativity and Performance	Workplace, Organizational and Leadership Communication
COM 321: Rhetorical Theory and Research (L or HU) & H) AND COM 421: Rhetoric of Social Issues (HU)	COM 241: Introduction to Oral Interpretation (L or HU) AND COM 442: Identity, Performance, and Human Communication	COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB)
Electives:	Electives:	Electives:
COM 222: Argumentation (L)	COM 194: Communication and Creativity	COM 230: Small Group Communication (SB)
COM 316: Gender and Communication (SB & C)	COM 281: Communication Activities	COM 312: Communication, Conflict, and Negotiation
COM 320: Communication and Consumerism (SB)	COM 341: Social Contexts for Performance	COM 377: Communication, Terrorism, and National Security
COM 323: Communication Approaches to Popular Culture (C)	COM 441: Performance Studies (HU)	COM 394: Communication, Culture, and New Media Technologies
COM 325: Advanced Public Speaking (L)	COM 445: Narrative Performance (HU)	COM 414: Crisis Communication
COM 326: Court Room Oratory	COM 446: Performance of Literature Written by Women ((L or HU) & C)	COM 430: Leadership in Group Communication
COM 327: Civil Communication		
COM 426: Political Communication (SB)		

COM 452: Communication and the Art of Happiness

COM 453: Communication Training and Development

Communication and Healthy Relating	Communication Across Cultures
COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication AND COM 410: Interpersonal Communication Theory and Research (SB)	COM 263: Elements of Intercultural Communication (SB & C & G) AND COM 463: Intercultural Communication in a Global Context (SB & G)
Electives:	Electives:
COM 310: Relational Communication	COM 317: Nonverbal Communication
COM 312: Communication, Conflict, and Negotiation	COM 327: Civil Communication
COM 316: Gender and Communication (SB & C)	COM 394: Communication, Culture, and New Media Technologies
COM 317: Nonverbal Communication	COM 442: Identity, Performance, and Human Communication
COM 319: Persuasion and Social Influence (SB)	COM 465: Intercultural Communication Workshop
COM 411: Communication in the Family (SB)	COM 494: Communication in Multi-National Organizations
COM 452: Communication and the Art of Happiness	COM 494: Conflict and Intercultural Dialogue

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Communication, BS



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online](#)



LACOMBS



**FT** Fast Track Options: 2.5 Year | 3 Year




A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or College specific equivalent First Year Seminar is required for all freshman students</li> <li>Select your <b>career interest</b> area and play me3@ASU.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
ASU 101-UC: The ASU Experience	1		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Mathematics (MA) ( MAT 142 recommended)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition	3	C	
 OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses:	6		
Elective			
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
 COM 259: Communication in Business and the Professions	3	C	
Term hours subtotal:	6		

Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Contact <b>Career and Professional Development Services</b> and speak with a career advisor for assistance with career planning and networking.</li> </ul>
Natural Science - Quantitative (SQ)	4		
⚠ Complete Mathematics (MA) requirement.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete First-Year Composition requirement.			
Term hours subtotal:	7		

Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ COM 308: Advanced Research Methods in Communication (L)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 4 - B 44 - 51 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 316: Gender and Communication (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Draft or update your <b>resume</b></li> </ul>
CLAS Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
★ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 319: Persuasion and Social Influence (SB)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 312: Communication, Conflict, and Negotiation	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ COM 400: Communication in Professions (HU & C)	3	C
Upper Division CLAS Science and Society Elective	3	C
Term hours subtotal:	6	

- Apply for full-time career opportunities

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ COM 430: Leadership in Group Communication	3	C
Upper Division Elective	3	
Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	6	

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ COM 453: Communication Training and Development	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

- Develop your professional online presence

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:		
Upper Division Elective	6	
Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	6	

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ COM 408: Quantitative Research Methods in Communication	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

- Gather professional references

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3	
Elective	3	
Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	6	

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:		
Elective	6	
Term hours subtotal:	6	

- Apply for full-time career opportunities

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Elective	3	
Term hours subtotal:	3	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be

upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map




### Computational Mathematical Sciences, BS




School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)

LACMSBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Elective	3		
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.</li> <li>• Join a student <b>club</b> or professional organization, like <b>Math Club</b></li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Science Sequence Course AND Natural Science - Quantitative (SQ)	4	C	
Literacy and Critical Inquiry (L) ( PHI 103 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Critical Tracking Courses. Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	17		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 240: Introduction to Programming Languages	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation</li> <li>• Meet with your academic advisor to discuss summer <b>internship</b> and/or Research Opportunities for Undergraduates (REU)</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement. Maintain 2.50 GPA in Critical Tracking Courses. Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 47 - 63 Credit Hours Critical course signified by 	Hours	Grade	Notes
 MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT classes; grade of B or better strongly correlated with timely graduation</li> <li>• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.</li> <li>• Develop professional <b>skills</b></li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
 MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
Science Sequence Course AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 63 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation</li> <li>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>• Develop your <b>professional online presence</b>.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
 MAT 420: Scientific Computing	3	C	
Science Sequence Course	4	C	
Elective	4		
Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	14		

Term 6 77 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MAT 421: Applied Computational Methods (CS)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Meet with a career counselor from ASU Career Services for a review of your <b>resume</b> and <b>interviewing</b> tips for success.</li> </ul>
Science Sequence Course	4	C	
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Internship/Research/Advanced Science Course	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Advanced Courses	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Elective	3		
Elective	3		
Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Advanced Courses	6	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Upper Division Elective	3
★ Minimum 2.00 GPA in MAT and STP.	
Term hours subtotal:	12

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Meet with your academic advisor for final degree check and apply for graduation through your My ASU.

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

The Computational Mathematical Sciences degree requires students to select and complete two one-year lecture and lab combinations. Upon advisor approval, two advanced courses for which the first one-year science and lab sequence is a prerequisite may be substituted for the second one-year science and lab sequence.

#### Hide Course List(s)/Track Group(s)

Science Sequence Courses	Internship, Research, or Advanced Science	Advanced Courses
AST 111: Introduction to Solar Systems Astronomy (SQ) AND AST 113: Astronomy Laboratory I (SQ) AND AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) AND AST 114: Astronomy Laboratory II (SQ) or AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) AND AST 113: Astronomy Laboratory I (SQ) AND AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) AND AST 114: Astronomy Laboratory II (SQ)	AST Upper Division Elective BIO 320: Fundamentals of Ecology BME Upper Division Elective CEE Upper Division Elective CHE Upper Division Elective CHM Upper Division Elective CIS Upper Division Elective CSE Upper Division Elective EEE Upper Division Elective	MAT 415: Introduction to Combinatorics MAT 416: Introduction to Graph Theory MAT 419: Introduction to Linear Optimization (CS) MAT 423: Numerical Analysis I (CS) MAT 425: Numerical Analysis II (CS) MAT 447: Cryptography I MAT 451: Mathematical Modeling (CS) MAT 452: Introduction to Chaos and Nonlinear Dynamics
BIO 181: General Biology I (SQ) AND BIO 182: General Biology II (SG)	GLG 305: Dynamic Earth GLG 321: Mineralogy GLG 362: Geomorphology GLG 4** Elective	MAT 461: Applied Complex Analysis MAT 462: Applied Partial Differential Equations MAT 475: Differential Equations MAT 476: Partial Differential Equations
CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ)	MAE Upper Division Elective MAT 484: Internship MAT 493: Honors Thesis (L) MAT 495: Undergraduate Research	STP 420: Introductory Applied Statistics (CS) STP 421: Probability STP 425: Stochastic Processes STP 427: Mathematical Statistics
CHM 114: General Chemistry for Engineers (SQ) AND CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	MIC Upper Division Elective	STP 429: Experimental Statistics (CS)
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) AND CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ)		
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ) AND GLG 102:		

Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)

MSE Upper Division Elective

MAT 448: Cryptography II

PHI 413: Advanced Symbolic Logic

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) AND PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)

PHY Upper Division Elective

PLB Upper Division Elective

PHY 150: Physics I (SQ) AND PHY 151: Physics II (SQ)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map






### Earth and Environmental Studies, BA





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAEESBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• LIA 101 is mandatory for all incoming freshmen.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		




Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
 Approved BIO or PHY Course	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		



Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4	C	<ul style="list-style-type: none"> <li>• Some courses such as GLG 102/104 or GLG 110/111 may also fulfill awareness areas (C, G, H). If students have completed awareness areas as part of another course requirement they do not need to take them with their HU or SB general studies courses. See DARS report for confirmation if an awareness area has been fulfilled.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the</li> </ul>
 Laboratory Science Major Elective	4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			





Term hours subtotal: 15

academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).

Term 4 44 - 58 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Laboratory Science Major Elective	4	C	<ul style="list-style-type: none"> <li>SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>Explore an <a href="#">internship</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		

Term 5 58 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GLG 325: Oceanography	3	C	<ul style="list-style-type: none"> <li>Students are strongly encouraged to meet with SESE faculty advisors to discuss career options.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	16		

Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GLG 305: Dynamic Earth	3	C	<ul style="list-style-type: none"> <li>Students are strongly encouraged to meet with SESE faculty advisors to discuss career options.</li> <li>Research <a href="#">career opportunities</a>.</li> <li>The list of approved major electives along with their pre-requisites may be viewed on the <a href="#">SESE website</a>.</li> <li>Students should meet with an advisor to do a graduation check.</li> </ul>
Complete 2 courses:			
Upper Division Earth and Environmental Studies (EES) Major Electives	6	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 89 - 104 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GLG 327: Earth's Critical Zone	3	C	<ul style="list-style-type: none"> <li>If not already completed, students should meet with an advisor to do a graduation check.</li> <li>Students are strongly encouraged to meet with SESE faculty advisors to discuss career options.</li> <li>Explore a research or <a href="#">internship</a> opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval.</li> <li>Apply for <a href="#">career opportunities</a>.</li> </ul>
Upper Division 4** (400 level) Earth and Environmental Studies (EES) Electives	3	C	
Upper Division Earth and Environmental Studies (EES) Major Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR GLG 484: Internship AND SES 499: Individualized Instruction	3		
Term hours subtotal:	15		



- The list of approved major electives along with their pre-requisites may be viewed on the [SESE website](#).

Term 8 104 - 120 Credit Hours <b>Necessary course signified by ★</b>	Hours	Minimum Grade	Notes
★ GLG 464: Solving Environmental Problems	3	C	<ul style="list-style-type: none"> <li>• Students are strongly encouraged to meet with SESE faculty advisors to discuss career options.</li> <li>• The list of approved major electives along with their pre-requisites may be viewed on the <a href="#">SESE website</a>.</li> </ul>
Upper Division 4** (400 level) Earth and Environmental Studies (EES) Electives	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	4		
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

Approved BIO or PHY Course	Laboratory Science Major Electives	Upper Division 4** (400 level) Earth and Environmental Studies (EES) Electives
BIO 100: The Living World (SQ)	GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	ABS 430: Watershed Management
BIO 182: General Biology II (SG)	GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	ABS 440: Ecological Restoration Techniques
PHY 101: Introduction to Physics (SQ)	GLG 108: Water Planet (SQ)	ABS 479: Ecosystem Management and Planning (L)
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	GLG 110: Dangerous World (SG & G) AND GLG 111: Dangerous World Laboratory (SG)	ABS 485: GIS in Natural Resources
	SES 106: Habitable Worlds (SQ)	ABS 486: Introduction to Remote Sensing
	SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory	CEE 400: Earth Systems Engineering and Management (L or HU) & H)
	SES 141: Energy In Everyday Life (SQ)	ERM 402: Unit Treatment Technologies
		ERM 406: Environmental Chemistry
		ERM 426: Environmental Issues
		ERM 428: International Environmental Management (G)
		GIS 470: Advanced Statistics for Geography and Planning (CS)
		GLG 424: Petrology
		GLG 430: Paleontology
		GLG 435: Sedimentology
		GLG 441: Ore Deposits
		GLG 470: Hydrogeology
		GLG 481: Geochemistry
		GPH 405: Energy and Environment
		GPH 414: Climate Change (G)

JUS 444: Environment and Justice (L & C)

PUP 442: Environmental Planning

SOS 414: Urban and Environmental Health (SB)

SOS 429: Human Impacts on Ecosystem Functioning

SOS 433: Sustainable Water Use

SOS 434: People and Nature: Ecosystem Services

STP 420: Introductory Applied Statistics (CS)

Upper Division Earth and Environmental Studies (EES) Electives

ABS 302: Ethical and Policy Issues in Biology

ABS 350: Applied Statistics (CS)

ABS 370: Ecology

ABS 430: Watershed Management

ABS 440: Ecological Restoration Techniques

ABS 479: Ecosystem Management and Planning (L)

ABS 485: GIS in Natural Resources

ABS 486: Introduction to Remote Sensing

ASB 326: Human Impacts on Ancient Environments (SB & H)

BIO 311: Biology and Society

BIO 324: Environmental Ethics (HU)

CEE 400: Earth Systems Engineering and Management ((L or HU) & H)

ENG 371: Rhetoric of the Environmental Movement

ERM 302: Water and Wastewater Treatment Technology

ERM 402: Unit Treatment Technologies

ERM 406: Environmental Chemistry

ERM 426: Environmental Issues

ERM 428: International Environmental Management (G)

FIS 334: Science, Technology and Inequality (C)

GCU 364: Energy in the Global Arena (SB & G)

GIS 341: Introduction to Cartography and Georepresentation (CS)

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GIS 470: Advanced Statistics for Geography and Planning (CS)

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GLG 301: Earth Science in Arizona and the Southwest

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GLG 304: Minerals, Energy, and Society

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GLG 310: Structural Geology

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GLG 321: Mineralogy

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GLG 424: Petrology

---

GLG 430: Paleontology

---

GLG 435: Sedimentology

---

GLG 441: Ore Deposits

---

GLG 470: Hydrogeology

---

GLG 481: Geochemistry

---

GPH 314: Global Change (HU & G)

---

GPH 381: Geography of Natural Resources (G)

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GPH 405: Energy and Environment

---

GPH 414: Climate Change (G)

---

HST 345: Environmental History (L)

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JUS 334: Science, Technology and Inequality (C)

---

JUS 444: Environment and Justice (L & C)

---

PHI 310: Environmental Ethics (HU)

---

POS 300: Contemporary Global Controversies (SB & G)

---

PUP 301: Introduction to Urban Planning (L)

---

PUP 442: Environmental Planning

---

SOC 331: Environmental Sociology (SB & G)

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SOS 300: Advanced Concepts and Integrated Approaches in Sustainability

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SOS 310: Equity, Justice and Sustainability

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SOS 314: Basic Energy Science

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SOS 315: Energy Policy

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SOS 320: Society and Sustainability (L or SB)

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SOS 321: Policy and Governance in Sustainable Systems

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SOS 323: Sustainable Urban Dynamics

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SOS 324: Sustainable Energy Technology and Systems

SOS 325: The Economics of Sustainability

SOS 326: Sustainable Ecosystems

SOS 327: Sustainable Food and Farms

SOS 372: Earth Science in Arizona and the Southwest

SOS 373: Minerals, Energy, and Society

SOS 414: Urban and Environmental Health (SB)

SOS 429: Human Impacts on Ecosystem Functioning

SOS 433: Sustainable Water Use

SOS 434: People and Nature: Ecosystem Services

STP 420: Introductory Applied Statistics (CS)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Earth and Space Exploration, BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LASESBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• LIA 101 is mandatory for all incoming freshmen.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		
<hr/>			
Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• Students in this major have a choice between taking SES 122 and SES 124 or SES 126 and SES 128 in their second semester. SES 122/124 has an earth-based focus and SES 126/128 has a space-based focus. Students should select the sequence that aligns best with their long-term career goals.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
CHM 114: General Chemistry for Engineers (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		
<hr/>			
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	

SES 130: Coding for Exploration (CS)	3	C
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Literacy and Critical Inquiry (L)	3	
❖ Complete First-Year Composition requirement.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).
- Develop your [skills](#).

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ MAT 267: Calculus for Engineers III (MA)	3	C	
❖ PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
❖ Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	16		

- SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).
- To access requirements and the list of approved Science and Society courses, [click here](#).

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SES 350: Engineering Systems and Experimental Problem Solving	3	C	
★ Upper Division SES Branch Course	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
SES OR GLG OR AST Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	15		

- Students need two upper division electives for the major (6 credits total). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES or AST courses offered by the School of Earth and Space Exploration, excluding GLG 300 or GLG 400/SES 401.
- Students should meet with faculty advisor to discuss research opportunities.

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division SES Branch Course	3	C	
SES OR GLG OR AST Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR GLG 484: Internship OR SES 499: Individualized Instruction	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- Explore a research or [internship](#) opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students should talk to faculty mentors about how to find research opportunities.
- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.
- To access the requirements and the list of approved courses for Science and Society, [click here](#).
- Students should meet with an advisor to do a graduation check.
- Research [career opportunities](#).

Term 7 91 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 410: Senior Exploration Project I	3	C	<ul style="list-style-type: none"> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.</li> <li>• If not already completed, students should meet with an advisor to do a graduation check.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ Upper Division SES Branch Course	3	C	
SES 401: Earth and Space Exploration Colloquium	1	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	16		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 411: Senior Exploration Project II	3	C	
★ Upper Division SES Branch Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	2		
Elective	2		
Term hours subtotal:	13		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

SES Branch Courses
AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)
AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)
GLG 310: Structural Geology
GLG 321: Mineralogy
GLG 418: Geophysics
GLG 424: Petrology
GLG 471: Hydrology
GLG 481: Geochemistry
GLG 490: Remote Sensing
SES 311: Essentials of Astrobiology: Exploration for Life in the Universe
SES 330: Practical Electronics and Instrumentation

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Earth and Space Exploration (Astrobiology and Biogeosciences), BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASESABBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• LIA 101 is mandatory for all incoming freshmen.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		

Term 2 14 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students in this major have a choice between taking SES 122 and SES 124 or SES 126 and SES 128 in their second semester. SES 122/124 has an earth-based focus and SES 126/128 has a space-based focus. Students should select the sequence that aligns best with their long-term career goals.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		

Term 3 28 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	

BIO 181: General Biology I (SQ)	4	C
SES 130: Coding for Exploration (CS)	3	C
❖ Complete First-Year Composition requirement.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).
- Develop your **skills**.

Term 4 42 - 58 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• To access the requirements and the list of approved courses for Science and Society, <a href="#">click here</a>.</li> </ul>
BIO 182: General Biology II (SG)	4	C	
GLG 321: Mineralogy	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
❖ Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	16		

Term 5 58 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Astrobiology & Biogeosciences Major Electives	3	C	<ul style="list-style-type: none"> <li>• Students should start meeting with faculty to discuss research opportunities</li> </ul>
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GLG 481: Geochemistry	3	C	<ul style="list-style-type: none"> <li>• Research <b>career opportunities</b>.</li> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.</li> <li>• Students should meet with an advisor to do a graduation check.</li> </ul>
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
SES 311: Essentials of Astrobiology: Exploration for Life in the Universe	3	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SES 410: Senior Exploration Project I	3	C	<ul style="list-style-type: none"> <li>• Explore a research or <b>internship</b> opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting</li> </ul>
★ Upper Division Astrobiology & Biogeosciences Major Electives	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		

Upper Division Elective OR GLG 484: Internship OR SES 499: Individualized Instruction 3

Term hours subtotal: 15

involved in research. Students should talk to faculty mentors about how to find research opportunities.

- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.
- Apply for **full-time career opportunities**.
- If not already completed, students should meet with an advisor to do a graduation check.
- To access the requirements and the list of approved courses for Science and Society, [click here](#).

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 411: Senior Exploration Project II	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Astrobiology & Biogeosciences Major Electives

AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)

BIO 320: Fundamentals of Ecology

BIO 340: General Genetics

BIO 345: Organic Evolution

GLG 404: Fundamentals of Planetary Geology

GLG 430: Paleontology

GLG 435: Sedimentology

GLG 460: Astrobiology

GLG 485: Meteorites and Cosmochemistry

GLG 489: Field Geochemistry (L)

GLG 490: Remote Sensing

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map

### Earth and Space Exploration (Astrophysics), BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASESABS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• LIA 101 is mandatory for all incoming freshmen.</li> <li>• SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as alternatives although MAT 270, 271 and 272 are encouraged.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		
<hr/>			
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>• Students in this major have a choice between taking SES 122 and SES 124 or SES 126 and SES 128 in their second semester. SES 122/124 has an earth-based focus and SES 126/128 has a space-based focus. Most astrophysics students should take SES 126/128.</li> <li>• SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as alternatives although MAT 270, 271 and 272 are encouraged.</li> <li>• SESE will accept PHY 121/122 and PHY 131/132 as alternatives although PHY 150 and PHY 151 are encouraged.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	15		
<hr/>			
Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

⚠ MAT 272: Calculus with Analytic Geometry III (MA)	4	C
⚠ PHY 151: University Physics II: Electricity and Magnetism (SQ)	4	C
SES 130: Coding for Exploration (CS)	3	C
Humanities, Arts and Design (HU)	3	
⚠ Complete First-Year Composition requirement.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as alternatives although MAT 270, 271 and 272 are encouraged.
- SESE will accept PHY 121/122 and PHY 131/132 as alternatives although PHY 150 and PHY 151 are encouraged.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).
- Develop your **skills**.

Term 4 45 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ PHY 201: Mathematical Methods in Physics I (CS)	3	C	<ul style="list-style-type: none"> <li>• To access the requirements and the list of approved courses for Science and Society, <a href="#">click here</a>.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> </ul>
⚠ PHY 252: Physics III (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
⚠ Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)	3	C	<ul style="list-style-type: none"> <li>• Students should meet with faculty to discuss research opportunities</li> </ul>
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 314: Quantum Physics I	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)	3	C	<ul style="list-style-type: none"> <li>• The suggested list of electives are highly recommended but not required. Students who plan to take the physics GRE are encouraged to choose electives from the PHY options. There is also the option to choose an elective in other GLG, AST, SES, PHY or MAT areas as long as the subject is relevant to Astrophysics and the course is upper division. Students should consult with a SESE advisor if they have questions about which courses would satisfy this requirement.</li> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.</li> <li>• Students should meet with an advisor to do a graduation check.</li> <li>• Research <b>career opportunities</b>.</li> </ul>
★ AST 421: Astrophysics I	3	C	
Upper Division Earth and Space Exploration Astrophysics major elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AST 422: Astrophysics II	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>. In order to earn credits for an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students can talk to faculty mentors about how to find research opportunities.</li> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.</li> <li>• To access the requirements and the list of approved courses for Science and Society, <a href="#">click here</a>.</li> <li>• If not already completed, students should meet with an advisor to do a graduation check.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ SES 410: Senior Exploration Project I	3	C	
AST 498: Pro-Seminar	1	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR GLG 484: Internship OR SES 499: Individualized Instruction	3		
Elective	2		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 411: Senior Exploration Project II	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Complete 3 courses:			
Upper Division Elective	8		
Term hours subtotal:	14		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Upper Division Astrophysics major elective
GLG 404: Fundamentals of Planetary Geology
GLG OR AST OR SES OR PHY OR MAT Upper Division Elective
PHY 302: Mathematical Methods in Physics II
PHY 310: Classical Particles, Fields, and Matter I
PHY 311: Classical Particles, Fields, and Matter II
PHY 312: Mechanics and Electromagnetism
PHY 315: Quantum Physics II
PHY 361: Introductory Modern Physics

PHY 441: Statistical and Thermal Physics

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SES 311: Essentials of Astrobiology:  
Exploration for Life in the Universe

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SES 350: Engineering Systems and  
Experimental Problem Solving

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Earth and Space Exploration (Exploration Systems Design), BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASESESDBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• LIA 101 is mandatory for all incoming freshmen.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
SES 100: Introduction to Exploration (CS)	3	C	
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• Students in this major have a choice between taking SES 122 and SES 124 or SES 126 and SES 128 in their second semester. SES 122/124 has an earth-based focus and SES 126/128 has a space-based focus. Students should select the sequence that aligns best with their long-term career goals.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	4	C	
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	15		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> </ul>
 MAT 275: Modern Differential Equations (MA)	3	C	

⚠️ PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Elective	3	
⚠️ Complete First-Year Composition requirement.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).
- Develop your **skills**.

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ⚠️	Hours	Minimum Grade	Notes
⚠️ EEE 202: Circuits I	4	C	
⚠️ MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	
CHM 114: General Chemistry for Engineers (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
⚠️ Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		

- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SES 330: Practical Electronics and Instrumentation	4	C	
★ SES 350: Engineering Systems and Experimental Problem Solving	3	C	
CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	16		

- Students should start meeting with faculty advisor to discuss research opportunities.
- To access the requirements and the list of approved courses for Science and Society, [click here](#).

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SES 405: Exploration Systems Engineering	3	C	
Upper Division Exploration Systems Design Concentration Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.
- Students should meet with an advisor to do a graduation check.
- To access the requirements and the list of approved courses for Science and Society, [click here](#).
- Research **career opportunities**.

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SES 410: Senior Exploration Project I	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR GLG 484: Internship OR SES 499: Individualized Instruction	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- Explore a research or **internship** opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students can talk to faculty mentors about how to find research opportunities.
- Students interested in graduate school should be researching programs and preparing

application materials. Continue to meet with faculty advisor for input along the way.

- If not already completed, students should meet with an advisor to do a graduation check.
- Apply for [career opportunities](#).

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SES 411: Senior Exploration Project II	3	C	
<hr/>			
Complete 3 courses:			
Upper Division Elective	8		
<hr/>			
Elective	3		
<hr/>			
Term hours subtotal:	14		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Exploration Systems Design Concentration
Elective
AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)
AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)
GLG 321: Mineralogy
GLG 404: Fundamentals of Planetary Geology
GLG 424: Petrology
GLG 471: Hydrology
SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map






### Earth and Space Exploration (Geological Sciences), BS





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASESGSBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• LIA 101 is mandatory for all incoming freshmen.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Develop your <a href="#">skills</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
SES 130: Coding for Exploration (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• For more information on the Science and Society requirement and to access the list of approved courses, please visit <a href="#">this website</a>.</li> <li>• Students should note that upcoming capstone classes, GLG 451 (offered in spring) and GLG 452 (offered in summer), are field-based and have additional course fees.</li> </ul>
⚠ PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
⚠ Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	16		

Term 5 61 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GLG 310: Structural Geology	3	C	<ul style="list-style-type: none"> <li>• Students need two GLG branch courses (6 credits) and three upper division GLG or SES electives (9 credits). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES courses offered by the School of Earth and Space Exploration.</li> <li>• Students should meet with faculty advisor to discuss research opportunities.</li> <li>• For more information on the Science and Society requirement and to access the list of approved courses, please visit <a href="#">this website</a>.</li> <li>• Students should note that upcoming capstone classes, GLG 451 (offered in spring) and GLG 452 (offered in summer), are field-based and have additional course fees.</li> </ul>
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
GLG OR SES Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 6 77 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GLG 321: Mineralogy	3	C	<ul style="list-style-type: none"> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.</li> <li>• Research <a href="#">career opportunities</a>.</li> </ul>
★ GLG 451: Field Geology I (L)	3	C	
SES 401: Earth and Space Exploration Colloquium	1	C	
GLG OR SES Upper Division Elective	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	13		

Summer 6 90 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GLG 452: Field Geology II (L)	3	C	
Term hours subtotal:	3		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division GLG Branch Courses	3	C	<ul style="list-style-type: none"> <li>Explore a research or <b>internship</b> opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students should talk to faculty mentors about how to find research opportunities.</li> <li>Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.</li> <li>Apply for <b>career opportunities</b>.</li> </ul>
GLG OR SES Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR GLG 484: Internship OR GLG 499: Individualized Instruction OR SES 499: Individualized Instruction	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division GLG Branch Courses	3	C	
Complete 3 courses:	8		
Upper Division Elective			
Elective	1		
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

GLG Branch Courses
GLG 362: Geomorphology
GLG 418: Geophysics
GLG 424: Petrology
GLG 430: Paleontology
GLG 435: Sedimentology
GLG 471: Hydrology
GLG 481: Geochemistry

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Economics, BS





School/College: The College of Liberal Arts and Sciences




Location: Tempe campus



LAECNBS




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• LIA 101 is required of all freshman students.</li> <li>• Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.</li> <li>• Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142</li> <li>• Students considering graduate work in economics should choose MAT 270 or prerequisite course.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 210: Brief Calculus (MA)	3-4	C	<ul style="list-style-type: none"> <li>• Students considering graduate work in economics should select MAT 270 instead of MAT 210.</li> <li>• Select your <b>career interest area</b> and play the game <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14-15		


Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4.</li> <li>• Students considering graduate work in economics should select MAT 271 instead of MAT 211.</li> <li>• Many upper division related area courses have prerequisites that can be completed as electives in terms 3, 4, and 5.</li> <li>• Visit the <b>Career and Professional Development Center</b> to identify networking opportunities and to seek career planning assistance.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 211: Mathematics for Business Analysis	3-4	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15-16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4.</li> <li>Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately.</li> <li>Attend career related workshops and <b>meet</b> with a career counselor to discuss professional goals.</li> </ul>
 ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3	C	
Global Awareness (G)	3	C	
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 312: Intermediate Microeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>Students with credit for ECN 214 should not take ECN 312. Replace that course with an additional ECN upper-division elective (SB).</li> </ul>
ECN Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Related Area Course	3	C	
Elective	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>Students with credit for ECN 213 should not take ECN 313. Replace that course with an additional ECN upper-division elective.</li> <li>Complete an <b>internship</b> to develop job-related skills and connections.</li> <li>Use Handshake to research <b>employment opportunities</b></li> </ul>
ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C	
Related Area Course	3	C	
Upper Division Elective	3	C	
Elective	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 4** Elective	3	C	<ul style="list-style-type: none"> <li>Attend a <b>career</b> or <b>graduate</b> education fair.</li> </ul>
ECN Upper Division Elective	3	C	
Upper Division Elective OR LIA 484: Internship OR ECN 484: Internship	3	C	
Complete 2 courses:			
Upper Division Elective	6	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 475: Capstone in Economics (L)	3	C	<ul style="list-style-type: none"> <li>Finalize future educational or <b>career</b> plans.</li> </ul>
ECN 4** Elective	3	C	
Complete 2 courses:			
Upper Division Elective	6	C	
Elective	3	C	

Term hours subtotal: 15

- Students must earn a C or better in all related area courses. Many upper division related area courses have prerequisites that can be completed as electives.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses
ACC Elective
AGB Upper Division Elective
ASB Upper Division Elective
CIS Elective
ENG 301: Writing for the Professions (L)
FIN Upper Division Elective
GCU Upper Division Elective
GIS Upper Division Elective
HPS Upper Division Elective
HST Upper Division Elective
LES Upper Division Elective
LIA 484: Internship
MAT Upper Division Elective
MKT Upper Division Elective
NLM Upper Division Elective
PAF Elective
PHI Upper Division Elective
POS Upper Division Elective
PSY 304: Effective Thinking (L)
PSY 350: Social Psychology (SB)
PSY 4** Elective
PUP Upper Division Elective
REA Upper Division Elective
SCM Upper Division Elective
SGS Upper Division Elective

SOC 324: Work and the Workplace (SB & H)

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SOC 331: Environmental Sociology (SB & G)

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SOC 333: Population (SB & G)

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SOC 339: Grassroots Social Movements (SB)

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SOC 350: Inequality and Diversity in  
Education (L & C)

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SOC 352: Social Change (SB & G & H)

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SOC 4\*\* Elective

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SOS Upper Division Elective

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STP Upper Division Elective

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USL 410: Service Learning: Diverse  
Community Issues (L & C)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

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**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Economics, BS



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)


LAECNBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>Students placing into MAT 210 should take this course in Term 1-A. If not, students should select a prerequisite course. Students should not take MAT 142.</li> <li>SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar is required of all freshmen students.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>View ASU Online first-time freshman registration information <a href="#">here</a>.</li> <li>Students may choose to complete Humanities (HU) and Historical Awareness requirements separately.</li> <li>Many upper division related area courses have prerequisites that can be completed as electives in earlier terms.</li> <li>Select your <a href="#">career interest area</a> and play <a href="#">me@ASU</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>Review the <a href="#">Career Guide for ASU Online Students</a> to learn about available career planning resources.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 26 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❖ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C
Elective	3	
Term hours subtotal:	6	

- Many upper division related area courses have prerequisites that can be completed as electives in earlier terms.
- Register for a [Handshake](#) account and participate in [virtual career advising](#).

Term 3 - B 32 - 38 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MAT 211: Mathematics for Business Analysis	3	C	
Elective	3		
❖ Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 44 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Elective	3		
Term hours subtotal:	6		

- Many upper division related area courses have prerequisites that can be completed as electives in earlier terms.
- Create a first-draft [resume](#).

Term 4 - B 44 - 50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		

- Develop your [professional online presence](#).
- Network in your career interest area.

Term 5 - A 50 - 57 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

- Humanities and Cultural Diversity in the U.S. requirements may be completed separately.

Term 5 - B 57 - 63 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

- View [career webinars](#) offered by Career and Professional Development Center.

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ECN Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	• Gather professional references.
Upper Division Elective	3		

Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 410: Applied Regression Analysis and Forecasting	3	C	• Expand, refine and polish your resume.
Related Area Course	3	C	

Term hours subtotal: 6

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 4** Elective	3	C	• Explore an internship. • Complete a virtual practice interview.
Upper Division Elective	3		

Term hours subtotal: 6

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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Related Area Course	3	C
Upper Division Elective	3	

Term hours subtotal: 6

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 4** Elective	3	C
Elective	3	

Term hours subtotal: 6

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
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ECN Upper Division Elective	3	C	• Use Handshake to research employment opportunities.
Upper Division Elective	3		

Term hours subtotal: 6

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 475: Capstone in Economics (L)	3	C	• Apply for full-time career opportunities.
Upper Division Elective	3		

Term hours subtotal: 6

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3	
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Term hours subtotal: 3

- Students must earn a C or better in all related area courses. Many upper division related area courses have prerequisites that can be completed as electives.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses
ACC Elective
AGB Upper Division Elective
ASB Upper Division Elective
CIS Elective
ENG 301: Writing for the Professions (L)
FIN Upper Division Elective
GCU Upper Division Elective
GIS Upper Division Elective
HST Upper Division Elective
LES Upper Division Elective
MAT Upper Division Elective
MKT Upper Division Elective
PAF Elective
PHI Upper Division Elective
POS Upper Division Elective
PSY 304: Effective Thinking (L)
PSY 350: Social Psychology (SB)
PSY 4** Elective
PUP Upper Division Elective
SCM Upper Division Elective
SGS Upper Division Elective
SOC 324: Work and the Workplace (SB & H)
SOC 4** Elective
SOS Upper Division Elective

**Notes:**



- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Economics (Politics and the Economy), BS





School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAECNPECBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• LIA 101 is required of all freshman students.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142.</li> <li>• Students considering graduate work in economics should choose MAT 270 or prerequisite course.</li> <li>• Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 210: Brief Calculus (MA)	3-4	C	<ul style="list-style-type: none"> <li>• Students considering graduate work in economics should select MAT 270 instead of MAT 210.</li> <li>• Select your <b>career interest area</b> and play the game <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	4		
Term hours subtotal:	14-15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4.</li> <li>• Students considering graduate work in economics should select MAT 271 instead of MAT 211.</li> <li>• Visit the <b>Career and Professional Development Center</b> to identify networking opportunities and to seek career planning assistance.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 211: Mathematics for Business Analysis	3-4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	5		
 Complete First-Year Composition requirement. Complete Mathematics (MA) requirement.			
Term hours subtotal:	15-16		

		Minimum	
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Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
⚠ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4.</li> <li>Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately.</li> <li>Students may choose to combine the Global Awareness (G) with a concentration elective or ECN upper-division course.</li> <li>Attend career related workshops and <b>meet</b> with a career counselor.</li> </ul>
⚠ ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>Students with credit for ECN 214 should not take ECN 312. Replace that course with an additional ECN upper-division elective (SB).</li> <li>Join <b>Handshake</b> and research career and internship opportunities.</li> </ul>
ECN Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Concentration Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>Students with credit for ECN 213 should not take ECN 313. Replace that course with an additional ECN upper-division elective.</li> <li>Complete an <b>internship</b> to develop job-related skills and connections.</li> <li>Use Handshake to research <b>employment opportunities</b></li> </ul>
★ ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy	3	C	
Concentration Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy	3	C	<ul style="list-style-type: none"> <li>Attend a <b>career</b> or <b>graduate</b> education fair.</li> </ul>
ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C	
POS 348: Do You Want to Build a Nation? (L)	3	C	
Upper Division Elective OR LIA 484: Internship OR ECN 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L)	3	C	<ul style="list-style-type: none"> <li>Finalize future educational or <b>career</b> plans.</li> </ul>

ECN 345: Survey of Environmental and Resource Economics OR ECN 355: Economics of Healthcare OR ECN 445: Environmental Economics OR ECN 455: Health Economics	3	C
Concentration Elective	3	C
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	15	

- Complete a minimum of three concentration electives. Concentration areas include U.S. Government, Politics, and Law. Select three courses from one area or select two from one area and a third from a different area.

Hide Course List(s)/Track Group(s)

Politics Concentration Electives	Law Concentration Electives	U.S. Government Concentration Electives
POS 150: Comparative Government (SB & G) or POS 350: Comparative Politics (SB & G)	POS 270: American Legal System (SB)	POS 110: American Government and Politics (SB) or POS 310: American National Government (SB)
POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G)	POS 313: The Congress (SB)	POS 216: State and Local Government (SB)
POS 210: Political Ideologies (SB)	POS 315: The Supreme Court (SB)	POS 230: Current Issues in National Politics (L or SB)
POS 240: Introduction to Southeast Asia ((HU or SB) & G)	POS 368: Ethics and Human Rights	POS 270: American Legal System (SB)
POS 247: Introduction to Latin American Politics (SB & G)	POS 370: Law and Society (SB)	POS 313: The Congress (SB)
POS 260: Current Issues in International Politics ((L or SB) & G)	POS 465: International Organization and Law (SB & G)	POS 314: The American Presidency (SB)
POS 300: Contemporary Global Controversies (SB & G)	POS 471: Constitutional Law I (SB)	POS 315: The Supreme Court (SB)
POS 301: Empirical Political Inquiry (SB)	POS 472: Constitutional Law II (SB)	POS 410: Governing American Cities (SB)
POS 331: Public Opinion (SB)	POS 480: Global Justice (G)	
POS 332: American Political Parties (SB)		
POS 336: Voters in America (SB)		
POS 339: Grassroots Social Movements (SB)		
POS 346: Problems of Democracy (HU)		
POS 352: European Democracies		
POS 353: Comparative Politics of the Middle East		
POS 356: European Union (SB & G)		
POS 361: American Foreign Policy (SB & G)		
POS 364: National Security, Intelligence, and Terrorism (SB)		
POS 367: World Politics and Global Inequalities (G)		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### English, BA



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)



LAENGBA

#### **FT** Fast Track Option: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.


Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Math Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or College specific equivalent First Year Seminar is required for all freshman students.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		



Term 2 - B 20 - 28 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	8		



Term 3 - A 28 - 35 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Term hours subtotal:	7	



Term 3 - B 35 - 42 Credit Hours	Hours	Minimum Grade	Notes
ENG Elective	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 42 - 49 Credit Hours	Hours	Minimum Grade	Notes
ENG Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)			
	4	C	
Term hours subtotal:	7		• Explore an <a href="#">internship</a>

Term 4 - B 49 - 55 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		

Term 5 - A 55 - 61 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ENG Elective	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - B 61 - 67 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ENG Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - A 67 - 73 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ENG course (HU)	3	C	
ENG Upper Division Elective	3	C	
Term hours subtotal:	6		• Research <a href="#">employment opportunities</a>

Term 6 - B 73 - 79 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
ENG course (HU)	3	C	
ENG Upper Division Elective	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 6

Term 7 - A 79 - 85 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 7 - B 85 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: ENG Upper Division Elective	6	C	• Apply for full-time career opportunities
Term hours subtotal:	6		

Term 8 - A 91 - 97 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division ENG course (L)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 97 - 103 Credit Hours	Hours	Minimum Grade	Notes
ENG Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 103 - 109 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ENG Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 109 - 115 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 10 - A 115 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	2		
Term hours subtotal:	5		

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.



**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### English (Creative Writing), BA





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAENG CBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• 3.00 GPA in English courses beyond first-year composition courses required</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>• 3.00 GPA in English courses beyond first-year composition courses required</li> <li>• Develop your <b>skills</b></li> </ul>
 ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction	3	C	<ul style="list-style-type: none"> <li>• 3.00 GPA in English courses beyond first-year composition courses required</li> </ul>
American Literature Course - 200 level or above	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice OR ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice	3	C	<ul style="list-style-type: none"> <li>• 3.00 GPA in English courses beyond first-year composition courses required</li> <li>• Explore an <b>internship</b></li> </ul>
American Literature Course - 200 level or above	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ENG 487: Advanced Creative Writing Workshop in Poetry OR ENG 488: Advanced Creative Writing Workshop in Fiction	3	B	<ul style="list-style-type: none"> <li>• 3.25 GPA in English courses beyond first-year composition courses required</li> <li>• Research <b>employment opportunities</b></li> </ul>
Complete 2 courses: 3** 300 Level Literary Study Course	6	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.25 GPA in ENG.			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ENG 498: Capstone Fiction (L) OR ENG 498: Capstone Poetry (L)	3	B	<ul style="list-style-type: none"> <li>• 3.25 GPA in English courses beyond first-year composition courses required</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
★ 4** 400 Level Literary Studies Course	3	C	
ENG Upper Division Elective OR ENG 484: Internship	3	C	
ENG Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ 4** 400 Level Literary Studies Course	3	C	

ENG Upper Division Elective	3	C
<hr/>		
Complete 2 courses: Upper Division Elective	6	
<hr/>		
Elective	3	
<hr/>		
Minimum 3.25 GPA in ENG.		
<hr/>		
Term hours subtotal:	15	

- 3.25 GPA in English courses beyond first-year composition courses required.

Hide Course List(s)/Track Group(s)

American Literature at 2** level and above	300 Level Literary Study Course	400 Level Literary Study Course
ENG 241: Literatures of the United States to 1860 (L or HU) & C)	ENG 303: Classical Backgrounds of English Literature (HU)	ENG 400: History of Literary Criticism (L or HU), History of Critical Theory (L or HU)
ENG 242: Literatures of the United States, 1860 to Present (HU)	ENG 315: Medieval Literature in Translation (HU)	ENG 401: Topics in Critical Theory
ENG 333: American Ethnic Literature ((L or HU) & C)	ENG 321: Shakespeare (L or HU)	ENG 415: Studies in Medieval Literature and Culture (HU)
ENG 335: American Poetry	ENG 325: Restoration and the 18th Century	ENG 416: Chaucer in Middle English (HU)
ENG 337: Major American Novels (L or HU)	ENG 326: English Drama 1660-1800 (HU)	ENG 418: Renaissance Literature (L or HU), Love, Lust and Desire in Renaissance England (L or HU)
ENG 345: American Losers , Noir Fiction and Film , Prison Literature	ENG 328: The Novel to Jane Austen (HU & H)	ENG 421: Studies in Shakespeare (L or HU)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ENG 329: 19th-Century British Fiction (L or HU)	ENG 422: Special Topics in Shakespeare (HU)
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)	ENG 330: 19th-Century British Poetry	ENG 423: Renaissance Drama (L or HU)
ENG 359: Indigenous American Literature ((L or HU) & C)	ENG 333: American Ethnic Literature ((L or HU) & C)	ENG 424: Milton (HU)
ENG 360: Western American Literature (L or HU)	ENG 335: American Poetry , Modernist Poetry , Slam Poetry	ENG 425: Studies in Romanticism (HU)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	ENG 338: Protest Literature	ENG 426: British Culture and Empire , Self, Other and Monster at the Fin de Siecle
ENG 434: Studies in the Literature and Culture of the Americas (HU & C)	ENG 342: 20th-Century British and Irish Literature (HU)	ENG 427: Studies in 18th-Century Literature and Culture (HU)
ENG 440: Studies in American Literature and Culture (HU)	ENG 345: American Losers , Noir Fiction and Film , Prison Literature	ENG 429: Politics & Culture in European Short Fiction ((L or HU) & G & H)
ENG 445: Studies in American Realism (L or HU)	ENG 352: Short Story (L or HU)	ENG 430: Studies in Victorian Literature and Culture (L or HU), Darwin (L or HU), Unwholesome Victorian Literature (L or HU)
ENG 457: Studies in American Poetry (HU)	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ENG 434: Spies and Hackers (HU & C)
ENG 458: Latina/o Literature ((L or HU) & C)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)	ENG 435: Literatures and Cultures of Immigration and Diaspora
	ENG 355: European Dramatic Traditions (L or HU)	ENG 436: Studies in Anglophone Literature and Culture , Carnivores, Cannibals, and Consumerism , Postcolonial Studies , Writing & Rewriting Empire (and Its Aftermath)
	ENG 356: The Bible as Literature (HU)	ENG 437: The American Novel, 1900 - 1960 (L or HU)
	ENG 359: Indigenous American Literature ((L or HU) & C)	

ENG 360: Western American Literature (L or HU)	ENG 440: Studies in American Literature and Culture (HU), Sexuality (HU)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	ENG 442: Studies in 20th-Century British and Irish Literature and Culture
ENG 364: Jane Austen (HU)	ENG 445: Studies in American Realism (L or HU)
ENG 369: Science Fiction Studies , Intro to Science Fiction , Red Mirror: The Literature of Mars	ENG 447: Experimental Narrative
ENG 400: History of Literary Criticism (L or HU)	ENG 448: Studies in Irish Literature and Culture (HU)
ENG 401: Topics in Critical Theory	ENG 452: Studies in the Novel (HU)
ENG 415: Studies in Medieval Literature and Culture (HU)	ENG 453: Studies in the American Novel (HU)
ENG 416: Chaucer in Middle English (HU)	ENG 455: Contemporary Women Writers
ENG 418: Renaissance Literature (L or HU), Love, Lust and Desire in Renaissance England (L or HU)	ENG 457: Studies in American Poetry (HU)
ENG 421: Studies in Shakespeare (L or HU)	ENG 458: Latina/o Literature ((L or HU) & C)
ENG 422: Special Topics in Shakespeare (HU)	ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G)
ENG 423: Renaissance Drama (L or HU)	ENG 461: Studies in Women and Literature (HU)
ENG 424: Milton (HU)	ENG 465: Studies in Film
ENG 425: Studies in Romanticism (HU)	ENG 469: Science and Literature (L or HU)
ENG 426: British Culture and Empire , Self, Other and Monster at the Fin de Siecle	ENG 470: Symbols and Archetypes in Children's Literature (L or HU)
ENG 427: Studies in 18th-Century Literature and Culture (HU)	ENG 471: Literature for Young Adults (HU)
ENG 429: Politics & Culture in European Short Fiction ((L or HU) & G & H)	ENG 476: Studies in Folklore ((L or HU or SB) & C), The Legend ((L or HU or SB) & C)
ENG 430: Studies in Victorian Literature and Culture (L or HU), Darwin (L or HU), Unwholesome Victorian Literature (L or HU)	ENG 478: Studies in Modernism (L or HU)
ENG 434: Spies and Hackers (HU & C)	ENG 479: Studies in Postmodernism (HU & G), Postmodernism (HU & G)
ENG 435: Literatures and Cultures of Immigration and Diaspora	
ENG 436: Studies in Anglophone Literature and Culture , Carnivores, Cannibals, and Consumerism , Postcolonial Studies , Writing & Rewriting Empire (and Its Aftermath)	
ENG 437: The American Novel, 1900 - 1960 (L or HU)	
ENG 440: Studies in American Literature and Culture (HU)	

ENG 442: Studies in 20th-Century British and Irish Literature and Culture

ENG 445: Studies in American Realism (L or HU)

ENG 447: Experimental Narrative

ENG 448: Studies in Irish Literature and Culture (HU)

ENG 452: Studies in the Novel (HU)

ENG 453: Studies in the American Novel (HU)

ENG 455: Contemporary Women Writers

ENG 457: Studies in American Poetry (HU)

ENG 458: Latina/o Literature ((L or HU) & C)

ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G)

ENG 461: Native American Literature (HU)

ENG 465: Studies in Film

ENG 469: Science and Literature (L or HU)

ENG 470: Symbols and Archetypes in Children's Literature (L or HU)

ENG 471: Literature for Young Adults (HU)

ENG 476: Studies in Folklore ((L or HU or SB) & C), The Legend ((L or HU or SB) & C)

ENG 478: Studies in Modernism (L or HU)

ENG 479: Studies in Postmodernism (HU & G), Postmodernism (HU & G)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### English (Linguistics), BA





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAENG NBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest</b> area and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		



Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
 ENG 213: Introduction to the Study of Language OR SLC 201: Introduction to Linguistics (HU or SB)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			





Maintain 2.00 GPA in Major Courses.





Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar	3	C	• Explore an <b>internship</b>
ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 (L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar	3	C	• A minimum of 18 upper division hours is required in the major, 12 of which must be taken in courses offered by the College of Liberal Arts and Sciences.
ENG Elective	3	C	
Course taught in a language other than English beyond the 202 level (greater than 314 for POR or ROM) OR introductory course in a third language (not English)	3	C	
Upper Division Elective	3		
Elective	3		

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar	3	C	• A minimum of 18 upper division hours is required in the major, 12 of which must be taken in courses offered by the College of Liberal Arts and Sciences. • Research <b>employment opportunities</b>
 ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics	3	C	
ENG 413: History of English Language (HU)	3	C	
Complete 2 courses: Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 403: Semantics OR ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics	3	C	• A minimum of 18 upper division hours is required in the major, 12 of which must be taken in courses offered by the College of Liberal Arts and Sciences. • Apply for <b>full-time career opportunities</b>
ENG Upper Division Elective	3	C	
ENG Upper Division Elective OR ENG 484: Internship	3	C	

Complete 2 courses:

Elective 6

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 403: Semantics OR ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics	3	C	• A minimum of 18 upper division hours is required in the major, 12 of which must be taken in courses offered by the College of Liberal Arts and Sciences.
Complete 3 courses:	9		
Upper Division Elective	3		
Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

#### Hide Course List(s)/Track Group(s)

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### English (Literature), BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)



LAENGTBA



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		


Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
ENG Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement. Maintain 2.00 GPA in Major Courses.			

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Literature Areas and Periods Course	3	C	<ul style="list-style-type: none"> <li>• Students choose at least one course in each of the four Areas and Periods course tracks. At least two courses must be completed at the 400-level.</li> <li>• Explore an <b>internship</b></li> </ul>
ENG Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	2		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:		16	

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Literature Areas and Periods Course	3	C	<ul style="list-style-type: none"> <li>• Students choose at least one course in each of the four Areas and Periods course tracks. At least two courses must be completed at the 400-level.</li> </ul>
Upper Division ENG course (L)	3	C	
Complete 2 courses: ENG Elective	6	C	
Upper Division Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:		15	

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ENG Upper Division Elective OR ENG 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Research <b>employment opportunities</b></li> </ul>
ENG course (HU)	3	C	
Complete 3 courses: Upper Division Elective	9		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:		15	

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 4** Literature Areas and Periods Course	3	C	<ul style="list-style-type: none"> <li>• Students choose at least one course in each of the four Areas and Periods course tracks. At least two courses must be completed at the 400-level.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
ENG Upper Division Elective	3	C	
ENG course (HU)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C	
Upper Division Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 4** Literature Areas and Periods Course	3	C	<ul style="list-style-type: none"> <li>• Students choose at least one course in each of the four Areas and Periods course tracks. At</li> </ul>
ENG Upper Division Elective	3	C	

Complete 3 courses:  
Upper Division Elective

9

least two courses must be completed at the 400-level.

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

- Students choose at least one course in each of the four Areas and Periods course tracks. At least two courses must be completed at the 400-level.

Hide Course List(s)/Track Group(s)

Literature and Culture After 1800	Literary Theory and Interdisciplinary Studies	Transnational, Postcolonial, and Global Lit
ENG 204: Topics in Contemporary Literature (HU)	ENG 205: Introduction to Writing, Rhetorics and Literacies (L)	ENG 316: Literary Readings of the Hebrew Bible (L or HU)
ENG 222: Survey of English Literature (HU & H)	ENG 400: History of Literary Criticism (L or HU)	ENG 347: Modern Israeli Literature in Translation (HU & G)
ENG 242: Literatures of the United States, 1860 to Present (HU)	ENG 401: Topics in Critical Theory	ENG 359: Indigenous American Literature ((L or HU) & C)
ENG 245: Popular Culture Issues (L)	ENG 434: Studies in the Literature and Culture of the Americas (HU & C)	ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)
ENG 329: 19th-Century British Fiction (L or HU)	ENG 435: Literatures and Cultures of Immigration and Diaspora	ENG 429: Studies in European Literature and Culture ((L or HU) & G & H)
ENG 330: 19th-Century British Poetry	ENG 436: Postcolonial Studies	ENG 434: Studies in the Literature and Culture of the Americas (HU & C), Nobel Laureates (HU & C), Spies and Hackers (HU & C)
ENG 333: American Ethnic Literature ((L or HU) & C)	ENG 469: Science and Literature (L or HU)	
ENG 335: American Poetry , Slam Poetry	ENG 472: Rhetorical Studies (L)	
ENG 337: Major American Novels (L or HU)	ENG 476: Studies in Folklore ((L or HU or SB) & C)	ENG 435: Literatures and Cultures of Immigration and Diaspora
ENG 338: Protest Literature		ENG 436: Studies in Anglophone Literature and Culture , Carnivores, Cannibals, and Consumerism , Postcolonial Studies
ENG 342: 20th-Century British and Irish Literature (HU)		ENG 457: Indigenous Poetry (HU)
ENG 345: American Losers , Noir Fiction and Film , Prison Literature		ENG 458: Latina/o Literature ((L or HU) & C)
ENG 347: Modern Israeli Literature in Translation (HU & G)		
ENG 352: Short Story (L or HU)		
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)		
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)		
ENG 359: Indigenous American Literature ((L or HU) & C)		
ENG 360: Western American Literature (L or HU)		

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

ENG 364: Women and Literature (HU)

ENG 367: Environmental Issues in Literature and Film (L or HU)

ENG 369: Science Fiction Studies

ENG 426: British Culture and Empire , Self, Other and Monster at the Fin de Siecle

ENG 429: Studies in European Literature and Culture ((L or HU) & G & H)

ENG 430: Studies in Victorian Literature and Culture (L or HU), Darwin (L or HU)

ENG 434: Studies in the Literature and Culture of the Americas (HU & C), Nobel Laureates (HU & C), Spies and Hackers (HU & C)

ENG 435: Literatures and Cultures of Immigration and Diaspora

ENG 436: Studies in Anglophone Literature and Culture , Carnivores, Cannibals, and Consumerism , Postcolonial Studies

ENG 440: Studies in American Literature and Culture (HU)

ENG 442: Studies in 20th-Century British and Irish Literature and Culture , Britains Angry Decades: Lit/Culture 1945-65

ENG 445: Studies in American Realism (L or HU)

ENG 447: Experimental Narrative

ENG 448: Studies in Irish Literature and Culture (HU)

ENG 452: Studies in the Novel (HU)

ENG 457: Indigenous Poetry (HU)

ENG 458: Latina/o Literature ((L or HU) & C)

ENG 461: Studies in Women and Literature (HU)

ENG 465: Studies in Film

ENG 469: Science and Literature (L or HU)

ENG 470: Symbols and Archetypes in Children's Literature (L or HU)

ENG 471: Literature for Young Adults (HU)

Literature and Culture Before 1800

ENG 201: World Literature (HU & H & G)

ENG 202: World Literature (HU & H)

ENG 221: Survey of English Literature (HU)

ENG 241: Literatures of the United States to 1860 ((L or HU) & C)

ENG 303: Classical Backgrounds of English Literature (HU)

ENG 315: Medieval Literature in Translation (HU)

ENG 316: Literary Readings of the Hebrew Bible (L or HU)

ENG 321: Shakespeare (L or HU)

ENG 325: Restoration and the 18th Century

ENG 326: English Drama 1660-1800 (HU)

ENG 328: The Novel to Jane Austen (HU & H)

ENG 415: Studies in Medieval Literature and Culture (HU)

ENG 416: Chaucer in Middle English (HU)

ENG 418: Renaissance Literature (L or HU)

ENG 421: Studies in Shakespeare (L or HU)

ENG 422: Special Topics in Shakespeare (HU)

ENG 423: Renaissance Drama (L or HU)

ENG 424: Milton (HU)

ENG 425: Studies in Romanticism (HU)

ENG 427: Studies in 18th-Century Literature and Culture (HU)

ENG 476: Studies in Folklore ((L or HU or SB) & C)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### English (Secondary Education), BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAENGSEBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Teachers College Clinical Experience Requirement: Apply for Department of Public Safety <b>Identity Verified Print (IVP) Fingerprint Clearance Card</b>.</li> </ul>
ENG 221: Survey of English Literature (HU & H) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ENG 213: Introduction to the Study of Language	3	C	• Must attend Teachers College orientation prior to registering for education courses in Term 5.
ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 311: Persuasive Writing (L)	3	C	
Complete 2 courses: ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	6	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
❖ Minimum 2.50 GPA ASU Cumulative.			
Milestone: Complete online Intent to Progress form (meet with advisor). Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	16		

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	Y	• During your clinical experiences, you will work alongside an intern mentor teacher, in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 5-8.
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
★ Ethnic or Women's Literature Course	3	C	
ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	2		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	• Research employment opportunities
ENG 321: Shakespeare (L or HU) OR ENG 421: Studies in Shakespeare (L or HU) OR ENG 422: Special Topics in Shakespeare (HU)	3	C	
★ ENG 480: Methods of Teaching English: Composition (L)	3	C	
★ SED 397: Clinical Experience II	1	Y	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 471: Literature for Young Adults (HU)	3	C	<ul style="list-style-type: none"> <li>• All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.</li> <li>• Students seeking teacher certification must pass required <b>educator exams</b>. Please speak with your Teachers College Advisor to plan appropriately.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
★ ENG 482: Methods of Teaching English: Language (L)	3	C	
★ ENG 486: Teaching Text	3	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

Ethnic or Women's Literature

ENG 333: American Ethnic Literature ((L or HU) & C)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 359: Indigenous American Literature ((L or HU) & C)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

ENG 364: Women and Literature (HU)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### English (Writing, Rhetorics and Literacies), BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAENGWBA



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		




Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
ENG Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

Maintain 2.00 GPA in Major Courses.





Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 205: Introduction to Writing, Rhetorics and Literacies (L)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		


Term hours subtotal: 16

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• At least 12 of the upper division hours required in the major must be taken in courses offered by the College of Liberal Arts and Sciences.</li> <li>• ENG electives must be taken at the 200 level or above.</li> </ul>
 ENG 390: Methods of Inquiry (L) OR ENG 391: Writing in Context OR ENG 392: History of Rhetorical Theory OR ENG 393: Theories of Literacy	6	C	
 Upper Division Directed Elective	3	C	
ENG Elective	3	C	
Upper Division Elective	3		
Maintain 2.00 GPA in Major Courses.			

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• At least 12 of the upper division hours required in the major must be taken in courses offered by the College of Liberal Arts and Sciences.</li> <li>• Research <b>employment opportunities</b></li> </ul>
 ENG 390: Methods of Inquiry (L) OR ENG 391: Writing in Context OR ENG 392: History of Rhetorical Theory OR ENG 393: Theories of Literacy	6	C	
 Upper Division Directed Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• At least 12 of the upper division hours required in the major must be taken in courses offered by the College of Liberal Arts and Sciences.</li> <li>• The required ENG 484 internship may be taken in either term 7 or term 8.</li> <li>• ENG electives must be taken at the 200 level or above.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
Upper Division Directed Elective	6	C	
ENG Elective	3	C	
<i>Complete 2 courses:</i>			
Upper Division Elective	6		
Maintain 2.00 GPA in Major Courses.			

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 484: Internship	3	C	<ul style="list-style-type: none"> <li>• At least 12 of the upper division hours required in the major must be taken in courses offered by the College of Liberal Arts and Sciences.</li> <li>• The required ENG 484 internship may be taken in either term 7 or term 8.</li> </ul>
★ Upper Division Directed Elective	3	C	
Upper Division Elective	3		
Complete 2 courses:			
Elective	6		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:		15	

#### Hide Course List(s)/Track Group(s)

Directed Electives
ENG 301: Writing for the Professions (L)
ENG 311: Persuasive Writing (L)
ENG 317: Cross-Cultural Writing ((L or HU) & G)
ENG 338: Protest Literature
ENG 370: Science, Values, and the Public
ENG 371: Rhetoric of the Environmental Movement
ENG 472: Rhetorical Studies (L)

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map

### Family and Human Development, BS





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAFASBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FAS 101: Personal Growth in Human Relationships (SB) OR CDE 232: Human Development (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• This degree requires completion of MAT 142 with a grade of C or better. Transfer students who have not completed a math course directly equivalent to an ASU course meeting the requirement will be required to take an additional math course.</li> <li>• Select a <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
PSY OR SOC Elective	3	C	
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FAS 101: Personal Growth in Human Relationships (SB) OR CDE 232: Human Development (SB)	3	C	<ul style="list-style-type: none"> <li>• <a href="#">Network</a> in your career interest area</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
<i>Complete 2 courses:</i> Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
CLAS Science and Society Elective	3	C	
FAS Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❗ STP 226: Elements of Statistics (CS) OR PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS)	3	C	• Explore an internship.
PSY OR SOC Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FAS 361: Research Methods (L or SB) OR SOC 391: Research Methods (L or SB)	3	C	
FAS 331: Marriage and Family Relationships (SB)	3	C	
FAS 370: Family Ethnic and Cultural Diversity (SB & C)	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division FAS OR CDE Elective	3	C	• Research employment opportunities.
Upper Division CLAS Science and Society Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division FAS OR CDE Elective	3	C	• Gather professional references.
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	12		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division FAS OR CDE Elective	3	C	• Apply for full-time career opportunities.
Complete 2 courses: Upper Division Elective	6		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to

simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

CDE Electives	FAS Electives
CDE 312: Adolescence (SB)	FAS 264: Gender and Society (SB & C)
CDE 337: Early Childhood Intervention	FAS 301: Introduction to Parenting
CDE 338: Child Development Practicum	FAS 324: Work and the Workplace (SB & H)
CDE 418: Aging and the Life Course (SB & H)	FAS 332: Human Sexuality (SB)
CDE 430: Infant/Toddler Development in the Family (SB)	FAS 390: Supervised Research Experience
CDE 450: Child Dysfunction in the Family	FAS 435: Advanced Marriage and Family Relationships (L or SB)
	FAS 440: Fundamentals of Marriage and Family Therapy
	FAS 484: Internship

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Family and Human Development, BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)

LAFASBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR FAS 101: Personal Growth in Human Relationships (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First Year Seminar is required for all freshman students</li> <li>• Select a <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
PSY OR SOC Elective	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR FAS 101: Personal Growth in Human Relationships (SB)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• This degree requires completion of MAT 142 with a grade of C or better. Transfer students who have not completed a math course directly equivalent to an ASU course meeting the requirement will be required to take an additional math course.</li> <li>• <a href="#">Network</a> in your career interest area</li> </ul>
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) 3 C

Elective 3

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 6

Term 4 - A 38 - 45 Credit Hours	Hours	Minimum Grade	Notes
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Humanities, Arts and Design (HU) AND Global Awareness (G) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Term hours subtotal: 7

Term 4 - B 45 - 51 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ PSY OR SOC Elective 3 C

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Term hours subtotal: 6

• Develop your skills

Term 5 - A 51 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ FAS 361: Research Methods (L or SB) OR SOC 391: Research Methods (L or SB) 3 C

FAS 331: Marriage and Family Relationships (SB) 3 C

Term hours subtotal: 6

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
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FAS 370: Family Ethnic and Cultural Diversity (SB & C) 3 C

FAS Elective 3 C

Term hours subtotal: 6

Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CDE OR FAS Upper Division Elective 3 C

Literacy and Critical Inquiry (L) 3

Term hours subtotal: 6

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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CLAS Science and Society Elective 3 C

Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

• Research employment opportunities

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CDE OR FAS Upper Division Elective 3 C

Elective 3

Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CDE OR FAS Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		• Gather professional references
Term hours subtotal:	6		
Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		
Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		
Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		• Apply for full-time career opportunities
Term hours subtotal:	6		
Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Elective	3		
Term hours subtotal:	3		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Film (Film and Media Studies), BA





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAFMSBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 100: Introduction to Film (HU)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		



Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 110: Introduction to New Media (HU) OR FMS 200: Film History ((L or HU) & H)	3	C	<ul style="list-style-type: none"> <li>• Students must complete FMS 110 and FMS 200 in terms 2 and 3</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 110: Introduction to New Media (HU) OR FMS 200: Film History ((L or HU) & H)	3	C	<ul style="list-style-type: none"> <li>• Students must complete FMS 110 and FMS 200 in terms 2 and 3</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			









Maintain 2.50 GPA in Critical Tracking Courses.


Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS Elective	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Maintain 2.50 GPA in Critical Tracking Courses.			

Term hours subtotal: 16

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 300: Television and Cultural Studies (L or HU) OR FMS 380: Race and Gender in American Film (HU & C)	3	C	<ul style="list-style-type: none"> <li>• All FMS majors are required to take one course from each of four emphasis areas. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.</li> </ul>
 Upper Division Major Emphasis Area	3	C	
FMS Elective	3	C	
Upper Division Elective	3		
Elective	2		
Term hours subtotal: 14			

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 300: Television and Cultural Studies (L or HU) OR FMS 380: Race and Gender in American Film (HU & C)	3	C	<ul style="list-style-type: none"> <li>• All FMS majors are required to take one course from each of four emphasis areas. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.</li> <li>• Research <b>employment opportunities</b></li> </ul>
 Upper Division Major Emphasis Area	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Elective	3		
Term hours subtotal: 16			

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Major Emphasis Area	3	C	<ul style="list-style-type: none"> <li>• All FMS majors are required to take one course from each of four emphasis areas. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
 FMS Upper Division Elective	3	C	
FMS Upper Division Elective OR FMS 484: Internship	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal: 15			

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Major Emphasis Area	3	C	<ul style="list-style-type: none"> <li>• All FMS majors are required to take one course from each of four emphasis areas. Courses that</li> </ul>
Complete 2 courses:			

★ FMS Upper Division Elective	6	C
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	15	

are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.

- All FMS majors are required to take one course from each of four emphasis areas shown in the track lists below.

Hide Course List(s)/Track Group(s)

Major Emphasis Area - Media Industries	Major Emphasis Area - Media and Society	Major Emphasis Area - Screenwriting
FMS 302: U.S. Media Now	FMS 345: Asian Pacific Americans and Film (HU & C & H)	FMS 302: U.S. Media Now
FMS 351: Emerging Digital Media	FMS 349: Israeli Wars in Israeli Movies (HU & G)	FMS 309: Intermediate Screenwriting
FMS 374: American Visions: Innovators in Popular Media	FMS 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU)	FMS 340: Contemporary American Film and Popular Culture (HU)
FMS 375: LGBTV: Television and Sexuality	FMS 375: LGBTV: Television and Sexuality	FMS 409: Advanced Screenwriting
FMS 440: Los Angeles: Movies and Culture ((L or HU) & C)	FMS 377: Baseball, Film, and American Dreams	FMS 411: Screenwriting Adaptation Studies
FMS 471: Latinos In Hollywood (HU & C)	FMS 427: Identity and World Film (C)	FMS 412: Story Analysis for Film and Television
	FMS 450: Technology, Culture, and Media (HU)	
	FMS 455: Comedy as Social Discourse	
	FMS 460: Masculinity and Film (HU)	
	FMS 468: Crime and Violence in American Film (HU)	
Major Emphasis Area - Styles and Genres		
FMS 340: Contemporary American Film and Popular Culture (HU)		
FMS 351: Emerging Digital Media		
FMS 374: Francis Ford Coppola		
FMS 377: Baseball, Film, and American Dreams		
FMS 440: Los Angeles: Movies and Culture ((L or HU) & C)		
FMS 441: Global Cinema (HU & G)		
FMS 461: Film Theory and Criticism (HU)		
FMS 464: Latina/o Literature ((L or HU) & C)		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Film (Film and Media Studies), BA

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)

LAFMSBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar is required for all freshman students</li> </ul>
ASU 101-UC: The ASU Experience	1		
FMS 100: Introduction to Film (HU)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Select your <b>career interest area</b> and play <a href="#">me3@ASU</a>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - A 14 - 21 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - B 21 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 110: Introduction to New Media (HU) OR FMS 200: Film History (L or HU) & H	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 28 - 35 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

Social-Behavioral Sciences (SB) 3

Term hours subtotal: 7

Term 3 - B 35 - 41 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ FMS 110: Introduction to New Media (HU) OR FMS 200: Film History ((L or HU) & H)	3	C	<ul style="list-style-type: none"> <li>• Contact <b>Career and Professional Development Services</b> and schedule an appointment with a career advisor for assistance with career planning and networking.</li> </ul>
Elective	3		
⚠ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	6		

Term 4 - A 41 - 48 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ FMS Elective	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - A 54 - 61 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FMS 300: Television and Cultural Studies (L or HU) OR FMS 380: Race and Gender in American Film (HU & C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - B 61 - 67 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FMS 300: Television and Cultural Studies (L or HU) OR FMS 380: Race and Gender in American Film (HU & C)	3	C	<ul style="list-style-type: none"> <li>• All FMS majors are required to take one course from each of four emphasis areas shown in the track lists below. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.</li> </ul>
★ Upper Division Major Emphasis Area	3	C	
Term hours subtotal:	6		

Term 6 - A 67 - 73 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Major Emphasis Area	3	C	<ul style="list-style-type: none"> <li>• All FMS majors are required to take one course from each of four emphasis areas shown in the track lists below. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.</li> <li>• Research <b>employment opportunities</b></li> </ul>
FMS Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 73 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Major Emphasis Area	3	C	

Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

- All FMS majors are required to take one course from each of four emphasis areas shown in the track lists below. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.

Term 7 - A 79 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Major Emphasis Area

3 C

Elective

3

Term hours subtotal: 6

- All FMS majors are required to take one course from each of four emphasis areas shown in the track lists below. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.

- Gather [professional references](#).

Term 7 - B 85 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ FMS Upper Division Elective

3 C

Upper Division Elective

3

Term hours subtotal: 6

Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ FMS Upper Division Elective

3 C

Elective

3

Term hours subtotal: 6

- Create or update your [resume](#).

Term 8 - B 97 - 103 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:

Upper Division Elective

6

Term hours subtotal: 6

- Use [Handshake](#) to research employment opportunities.

Term 9 - A 103 - 109 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ FMS Upper Division Elective

3 C

Upper Division Elective

3

Term hours subtotal: 6

Term 9 - B 109 - 115 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective

3

Elective

3

Term hours subtotal: 6

- Apply for [full-time career opportunities](#).

Term 10 - A 115 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ FMS Upper Division Elective

3 C

Elective

2

Term hours subtotal: 5

- All FMS majors are required to take one course from each of four emphasis areas.

Hide Course List(s)/Track Group(s)

Major Emphasis Area - Media and Society	Major Emphasis Area - Screenwriting	Major Emphasis Area - Styles and Genres
FMS 427: Identity and World Film (C)	FMS 309: Intermediate Screenwriting	FMS 340: Contemporary American Film and Popular Culture (HU)
FMS 468: Crime and Violence in American Film (HU)	FMS 340: Contemporary American Film and Popular Culture (HU)	FMS 351: Emerging Digital Media
	FMS 409: Advanced Screenwriting	FMS 374: American Visions: Innovators in Popular Media
Major Emphasis Area - Media Industries		
FMS 351: Emerging Digital Media		
FMS 374: American Visions: Innovators in Popular Media		
FMS 471: Latinos In Hollywood (HU & C)		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map

### French, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAFREBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific First Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a placement test.</li> <li>• Learn about <b>French Language Intensive Courses</b></li> <li>• Students may opt to take FRE 110 Intensive French I (equivalent to FRE 101 and FRE 102) in term 1. This course is offered in the Fall semester.</li> <li>• Engage in <b>French</b> at ASU</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FRE 101: Elementary French I (G)	4	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Start planning your study abroad experience. Learn about faculty-directed summer programs in <a href="#">Québec, Canada</a>, and in <a href="#">Lyon, France</a>. Attend a <a href="#">Financing Your Study Abroad Program Workshop</a>.</li> <li>• Explore your <b>career interest</b> area.</li> <li>• Students may opt to take FRE 210 <b>Intensive French II</b> (equivalent to FRE 201 and FRE 202) in term 2. This course is offered in Spring only.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
FRE 102: Elementary French II (G)	4-6	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16-18		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
FRE 201: Intermediate French I (G)	4-6	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to learn about <b>internships and scholarships and awards</b> for language and culture majors.</li> <li>• French offers a huge advantage if you are interested in working for the <b>Peace Corps</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	5		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			



Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 16-18

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ SLC 202: Introduction to Literary and Cultural Theory	3	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to learn which semester or academic year study abroad program works best with your major.</li> </ul>
FRE 202: Intermediate French II (G)	4-6	C	
Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Maintain 2.33 GPA in Critical Tracking Courses.			

Term hours subtotal: 14-16

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FRE 305: Readings in French Literature (G)	3	C	<ul style="list-style-type: none"> <li>Enroll in listed courses or meet with your <b>academic advisor</b> about participating in an International Letters and Cultures endorsed <b>study abroad program</b> for your major.</li> </ul>
★ FRE 311: Oral and Written Expression I (G)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FRE 312: Oral and Written Expression II (G)	3	C	<ul style="list-style-type: none"> <li>Learn about <b>national scholarships, fellowships, and research opportunities.</b></li> <li>Explore your <b>career interest</b> area.</li> <li>Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>Use Handshake to research <b>employment opportunities</b></li> </ul>
★ FRE 321: French Cultural Masterpieces I ((L or HU) & H)	3	C	
★ Upper Division FRE Elective	3	C	
Upper Division Elective OR FRE 484: Internship	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 15

Term 7 90 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FRE 322: French Cultural Masterpieces II (L or HU)	3	C	<ul style="list-style-type: none"> <li>Enroll in listed courses or meet with your <b>academic advisor</b> about participating in an International Letters and Cultures recommended <b>study abroad program</b> for your major.</li> </ul>
★ Complete 2 courses: FRE 4** Elective	6	C	
★ ITA 101: Elementary Italian I (G)	4	C	
Upper Division Elective	3		

Term hours subtotal: 16

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: FRE 4** Elective	6	C	<ul style="list-style-type: none"> <li>Attend an <b>ASU Career Services</b> workshop or Job Fair.</li> </ul>
★ 4** SLC Required Culture Course Option	3	C	
Upper Division Elective	3		
Elective	2		

Term hours subtotal: 14

- SLC language and/or translation courses may not be used for the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

Upper Division FRE Elective	Related Area Course	SLC 400-Level Required Culture Course Option
FRE 315: French Phonetics	ARS 310: The Renaissance in Tuscany	
FRE 319: Business French (G)	ARS 414: Monasteries, Madonnas and Manuscripts (HU & H)	SLC 414: French and Italian Popular Culture ((L or HU) & G)
FRE 325: French Language and Culture Through Film	ARS 424: Italian Baroque Art (HU & H)	SLC 415: Korean Popular Culture
FRE 394: Special Topics	ARS 438: Art of the 20th Century I (HU & H)	SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)
FRE 411: Advanced Spoken French (G)	ARS 439: Art of the 20th Century II (HU & H)	SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)
FRE 412: Advanced Written French (G)	COM 371: Language, Culture, and Communication (SB & C & G)	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)
FRE 414: French and Italian Popular Culture ((L or HU) & G)	FMP 404: World Cinema (G)	SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)
FRE 415: French Civilization I (HU)	GCU 325: Geography of Europe (SB & G)	
FRE 416: French Civilization II (HU & G)	GCU 359: Cities of the World I (SB & G & H)	SLC 441: Fairy Tales (HU & G)
FRE 421: Structure of French	HST 349: Early Middle Ages ((HU or SB) & H)	SLC 444: Heroes, Ancient and Modern (L or HU)
FRE 453: Theater of the 19th Century (HU)	HST 350: Later Middle Ages ((HU or SB) & H)	SLC 445: The Holocaust in German-Mediated Memory
FRE 461: Modern Narrative (HU)	HST 351: Renaissance Europe ((L or HU or SB) & H)	SLC 446: Weimar-Era German Film
FRE 484: Internship	HST 352: Europe's Reformations ((L or HU or SB) & H)	SLC 447: German Modernism
FRE 493: Honors Thesis (L)	HST 356: Europe since 1945 (SB & G & H)	SLC 450: Experimental Narrative
FRE 494: Special Topics	HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)	SLC 451: Chinese Cultural History I ((HU or SB) & H)
FRE 499: Individualized Instruction	HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)	SLC 452: Chinese Cultural History II (SB & G & H)
	HST 362: Sex and Society in Classical and Medieval Europe (SB & H)	SLC 455: Multi-Kulti: Multiculturalism Through Film (G)
	HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)	SLC 457: Premodern Korea in a Global Context
	HST 364: Sex and Society in Modern Europe ((L or SB) & H)	SLC 459: Latin American Jewish Culture
	HST 365: World Wars I and II: Europe's Eastern Front	SLC 475: Latin American Film ((L or HU) & G)
		SLC 494: Special Topics

HST 368: Culture and Imagination in European History (HU & H)
HST 465: Women in Europe, 1750 to Present ((HU or SB) & H)
POS 356: European Union (SB & G)
POS 360: World Politics (SB & G)
POS 486: International Political Economy (SB & G)
REL 372: Formation of the Christian Tradition (HU & H)
REL 385: Contemporary Western Religious Thought (HU)
REL 470: Religion in the Middle Ages (HU & H)
REL 471: Reformation and Modern Christianity (HU & H)
SGS 360: Cultural Aspects of Globalization
SLC 340: Approaches to International Cinema (HU & G)
SLC 373: Roman History I: Foundations and Republic
SLC 374: Roman History II: The Roman Empire
SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)
SLC 429: Societies and Culture in Modern Europe ((L or HU) & G & H)
SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)
SLC 439: Art in Exile: VladĂ-mir VladĂ-mirovich Nabokov (HU & L)
SLC 445: The Holocaust in German-Mediated Memory
SLC 446: Weimar-Era German Film
SLC 447: German Modernism
SLC 455: Multi-Kulti: Multiculturalism Through Film (G)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Geographic Information Science, BS

School/College: [The College of Liberal Arts and Sciences](#)




Location: [Tempe campus](#)

LAGISBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshmen.</li> <li>• Students will select two related area courses from the list of prefixes below.</li> <li>• Play <a href="mailto:me3@asu.edu">me3@asu.edu</a> and <b>select your area of interest</b>.</li> </ul>
 MAT 117: College Algebra (MA)	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Related Area Course	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	1		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students will select two related area courses from the list of prefixes below.</li> <li>• Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
 GIS 205: Geographic Information Science I (CS)	3	C	
 MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Related Area Course	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 211: Geographic Information Science II (CS)	4	C	
GIS 270: Statistics for Geography and Planning	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 222: Programming Principles in GIS I	3	C	<ul style="list-style-type: none"> <li>• For the CLAS Science and Society requirement, go <a href="#">here</a>.</li> </ul>
 GIS 311: Geographic Information Science III (CS)	4	C	

Literacy and Critical Inquiry (L)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Term hours subtotal:	14

- Visit [Career and Professional Development Services](#) and meet with a career advisor for assistance with career planning and networking.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS 322: Programming Principles in GIS II	3	C	<ul style="list-style-type: none"> <li>• Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available <a href="#">here</a>.</li> <li>• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS 470: Advanced Statistics for Geography and Planning (CS)	3		<ul style="list-style-type: none"> <li>• Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
GIS Upper Division Elective	3	C	
Upper Division Elective OR GIS 484: Internship	3		
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Students interested in entering the job market after graduation should start research job opportunities. Information on careers in related fields is available <a href="#">here</a> and <a href="#">here</a>.</li> <li>• For the CLAS Science and Society requirement, go <a href="#">here</a>.</li> </ul>
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	4		
Term hours subtotal:	16		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Applied Experience Course	3	C	
GIS Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	5		
Term hours subtotal:	14		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Applied Experience Courses	Related Area Course Electives
GIS 484: Internship	CEE OR EEE OR EGR OR FSE OR GCU OR
GIS 498: Pro-Seminar	GIS OR GPH OR IEE OR PUP Elective
GIS 499: Individualized Instruction	
GPH 492: Honors Directed Study	
GPH 493: Honors Thesis (L)	

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Geographic Information Science, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online](#)

LAGISBS



Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>ASU 101 or College-specific equivalent First Year Seminar required of all freshman.</li> <li>Select your <a href="#">career interest area</a> and play <a href="mailto:me3@asu.edu">me3@asu.edu</a>.</li> </ul>
 MAT 117: College Algebra (MA)	3	C	
ASU 101-UC: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>View ASU Online first-time freshman registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on AS student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
 MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 205: Geographic Information Science I (CS)	3	C	<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> </ul>
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 222: Programming Principles in GIS I	3	C	<ul style="list-style-type: none"> <li>GIS 222 is offered in the A-Session of every Fall semester. If your specific Term 3-A is in a Spring semester your major course would be GIS 211.</li> <li><a href="#">Network</a> in your career interest area.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		
Term 3 - B 31 - 38 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course Electives	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a>.</li> </ul>
Natural Science - Quantitative (SQ)	4		




Complete First-Year Composition requirement.



Complete Mathematics (MA) requirement.

Term hours subtotal: 7




Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 211: Geographic Information Science II (CS)	4	C	<ul style="list-style-type: none"> <li>• GIS 211 is offered in the A-Session of every Spring semester. If your specific Term 4-A is in a Fall semester your major course would be GIS 222.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course Electives	3	C	<ul style="list-style-type: none"> <li>• Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. More information on internships is available <a href="#">here</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 270: Statistics for Geography and Planning	3	C	<ul style="list-style-type: none"> <li>• More information about the CLAS Science and Society requirement is available <a href="#">here</a>.</li> </ul>
CLAS Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 64 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 311: Geographic Information Science III (CS)	4	C	<ul style="list-style-type: none"> <li>• GIS 311 is offered in the B-Session of every Spring semester. If your specific Term 5-B is in a Fall semester your major course would be GIS 322.</li> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 6 - A 64 - 70 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	2		
Term hours subtotal:	6		

Term 6 - B 70 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 322: Programming Principles in GIS II	3	C	<ul style="list-style-type: none"> <li>• GIS 322 is offered in the B-Session of every Fall semester. If your specific Term 6-B is in a Spring semester your major course would be GIS 311.</li> <li>• Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs including admissions requirements and</li> </ul>
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

deadlines. Information on graduate programs offered through ASU's School of Geographical Sciences and Urban Planning is available [here](#).

Term 7 - A 76 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS 470: Advanced Statistics for Geography and Planning (CS)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 7 - B 82 - 90 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available <a href="#">here</a>.</li> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
Complete 2 courses: Elective	5		
Term hours subtotal:	8		

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Complete an in-person or virtual practice <a href="#">interview</a>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Upper Division CLAS Science and Society Elective	3	C	<ul style="list-style-type: none"> <li>More information on the CLAS Science and Society requirement can be found <a href="#">here</a>.</li> <li>Students planning to enter the job market should apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division GIS Applied Experience	3	C	
Elective	3		
Term hours subtotal:	6		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor, or related area. Science and Society Courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

GIS Applied Experience	Related Area Course Electives
GIS 484: Internship	CEE OR EEE OR EGR OR FSE OR GCU OR
GIS 498: Pro-Seminar	GIS OR GPH OR IEE OR PUP Elective
GIS 499: Individualized Instruction	
GPH 492: Honors Directed Study	
GPH 493: Honors Thesis (L)	

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map

### Geography, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAGCUBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li><b>Mathematics Assessment Placement</b> score determines placement in mathematics course.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Set up your <b>Handshake</b> account, play <a href="mailto:me3@ASU">me3@ASU</a> and select your <b>career interest area</b></li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
Related Area Course	3	C	

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Literacy and Critical Inquiry (L) 3

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) 4 C

- Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available [here](#).

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4

Elective 3

Term hours subtotal: 15

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GCU OR GIS OR GPH Upper Division Elective 3 C

Related Area Course 3 C

Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) 3

Complete 2 courses:  
 Upper Division Elective 6

Term hours subtotal: 15

- Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available [here](#).

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GCU Upper Division Elective OR GCU 484: Internship 3 C

Related Area Course 3 C

Upper Division Elective 3

Complete 2 courses:  
 Elective 6

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). 15

Term hours subtotal: 15

- Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available [here](#).
- Use Handshake to research **employment opportunities**

Term 7 91 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GCU OR GIS OR GPH Upper Division Elective 3 C

GCU Upper Division Elective OR GCU 484: Internship 3 C

- Students interested in entering the job market after graduation should start to research job

Complete 2 courses:	6
Upper Division Elective	
Elective	2
Term hours subtotal:	14

opportunities. Information on careers in related fields is available [here](#) and [here](#).

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	
GCU OR GIS OR GPH Upper Division Elective	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15		

#### Hide Course List(s)/Track Group(s)

##### Related Area Courses

ASB OR GCU OR GIS OR GPH OR POS OR  
PUP OR SGS OR SOC OR SOS Elective

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

##### General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

##### General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

##### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map


### Geography, BA


School/College: [The College of Liberal Arts and Sciences](#)




Location: [Online](#)

LAGCUBA

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First Year Seminar required of all freshman students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		



Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Selection of general studies courses will be determined by elective courses taken that can also be used toward the major.</li> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Set up your <a href="#">Handshake</a> account, play <a href="#">me3@asu</a> and select your <a href="#">career interest area</a>.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		


Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Elective	3		
Term hours subtotal:	6		

- Visit [Career and Professional Development Services](#) and speak with a career advisor for assistance with career planning and networking.

Term 3 - B 31 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	
Elective	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 37 - 44 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		• Create your professional online presence on <a href="#">LinkedIn</a> .

Term 4 - B 44 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	7		

Term 5 - A 51 - 58 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned

Term 5 - B 58 - 65 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Term hours subtotal:	7		• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a> .

Term 6 - A 65 - 72 Credit Hours	Hours	Minimum Grade	Notes

- Students interested in continuing to graduate study following the completion of the



Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

GCU Upper Division Elective 3 C

Term hours subtotal: 7

bachelors program should start investigating potential graduate programs including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available [here](#).

Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Elective 2

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GCU Upper Division Elective 3 C

Upper Division Elective 3

Term hours subtotal: 6

- Students interested in entering the job market after graduation should start to research job opportunities. Information on careers in related fields is available [here](#) and [here](#).

Term 7 - B 84 - 90 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: 6

Upper Division Elective

Term hours subtotal: 6

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) 3

Upper Division Elective 3

Term hours subtotal: 6

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GCU OR GIS OR GPH Upper Division Elective 3 C

Upper Division Elective 3

Term hours subtotal: 6

- Use [Handshake](#) to research employment opportunities.

Term 9 - A 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
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GCU OR GIS OR GPH Upper Division Elective 3 C

Upper Division Elective 3

Term hours subtotal: 6

Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GCU OR GIS OR GPH Upper Division Elective 3 C

Upper Division Elective 3

- Gather [professional references](#).
- Update and polish your [resume](#).

Term hours subtotal: 6

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	
Upper Division Elective	3		
Term hours subtotal:		6	

Hide Course List(s)/Track Group(s)

Related Area Courses

ASB OR GCU OR GIS OR GPH OR POS OR  
PUP OR SGS OR SOC OR SOS Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.


## 2019 - 2020 Major Map


### Geography, BS


School/College: [The College of Liberal Arts and Sciences](#)


Location: [Tempe campus](#)

LAGCUBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>GCU 102: Introduction to Human Geography (SB &amp; G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)</p>	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
<p>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>LIA 101: Student Success in the College of Liberal Arts and Sciences</p>	1		
<p>Humanities, Arts and Design (HU) AND Historical Awareness (H)</p>	3		
<p>Complete 2 courses: Elective</p>	6		
<p>Term hours subtotal:</p>	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>GCU 102: Introduction to Human Geography (SB &amp; G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)</p>	3	C	<ul style="list-style-type: none"> <li>• Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
<p>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>MAT 142: College Mathematics (MA)</p>	3	C	
<p>Natural Science - Quantitative (SQ) OR Natural Science - General (SG)</p>	4		
<p>Elective</p>	1		
<p>Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</p>			
<p>Term hours subtotal:</p>	14		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>GCU 102: Introduction to Human Geography (SB &amp; G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)</p>	4	C	<ul style="list-style-type: none"> <li>• For the CLAS Science and Society requirement, go <a href="#">here</a></li> </ul>
<p>CLAS Science and Society Elective</p>	3	C	
<p>Complete 3 courses: Elective</p>	9		
<p>Complete First-Year Composition requirement.</p>			
<p>Complete Mathematics (MA) requirement.</p>			
<p>Term hours subtotal:</p>	16		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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📌 GIS 270: Statistics for Geography and Planning	3	C
Related Coursework	3	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3	
Social-Behavioral Sciences (SB)	3	
Elective	3	
Term hours subtotal:	15	

- Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available [here](#).

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU OR GIS OR GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>• For the CLAS Science and Society requirement, go <a href="#">here</a></li> </ul>
Upper Division CLAS Science and Society Elective	3	C	
Related Coursework	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> </ul>
GPH Upper Division Elective OR GPH 484: Internship	3	C	
Related Coursework	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH Upper Division Elective OR GPH 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Students interested in entering the job market after graduation should start to research job opportunities. Information on careers in related fields is available <a href="#">here</a> and <a href="#">here</a>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	
GCU OR GIS OR GPH Upper Division Elective	3	C	
Upper Division Elective	3		
Complete 2 courses:	5		
Elective			
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Related Coursework

ASM OR GCU OR GIS OR GPH OR POS OR  
PUP OR SGS OR SOC OR SOS Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map Geography, BS



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)



LAGCUBS









Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First Year Seminar is required for all freshman students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GIS 205:  Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Set up your <b>Handshake</b> account, play <a href="mailto:me3@asu">me3@asu</a> and select your <b>career interest area</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GIS 205:  Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GIS 205:  Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	4	C	
Elective	3		
Term hours subtotal:	7		

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CLAS Science and Society Elective	3	C	<ul style="list-style-type: none"> <li>For the CLAS Science and Society requirement, go <a href="#">here</a></li> </ul>
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		
Term 4 - A 38 - 45 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>Create your online professional presence on <a href="#">LinkedIn</a>.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		
Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 270: Statistics for Geography and Planning	3	C	
Elective	3		
Term hours subtotal:	6		
Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GCU OR GIS OR GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Visit <a href="#">Career and Professional Development Services</a> and schedule an appointment to speak with a career advisor for assistance with career planning and networking.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		
Term 6 - A 63 - 69 Credit Hours	Hours	Minimum Grade	Notes
GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Students interested in continuing to graduate study following the completion of the bachelors program should start investigating potential graduate programs including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
GIS Upper Division Elective	3	C	

Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GPH Upper Division Elective	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: Upper Division Elective	6		
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Term hours subtotal: 6

- Students interested in entering the job market after graduation should start to research job opportunities. Information on careers in related fields is available [here](#) and [here](#).

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GCU OR GIS OR GPH Upper Division Elective	3	C	
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Upper Division CLAS Science and Society Elective	3	C	
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Term hours subtotal: 6

- For the CLAS Science and Society requirement, go [here](#)

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
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Elective	3		
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Term hours subtotal: 6

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Related Area Course	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

- Use [Handshake](#) to research employment opportunities.

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: Upper Division Elective	6		
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Term hours subtotal: 6

- Gather [professional references](#)
- Update and polish your [resume](#).

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GCU 496: Geographic Research Methods (L)	3	C	
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Elective	3		
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Term hours subtotal: 6

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3		
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Term hours subtotal: 3



- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

#### Hide Course List(s)/Track Group(s)

##### Related Area Courses

ASM OR GCU OR GIS OR GPH OR POS OR  
PUP OR SGS OR SOC OR SOS Elective

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

##### General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

##### General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

##### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.


## 2019 - 2020 Major Map


### Geography (Meteorology-Climatology), BS


School/College: The College of Liberal Arts and Sciences

Location: Tempe campus




LAGCUMBS



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>GCU 102: Introduction to Human Geography (SB &amp; G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)</p>	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• <b>Mathematical Placement Assessment</b> score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. GPH 191 satisfies this requirement.</li> <li>• Set up your <b>Handshake</b> account, <b>play me3</b> and select your <b>area of interest</b>.</li> </ul>
<p>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>LIA 101: Student Success in the College of Liberal Arts and Sciences</p>	1		
<p>Humanities, Arts and Design (HU) AND Historical Awareness (H)</p>	3		
<p>Social-Behavioral Sciences (SB)</p>	3		
<p>Elective</p>	1		
<p>Term hours subtotal:</p>	14		





Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>GCU 102: Introduction to Human Geography (SB &amp; G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)</p>	3	C	<ul style="list-style-type: none"> <li>• Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>• GPH 213 is recommended as the CLAS Science and Society requirement. For a full list of CLAS Science and Society courses, go <a href="#">here</a>.</li> </ul>
<p><b>MAT 270: Calculus with Analytic Geometry I (MA)</b></p>	4	C	
<p>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>CLAS Science and Society Elective</p>	3	C	
<p>Elective</p>	3		
<p><b>Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</b></p>			
<p>Term hours subtotal:</p>	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>GCU 102: Introduction to Human Geography (SB &amp; G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)</p>	4	C	<ul style="list-style-type: none"> <li>• Students should meet with their academic advisor to discuss the requirements to obtain National Weather Service certification.</li> </ul>
<p><b>MAT 271: Calculus with Analytic Geometry II (MA)</b></p>	4	C	
<p><b>PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)</b></p>	4	C	
<p>Literacy and Critical Inquiry (L)</p>	3		
<p><b>Complete First-Year Composition requirement.</b></p>			
<p><b>Complete Mathematics (MA) requirement.</b></p>			
<p>Term hours subtotal:</p>	15		

		Minimum	
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Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
GIS 270: Statistics for Geography and Planning	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	15		

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GPH 409: Synoptic Meteorology I	4	C	<ul style="list-style-type: none"> <li>GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)</li> <li>Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available <a href="#">here</a>.</li> <li>Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>For the CLAS Science and Society requirement, go <a href="#">here</a>.</li> </ul>
GIS Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Elective	4		
Term hours subtotal:	14		

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GPH 410: Synoptic Meteorology II	4	C	<ul style="list-style-type: none"> <li>GPH 410 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course)</li> <li>GPH 412 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course).</li> <li>Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
 GPH 412: Physical Meteorology	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GPH 474: Dynamic Meteorology I	3	C	<ul style="list-style-type: none"> <li>GPH 474 is offered once every two years--during the Fall semester of</li> </ul>
Complete 2 courses:			

Upper Division Elective	6
Upper Division Elective OR GCU 484: Internship OR GIS 484: Internship OR GPH 484: Internship	3
Elective	3
Term hours subtotal:	15

even-numbered years (so it may be a Term 5 course)

- Students interested in entering the job market after graduation should start research job opportunities. Information on careers in related fields is available [here](#) and [here](#).
- Students should verify with their academic advisor that they will meet all requirements necessary to obtain National Weather Service certification after graduation.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	<ul style="list-style-type: none"> <li>• GPH 475 is offered once every two years--during the Spring semester of odd-numbered years (so it may be a Term 6 course)</li> </ul>
★ GPH 475: Dynamic Meteorology II	3	C	
Complete 2 courses:	7		
Upper Division Elective			
Elective	2		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

#### Hide Course List(s)/Track Group(s)

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Journalism and Mass Communication, BA

School/College: [Walter Cronkite School of Journalism & Mass Comm](#)

Location:  
CSJMCBA

and














Geography

(Meteorology-Climatology),

BS

[The College of Liberal Arts and Sciences](#)

LAGCUMBS

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students should take a placement exam, regardless of prior credit earned.</li> </ul>	
 JMC 110: Principles and History of Journalism (SB)	3	C		
 MAT 170: Precalculus (MA)	3	C		
ASU 101-CS: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
JMC 102: Coding for Journalists	1	C		
JMC 120: Studio Production	1	C		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C		
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	17			
Term 2 17 - 35 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 GPH 111: Introduction to Physical Geography (SQ)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest area</b> and play me3@ASU</li> </ul>	
 GPH 112: Introduction to Physical Geography Lab (SQ)	1	C		
 JMC 201: News Reporting and Writing (L)	3	C		
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	18			
Term 3 35 - 53 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes

❖ JMC 305: Multimedia Journalism	3	C
❖ MAT 271: Calculus with Analytic Geometry II (MA)	4	C
❖ PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C
JMC 366: Journalism Ethics and Diversity	3	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
❖ Complete First-Year Composition requirement.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	18	

- Develop your **professional online presence**
- Develop your **skills**

Term 4 53 - 71 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C
❖ MAT 272: Calculus with Analytic Geometry III (MA)	4	C
❖ PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C
JMC 345: Videography	3	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent). AND Global Awareness (G)	4	C
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	18	

- Students should consult with an academic adviser to determine a journalism path and appropriate course selections for JMC Advanced Skill courses.

Term 5 71 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ JMC 330: Television Reporting	3	C
★ JMC 473: The Business and Future of Journalism	3	C
GPH 212: Introduction to Meteorology (SQ)	3	C
GPH 314: Global Change (HU & G) OR Upper Division CLAS Science and Society Elective	3	
GPH 409: Synoptic Meteorology I	4	C
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)
- The Science and Society list is found [here](#).
- Explore an **internship**

Term 6 87 - 103 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ JMC 484: Internship	3	Y
GPH 213: Climate and Weather (SG) OR CLAS Science and Society Elective	3	C
GPH 410: Synoptic Meteorology II	4	C
GPH 412: Physical Meteorology	3	C
Upper Division JMC Advanced Skills Course	3	C
★ Minimum 2.50 GPA ASU Cumulative.		

- GPH 410 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course)
- GPH 412 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course)

Term hours subtotal: 16

- Advanced Skills Course should be selected in consultation with academic adviser
- The Science and Society list is found [here](#).

Term 7 103 - 121 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 478: Cronkite News: Phoenix Bureau	3	C	<ul style="list-style-type: none"> <li>• GPH 474 is offered once every two years--during the Fall semester of even-numbered years (so it may be a Term 5 course)</li> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> </ul>
GIS 270: Statistics for Geography and Planning	3	C	
GPH 474: Dynamic Meteorology I	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SOC 101: Introductory Sociology (SB) OR PSY 101: Introduction to Psychology (SB)	3		
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 8 121 - 139 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH 475: Dynamic Meteorology II	3	C	<ul style="list-style-type: none"> <li>• GPH 475 is offered once every two years--during the Spring semester of odd-numbered years (so it may be a Term 6 course)</li> </ul>
★ JMC OR MCO Upper Division Elective	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
GIS 205: Geographic Information Science I (CS)	3	C	
JMC 402: Mass Communication Law	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

- Advanced Skills course should be selected in consultation with academic advisor.

The Science and Society list is found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>.

Hide Course List(s)/Track Group(s)

Philosophy	U.S. History	Advanced Skills Courses
HON 171: The Human Event (L or HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	JMC 325: Breaking News Multimedia Reporting
PHI 103: Principles of Sound Reasoning (L or HU)	HST 334: African American History Since 1865 ((HU or SB) & C & H)	JMC 351: Photojournalism I
PHI 105: Intro to Ethics (HU)	HST 337: American Indian History to 1900 ((HU or SB) & C & H)	JMC 414: Digital Graphic Design
PHI 306: Applied Ethics (HU)		JMC 421: Advanced Digital Storytelling
		JMC 430: Sports Marketing and Campaigns



HST 338: American Indian History since 1900  
(HU or SB) & C & H

JMC 434: Advanced Bilingual Reporting

JMC 437: Documentary Production

JMC 451: Photojournalism II

JMC 452: Visual Storytelling

JMC 453: Reporting on Business and the  
Economy

JMC 455: Digital Media Entrepreneurship

JMC 457: Advanced Radio Reporting

JMC 460: Advanced Online Media

JMC 465: Telling Stories with Data

JMC 470: Depth Reporting

JMC 477: New Media Innovation and  
Entrepreneurship Lab

JMC 478: Cronkite News: Los Angeles

JMC 478: Cronkite News: Phoenix Bureau

JMC 479: Cronkite News: Washington Bureau

JMC 480: Cronkite News: Phoenix Sports  
Bureau

JMC 481: Cronkite News: Los Angeles Sports  
Bureau

JMC 485: Television Magazine

JMC 486: Digital Audiences Lab

**Total Hours:** 139

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map

### German, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAGERBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required for all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level language courses. Students with previous experience in the language are required to take a language placement test.</li> <li>• In term 1, students may opt to take GER 110, a 6 credit <b>German intensive language</b> course equivalent to GER 101 and GER 102.</li> <li>• Engage in <b>German</b> at ASU. Practice your language skills at the <b>SILC Cafe</b></li> </ul>
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
GER 101: Elementary German I (G)	4-6	C	
MAT 142: College Mathematics (MA)	3	C	
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14-16		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Start planning your <b>study abroad experience</b>. Learn about ASU Study Abroad faculty-directed summer program in <b>Regensburg, Germany</b> offered through the <b>School of International Letters and Cultures</b> and the <b>ASU Study Abroad Office</b>.</li> <li>• Attend an ASU Study Abroad <b>Financing Your Study Abroad Program Workshop</b>.</li> <li>• In term 2, students may opt to take GER 210, a 6 credit <b>German intensive language</b> course, equivalent to GER 201 and GER 202.</li> </ul>
GER 102: Elementary German II (G)	4-6	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16-18		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GER 201: Intermediate German I (G)	4	C	<ul style="list-style-type: none"> <li>• Explore your <b>career interest</b> area.</li> <li>• Learn about research opportunities through the <b>Humanities Lab</b>.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ SLC 202: Introduction to Literary and Cultural Theory	3	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>• Learn about <b>national scholarships, fellowships, and research</b> opportunities.</li> </ul>
GER 202: Intermediate German II (G)	4	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GER 310: Advanced German Grammar and Composition I (G)	3	C	<ul style="list-style-type: none"> <li>• Enroll in listed courses or in an ASU Study Abroad, School of International Letters and Cultures endorsed semester or academic year exchange program abroad in Germany at <b>University of Heidelberg</b> or <b>University of Regensburg</b> or <b>University of Tuebingen</b>.</li> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>• Learn about <b>internships, scholarships and awards</b> for language majors.</li> </ul>
★ GER 311: German Conversation (G)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GER 312: Readings in German Culture (G)	3	C	<ul style="list-style-type: none"> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
★ GER 313: Advanced German Grammar and Composition II (G)	3	C	
GER 4** Elective	3	C	
Upper Division GER Elective	3	C	
Upper Division Elective OR GER 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GER 421: German Literature Survey, 800-1800 (HU)	3	C	<ul style="list-style-type: none"> <li>• Learn about ways to <b>build your skills</b>.</li> </ul>
Complete 2 courses:			
GER 4** Elective	6	C	
Upper Division Related Area Course	3	C	
Elective	2		
Term hours subtotal:	14		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GER 422: German Literature Survey, 1800-Today (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Attend an <b>ASU Career Services</b> workshop or Job Fair.</li> </ul>
★ 4** SLC Required Culture Course Option	3	C	
GER 4** Elective	3	C	

Complete 2 courses:

6

Elective

Term hours subtotal: 15

- Up to two Related Area Courses (6 credit hours) may be substituted for GER 3\*\* and/or GER 4\*\* electives. SLC language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

Related Area Course	Upper Division GER Elective	SLC 400-Level Required Culture Course Option
ARB OR BCS OR CHI OR FRE OR GER OR GRK OR HEB OR ITA OR JPN OR KOR OR LAT OR PLC OR POR OR ROM OR RUS OR SLV OR SPA OR VTN Upper Division Elective	GER 315: Germanic Mythology (HU & G) GER 394: Special Topics GER 431: German Humor GER 441: Fairy Tales (HU & G)	SLC 414: French and Italian Popular Culture ((L or HU) & G) SLC 415: Korean Popular Culture
APH 300: World Architecture I/Western Cultures (HU & H & G)	GER 445: The Holocaust in German-Mediated Memory	SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)
APH 336: 20th-Century Architecture I (HU)	GER 446: Weimar-Era German Film	SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)
APH 337: 20th-Century Architecture II (HU)	GER 447: German Modernism	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)
COM 371: Language, Culture, and Communication (SB & C & G)	GER 455: Multi-Kulti: Multiculturalism Through Film (G)	SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)
DCE 300: Moving Histories (HU)	GER 492: Honors Directed Study	SLC 441: Fairy Tales (HU & G)
GCU 325: Geography of Europe (SB & G)	GER 493: Honors Thesis (L)	SLC 444: Heroes, Ancient and Modern (L or HU)
GCU 359: Cities of the World I (SB & G & H)	GER 494: Special Topics	SLC 445: The Holocaust in German-Mediated Memory
HST 304: Studies in European History (SB & H)		SLC 446: Weimar-Era German Film
HST 349: Early Middle Ages ((HU or SB) & H)		SLC 447: German Modernism
HST 350: Later Middle Ages ((HU or SB) & H)		SLC 450: Experimental Narrative
HST 351: Renaissance Europe ((L or HU or SB) & H)		SLC 451: Chinese Cultural History I ((HU or SB) & H)
HST 352: Europe's Reformations ((L or HU or SB) & H)		SLC 452: Chinese Cultural History II (SB & G & H)
HST 353: Old Regime in Europe (SB & H)		SLC 455: Multi-Kulti: Multiculturalism Through Film (G)
HST 354: Revolutionary Europe (SB & H)		SLC 457: Premodern Korea in a Global Context
HST 355: Total War and the Crisis of Modernity (SB & G & H)		SLC 459: Latin American Jewish Culture
HST 356: Europe since 1945 (SB & G & H)		SLC 475: Latin American Film ((L or HU) & G)
HST 368: Culture and Imagination in European History (HU & H)		

HST 429: Modern Germany (SB & G & H)

HST 454: History of Genocide (G & H)

MHL 344: Music in World Cultures (HU & G)

PHI 329: History of Modern Philosophy (HU & H)

PHI 331: Philosophy of Language (HU)

POS 340: History of Political Philosophy I (HU & H)

POS 341: History of Political Philosophy II (HU & H)

POS 352: European Democracies

POS 356: European Union (SB & G)

POS 360: World Politics (SB & G)

POS 486: International Political Economy (SB & G)

REL 372: Formation of the Christian Tradition (HU & H)

REL 385: Contemporary Western Religious Thought (HU)

REL 470: Religion in the Middle Ages (HU & H)

REL 471: Reformation and Modern Christianity (HU & H)

SLC 340: Approaches to International Cinema (HU & G)

SLC 429: Special Topics, Studies in European Literature and Culture ((L or HU) & G & H)

SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)

SLC 441: Fairy Tales (HU & G)

SLC 445: The Holocaust in German-Mediated Memory

SLC 446: Weimar-Era German Film

SLC 447: German Modernism

SLC 450: Experimental Narrative

SLC 455: Multi-Kulti: Multiculturalism Through Film (G)

SLC 494: Special Topics

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Global Health, BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASSHBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASB 100: Introduction to Global Health (SB & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASB 191 satisfies this requirement.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR Global Health Elective in Related Areas	3-4	C	<ul style="list-style-type: none"> <li>• <b>Network</b> in your career interest area.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCD 300: Biostatistics (CS) or PBH 300: Biostatistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR SOC 390: Social Statistics I (CS) OR ASM 201: Epidemics and Outbreaks OR EXW 444: Epidemiology	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Develop your <b>skills</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		

❗ Complete Mathematics (MA) requirement.

❗ Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"><li>• Second language requirement must be completed by term 4.</li><li>• All global health majors are required to go on a study abroad program either the summer after term 4 or the summer after term 6. The 6 hours in term Summer 4 reflect the 6 hours that must be completed abroad through the School of Human Evolution and Social Change. Please see academic advisor for study abroad program options.</li><li>• Explore an <b>internship</b>.</li></ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	2		
Term hours subtotal:	16		

Summer 4 60 - 66 Credit Hours	Hours	Minimum Grade	Notes
SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)	6	C	
Term hours subtotal:	6		

Term 5 66 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	<ul style="list-style-type: none"><li>• Develop your <b>professional online presence</b>.</li></ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 81 - 96 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	<ul style="list-style-type: none"><li>• Research <b>employment opportunities</b>.</li><li>• Complete an in person or virtual <b>practice interview</b>.</li></ul>
Global Health Elective in Related Areas	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 96 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	<ul style="list-style-type: none"><li>• Study abroad requirement must be completed by term 7.</li><li>• Gather <b>professional references</b>.</li><li>• Apply for <b>full-time career opportunities</b>.</li></ul>
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	12		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Global Health Practicum	3	C
Global Health Elective in Related Areas	3	C
Upper Division Elective OR SSH 484: Internship	3	
Upper Division Elective	3	
Term hours subtotal:	12	

Hide Course List(s)/Track Group(s)

Global Health Core	Global Health Elective in Related Areas	Global Health Practicum
AFR 383: Blacks in Science, Medicine and Public Health	ASB 102: Introduction to Cultural Anthropology (SB & G)	ASB 452: Community Partnerships for Global Health (SB) or SSH 402: Community Partnerships for Global Health (SB)
ASB 300: Food and Culture ((L or SB) & C)	ASB 202: Immigration and Ethnic Relations in the U.S. (SB & C) or AFR 202: Immigration and Ethnic Relations in the U.S. (SB & C)	ASB 455: Practicum for Social Sciences (SB)
ASB 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H)	ASB 210: Human Sexuality: Anthropological Perspectives (SB & G)	ASB 484: Internship
ASB 305: Poverty and Global Health ((L or SB) & G)	ASB 211: Women in Other Cultures ((HU or SB) & G)	ASB 484: Fit Phoenix
ASB 316: Money and Culture (L or SB)	ASB 220: The Expressive Culture of Latin America and the Caribbean: A Transborder Perspective ((L or HU or SB) & C)	ASB 499: Individualized Instruction
ASB 327: Disaster! ((L or SB) & C)	ASB 272: Environmental Justice (SB) or SOS 272: Environmental Justice (SB)	ASM 414: Urban and Environmental Health (SB) or SOS 414: Urban and Environmental Health (SB)
ASB 355: Traditional Medicine and Healing (HU or SB)	ASB 275: Culture, Language and Learning (SB & C) or TCL 275: Culture, Language and Learning (SB & C)	POS 464: Border Cities: Action Research on Globalization (SB & G)
ASB 357: Society, Drugs and Health (SB & G)	ASB 322: Peoples of Latin America ((L or SB) & G)	TCL 321: Transborder Community Development and Health or SOC 320: Transborder Community Development and Health
ASB 370: Ethics of Eating (L or SB) or SOS 370: Ethics of Eating (L or SB)	ASB 325: Peoples of Southeast Asia (G)	
ASB 376: Global Health Policy	ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)	
ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) or TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)	ASB 362: People and Plants	
ASB 462: Medical Anthropology: Culture and Health (SB & C)	ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G) or SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G)	
ASM 345: Disease and Human Evolution	ASB 380: Language, Culture and Gender (SB)	
ASM 401: Health and Human Biology	ASB 463: Political Ecology of the Border (SB & G) or TCL 443: Political Ecology of the Border (SB & G)	
ASM 456: Infectious Disease and Human Evolution	ASB 466: Peoples and Cultures of Africa (SB & G) or AFR 466: Peoples and Cultures of Africa (SB & G)	
HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)		
HST 304: Black Death: Pandemic Disease in the Medieval World (SB & H)		
MIC 314: HIV/AIDS: Science, Behavior, and Society		

SGS 340: Violence, Conflict and Human Rights	ASM 104: Bones, Stones, and Human Evolution (SB or SG)
SGS 350: Economic Development and Globalization	ASM 246: Human Origins (SB)
SOC 424: Women and Health (SB)	ASM 275: Forensic Anthropology (SB or SG)
SOC 427: Sociology of Health and Illness (SB)	ASM 342: Evolution of Human Behavior or BIO 327: Evolution of Human Behavior
SOC 498: Epidemics and Society	BCH 361: Advanced Principles of Biochemistry
SOS 371: Inequality and Sustainability	BIO 302: Cancer--Mother of All Diseases (L)
TCL 323: Latino Health Issues (SB & C)	BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins
TCL 326: Health of Chicanas and Latinas (SB & C)	BIO 351: Developmental Biology
TCL 327: Health and Migration (SB)	BIO 360: Animal Physiology
TCL 410: Race, Medicine, and the Body (L) or SOC 410: Race, Medicine, and the Body (L)	ECN 211: Macroeconomic Principles (SB)
TCL 447: Gender, Culture, and Development ((L or SB) & G) or SGS 454: Gender, Culture, and Development ((L or SB) & G) or SOS 447: Gender, Culture, and Development ((L or SB) & G) or WST 447: Gender, Culture, and Development ((L or SB) & G)	ECN 212: Microeconomic Principles (SB)
WST 360: Women as Healers (SB & G)	HCD 201: Economics for Health Majors or PBH 201: Economics for Health Majors
WST 365: Women and International Health (G)	HCD 210: Cultural Aspects of Health (C)
WST 380: Race, Gender, and Class (SB & C) or AMS 380: Race, Gender, and Class (SB & C) or ETH 380: Race, Gender, and Class (SB & C)	HCD 310: Health Communication
WST 440: Politics of Women's Health (SB & C)	HCR 230: Culture and Health (C & G)
WST 444: Gender, Health, and Bodies (SB)	HST 312: History of Women in Science and Medicine (HU or SB)
	JUS 350: Immigration and Justice (SB & C)
	JUS 352: The Global Politics of Human Rights (SB & G)
	JUS 370: Cultural Diversity and Justice ((L or HU) & C)
	JUS 374: The Holocaust, Genocide, and Human Rights
	MIC 205: Microbiology (SG) or MIC 443: The Microbial Universe
	MIC 220: Biology of Microorganisms
	MIC 498: HIV/AIDS Prevention Education in Africa
	NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability
	POS 300: Contemporary Global Controversies (SB & G)
	POS 367: World Politics and Global Inequalities (G)
	POS 368: Ethics and Human Rights

POS 480: Global Justice (G) or SBS 480:  
Global Justice (G)

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SGS 303: Global Trends (SB)

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SGS 304: Foundations of Cross-Cultural  
Awareness

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SGS 341: Humanitarian Crisis and  
International Intervention

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SGS 360: Cultural Aspects of Globalization

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SOC 352: Social Change (SB & G & H)

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SOC 426: Social Inequality (SB)

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SOC 448: Epidemics and Society (SB & G)

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WST 460: Women and the Body (SB & C)

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WST 471: Women's International Human  
Rights or AFR 470: Women's International  
Human Rights

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map

### Global Health, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online](#)

LASSHBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASB 100: Introduction to Global Health (SB & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM	3-4		<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
 104: Bones, Stones, and Human Evolution (SB or SG) OR Global Health Elective in Related Areas			
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6-7		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following:			<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only those students with no experience with the language may take the 101-level course. All other students are required to take a language placement exam, regardless of prior credit earned.</li> <li>• Students who choose to complete ASM 104 in term 2-A only need two elective credit hours in term 5-B.</li> <li>• <b>Network</b> in your career interest area.</li> </ul>
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Term hours subtotal:	6		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

- Develop your **skills**.

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)

3

Term hours subtotal: 7

Term 3 - B 33 - 40 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

Literacy and Critical Inquiry (L)


3

 Complete First-Year Composition requirement.

 Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 40 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR ASM 201: Epidemics and Outbreaks OR EXW 444: Epidemiology

3

C

- Explore an **internship**.

Social-Behavioral Sciences (SB)

3

Term hours subtotal: 6

Term 4 - B 46 - 53 Credit Hours	Hours	Minimum Grade	Notes
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Humanities, Arts and Design (HU) AND Historical Awareness (H)

3

Natural Science - Quantitative (SQ)

4

Term hours subtotal: 7

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)

6

C

- All global health online majors are strongly encouraged to go on a summer study abroad program to fulfill major requirements. The 6 hours in term Term 5 - A reflect the six hours that must be completed abroad, or with 2 additional Global Health core courses through the School of Human Evolution and Social Change. Please contact your academic advisor for travel dates and options, or to inquire about petitioning for a substitution.
- For more information about planning and paying for your study abroad program, please go [here](#).

Term hours subtotal: 6

Term 5 - B 59 - 66 Credit Hours	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

Elective

3-2

Term hours subtotal: 7-6

- Students who choose to complete ASM 104 in term 2-A need only complete 2 elective hours in term 5-B.
- Develop your **professional online presence**.

Minimum

Term 6 - A 66 - 72 Credit Hours	Hours	Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		

Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview.</li> </ul>
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 78 - 84 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Elective	6		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	<ul style="list-style-type: none"> <li>Research employment opportunities.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	<ul style="list-style-type: none"> <li>Secure a part-time job or volunteer experience.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Practicum	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Global Health Elective in Related Areas	3	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		<ul style="list-style-type: none"> <li>Apply for full-time career opportunities.</li> </ul>
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Global Health Elective in Related Areas	3	C	

Upper Division Elective	3
Term hours subtotal:	6

- Study abroad requirement should be completed by Term 10 - A.

Hide Course List(s)/Track Group(s)

Global Health Core	Global Health Elective in Related Areas	Global Health Practicum
ASB 300: Food and Culture ((L or SB) & C)	ASB 102: Introduction to Cultural Anthropology (SB & G)	ASB 455: Practicum for Social Sciences (SB)
ASB 301: Global History of Health (SB & G & H)	ASB 210: Human Sexuality: Anthropological Perspectives (SB & G)	ASB 484: Internship
ASB 305: Poverty and Global Health ((L or SB) & G)	ASB 322: Peoples of Latin America ((L or SB) & G)	ASB 499: Individualized Instruction
ASB 316: Money and Culture (L or SB)	ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)	ASM 414: Urban and Environmental Health (SB) or SOS 414: Urban and Environmental Health (SB)
ASB 327: Disaster! ((L or SB) & C)	ASB 362: People and Plants	
ASB 357: Society, Drugs and Health (SB & G)	ASB 380: Language, Culture and Gender (SB)	
ASB 370: Ethics of Eating (L or SB)	ASM 104: Bones, Stones, and Human Evolution (SB or SG)	
ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)	ASM 201: Epidemics and Outbreaks	
ASB 462: Medical Anthropology: Culture and Health (SB & C)	ASM 246: Human Origins (SB)	
ASM 345: Disease and Human Evolution	ASM 275: Forensic Anthropology (SB or SG)	
SGS 350: Economic Development and Globalization	HCD 210: Cultural Aspects of Health (C)	
SOC 424: Women and Health (SB)	HCD 310: Health Communication	
SOC 427: Sociology of Health and Illness (SB)	HCR 230: Culture and Health (C & G)	
WST 365: Women and International Health (G)	JUS 350: Immigration and Justice (SB & C)	
WST 380: Race, Gender, and Class (SB & C)	JUS 374: The Holocaust, Genocide, and Human Rights	
WST 440: Politics of Women's Health (SB & C)	NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability	
	POS 300: Contemporary Global Controversies (SB & G)	
	POS 368: Ethics and Human Rights	
	SGS 303: Global Trends (SB)	
	SGS 304: Foundations of Cross-Cultural Awareness	
	SOC 352: Social Change (SB & G & H)	
	SOC 418: Aging and the Life Course (SB & H)	
	WST 460: Women and the Body (SB & C)	

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### Global Studies, BA


School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASGSBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>SGS 101: Thinking Globally: The Individual and Authority (SB &amp; G)</b>	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course.</li> <li>• All freshmen are required to pass a Student Success seminar which is part of the CLAS block.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• This major does require an international experience. Students must complete an approved study abroad experience or an approved international internship.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
<b>MAT 142: College Mathematics (MA)</b>	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>SGS 204: Professional Global Career Development</b>	3	C	<ul style="list-style-type: none"> <li>• Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>• Visit the <b>Career and Professional Development Center</b> to identify networking opportunities and to seek career planning assistance.</li> <li>• Meet with a study abroad professional and complete the <b>Study Abroad 101 workshop</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
<b>Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)</b>	3		
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<b>SGS Elective</b>	3	C	<ul style="list-style-type: none"> <li>• The electives in this degree program allow room for students to complete a <b>minor or certificate</b> program.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
<b>Humanities, Arts and Design (HU) AND Historical Awareness (H)</b>	3		
<b>Natural Science - Quantitative (SQ)</b>	4		

🚩 Complete First-Year Composition requirement.

🚩 Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 SGS Elective	3	C	• Attend career related workshops and <b>meet</b> with a career counselor to discuss professional goals.
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ SGS 305: Empirical Political Inquiry (SB)	3	C	• The global studies major requires all students to complete an international experience. The experience must be approved by the School of Politics and Global Studies' internship coordinator before the experience is completed. Meet with our <b>internship coordinator</b> to develop a plan to fulfill this requirement.
SGS Upper Division Elective	3	C	
Complete 2 courses: Related Area Course	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ SGS 401: Political Statistics (CS)	3	C	• If interested in pursuing additional education, make preparations for <b>graduate or law</b> school. • The global studies major requires all students to complete an international experience. The experience must be approved by the School of Politics and Global Studies' internship coordinator before the experience is completed. Meet with our <b>internship coordinator</b> to develop a plan to fulfill this requirement.
SGS Upper Division Elective	3	C	
SGS Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ SGS Upper Division Elective	3	C	• Join <b>Handshake</b> and research target organizations of interest. • Take advantage of mock interview opportunities and <b>resume and cover letter</b> writing services.
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Upper Division Elective	6		
Elective	2		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ SGS 484: Global Experience	3	C	• Finalize future educational or <b>career</b> plans.
Upper Division Literacy and Critical Inquiry (L)	3		

Complete 3 courses:  
Upper Division Elective

9

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Term hours subtotal: 15

- All Global Studies majors must complete six major elective courses. Nine hours of the major electives must be upper division.  
Students must earn a 'C' or better in the courses.

Students must complete 12 credit hours in courses drawn from related areas. Courses beginning with the following prefixes may be used. Only upper division foreign language courses offered by the School of International Letters and Cultures apply to the related area requirement. Students must earn a 'C' or better in the related area courses.

#### Hide Course List(s)/Track Group(s)

##### Related Area Courses

AFR OR ASB OR ASM OR BIO OR COM  
OR ECN OR GCU OR GPH OR HPS OR  
HST OR JUS OR NLM OR PAF OR POS OR  
PUP OR REL OR SOS OR USL OR WST  
Elective

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Global Studies, BA



School/College: [The College of Liberal Arts and Sciences](#)


Location: [Online](#)

LASGSBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>SGS 101: Thinking Globally: The Individual and Authority (SB &amp; G)</b>	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• ASU 101 or College-specific First Year Seminar is required for all freshman students.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU <b>Language Placement</b>: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• This major requires students to complete a global experience. The global experience requires students to complete a study abroad experience or to complete an internship in a country other than the United States. The global experience must be approved by the School of Politics and Global Studies after students have declared the ASU Global Studies major.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>SGS 204: Professional Global Career Development</b>	3	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement</b>: Only true beginners are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned.</li> <li>• As of fall 2018, Chinese, French, German, Italian and Spanish are the languages students may pursue to meet their second language requirement.</li> <li>• Contact the <b>Career and Professional Development Center</b> to identify networking opportunities and to seek career planning assistance.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * French, Italian, German, Spanish and Chinese are available online.	4	C	
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * French, Italian, German, Spanish and Chinese are available online.	4	C	

❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 7

Term 3 - A 27 - 34 Credit Hours	Hours	Minimum Grade	Notes
SGS Elective	3	C	<ul style="list-style-type: none"> <li>The electives in this degree program allow room for students to complete a <b>minor or certificate</b> program.</li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * French, Italian, German, Spanish and Chinese are available online.	4	C	
Term hours subtotal:		7	

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * French, Italian, German, Spanish and Chinese are available online.	4	C	
❖ Complete First-Year Composition requirement.			
❖ Complete Mathematics (MA) requirement.			
Term hours subtotal:		7	

Term 4 - A 41 - 47 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ SGS Elective	3	C	<ul style="list-style-type: none"> <li>View career <b>webinars</b> and meet with a career counselor to discuss professional goals.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:		6	

Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Elective	2		
Term hours subtotal:		6	

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SGS 305: Empirical Political Inquiry (SB)	3	C	<ul style="list-style-type: none"> <li>The global studies major requires all students to complete a global experience. The experience must be approved by the School of Politics and Global Studies' internship coordinator before the experience is completed. Speak with our <b>internship coordinator</b> to develop a plan to fulfill this requirement.</li> </ul>
SGS Elective	3	C	
Term hours subtotal:		6	

Term 5 - B 59 - 65 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Literacy and Critical Inquiry (L)	3
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3
Term hours subtotal:	6

Term 6 - A 65 - 71 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS 401: Political Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Attend career related <b>workshops</b> and meet with a career counselor to discuss professional goals.</li> </ul>
SGS Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 71 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses: Related Area Course	6	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 77 - 83 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Join <b>Handshake</b> and research target organizations of interest.</li> <li>Take advantage of mock interview opportunities and <b>resume and cover</b> letter writing services.</li> </ul>
Related Area Course	3	C	
Term hours subtotal:	6		

Term 7 - B 83 - 90 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>The electives in this degree program allow room for students to complete a <b>minor or certificate</b> program.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		<ul style="list-style-type: none"> <li>If interested in pursuing additional education, make preparations for <b>graduate</b> or law school.</li> </ul>
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SGS 484: Global Experience , Internship	3	C	• Finalize future educational or career plans.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

- Students must complete 12 credit hours in courses drawn from related areas. Courses beginning with the following prefixes may be used. Only upper division foreign language courses offered by the School of International Letters and Cultures apply to the related area requirement. Students must earn a 'C' grade or better in the related area courses.

Hide Course List(s)/Track Group(s)

Related Area Courses
AFR OR ASB OR ASM OR BIO OR COM OR ECN OR GCU OR GPH OR HST OR JUS OR PAF OR POS OR PUP OR REL OR SOS OR WST Elective
POR OR SPA Upper Division Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map



### History, BA



School/College: [The College of Liberal Arts and Sciences](#)




Location: [Tempe campus](#)



LAHISBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST Survey Course	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Related Area Course	3	C	
Elective	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 130: The Historian's Craft	3	C	<ul style="list-style-type: none"> <li>Students who have completed 30 credit hours and ENG 102 may take HST 330 in place of HST 130.</li> <li>ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>If interested in law school, review <b>Pre-Law at ASU</b> website.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.25 GPA in HST.			
Term hours subtotal:	14		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>Many General Studies courses can overlap with major requirements, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>Explore opportunities to <b>study abroad</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Maintain 2.25 GPA in HST.			
Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST Survey Course	3	C	<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if G requirement has not already been satisfied through other course work.</li> <li>Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.25 GPA in HST.			
Term hours subtotal:	14		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Comparative History Course	3	C	<ul style="list-style-type: none"> <li>The sequence of upper division history courses shown here is a suggested one. Except where prerequisites dictate the order, consult an academic advisor to determine the best sequence of courses for your personal plan of study.</li> <li>Choosing a Humanities (HU) course that also fulfills Cultural Diversity in the United States (C) is recommended.</li> <li>Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> <li>If planning on law school, prepare to take the <b>LSAT</b>.</li> </ul>
HST 304: Studies in European History (SB & H)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division History in the Wild Course	3	C	<ul style="list-style-type: none"> <li>Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li> <li>Explore <b>graduate school</b> opportunities.</li> </ul>
HST 303: Studies in Asian History (SB & H) OR HST 305: Studies in Latin American History (SB & H) OR HST 307: Studies in African History (H)	3	C	
Upper Division Related Area Course	3	C	
Upper Division Elective OR HST 484: Internship	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). Maintain 2.25 GPA in HST.			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HST 495: Methods of Historical Inquiry (L)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li> </ul>
HST Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		

Maintain 2.25 GPA in HST.

Term hours subtotal: 15

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HST 306: Studies in United States History ((HU or SB) & H)	3	C	<ul style="list-style-type: none"> <li>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> <li>• Apply for career opportunities.</li> </ul>
HST Upper Division Elective	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Elective	2		
★ Maintain 2.25 GPA in HST.			
Term hours subtotal:		14	

- HST 302-307 are variable topics courses. Students may take these courses for credit multiple times, so long as the topics are different. All students are required to take one course from HST 304 and HST 306, plus one course chosen from HST 303, HST 305, or HST 307. Students may select any topic within these course numbers for this requirement. However, for the Comparative History and History in the Wild requirements, students must choose only from the specific topics shown in the Comparative History and History in the Wild lists below. Any topic under HST 302 will count as a Comparative History course. Students must complete 33 total credit hours in history (HST), so any variable topics courses taken for Comparative History and History in the Wild will be in addition to the standard requirement for HST 304, HST 306, and (HST 303, 305, or 307).

Students must complete 12 credits of courses in Related Areas, at least six of which must be upper-division.

At least 12 upper-division hours in the major (HST) must be in courses offered by the College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

HST Survey Courses	Comparative History	History in the Wild
HST 100: Global History to 1500 (HU & H & G)	HST 301: Global History of Health (SB & G & H)	HST 302: Introduction to Peace Studies ((HU or SB) & G & H)
HST 101: Global History Since 1500 (HU & H & G)	HST 302: Studies in History ((HU or SB) & G & H)	HST 306: Historic Preservation in the U.S. ((HU or SB) & H)
HST 102: Western Civilization: Ancient and Medieval Europe (SB & H)	HST 303: The British Empire in Asia (SB & H)	HST 306: Landscape, Place and Memory in American History ((HU or SB) & H)
HST 103: Western Civilization: Renaissance to Enlightenment ((HU or SB) & H)	HST 303: WWII in Asia: Cultures of War (SB & H)	HST 306: Monuments and Memory ((HU or SB) & H)
HST 104: Western Civilization: French Revolution to European Union ((HU or SB) & G & H)	HST 304: Witchcraft and Christianity in the Atlantic World (SB & H)	HST 414: Political History and Leadership
HST 106: Asian Civilizations ((HU or SB) & G & H)	HST 309: Exploration and Empire ((L or HU) & H)	HST 485: History in the Wild
HST 108: Introduction to Japan (SB & G & H)	HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H)	
HST 109: United States to 1865 ((HU or SB) & H)	HST 404: Conquest and Encounters in Colonial Latin America (L & G)	
HST 110: United States Since 1865 (SB & H)	HST 435: The Russian Empire (SB & H)	

HST 111: Introduction to Asia (HU & H & G)	HST 456: The Vietnam War (SB & G & H)
Related Area courses	Related Area courses continued
AFR OR AIS OR APA OR APH OR ARS OR ASB OR ASM OR ECN OR GCU OR HPS OR JUS OR PHI OR POS OR REL OR SGS OR SOC OR TCL OR WST Elective	ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans
ENG Elective (not from ENG 101-197)	ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)
JST Elective (not from JST 131, 132, 231, or 232)	ITA 420: Italian Cinema (L & G)
ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)	JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)
ARB 335: Arabic Culture and Islam (G)	JPN 414: Introduction to Classical Japanese
ARB 336: Introduction to the Qur'an	JPN 415: Advanced Classical Japanese
ARB 337: Hadith and Prophetic Tradition	JPN 445: Readings in Modern Japanese Letters and Culture
ARB 341: Quran Text and Women (HU & H)	KOR 250: Korean Culture and Society (HU & G)
ARB 351: Classical Arabic Literature	KOR 321: Modern Korean Literature (HU)
ARB 352: Modern Arabic Literature in Translation	KOR 347: Korean Film and Literature (HU)
BIO 316: History of Biology: Conflicts and Controversies (H)	KOR 350: Women of Korea (H)
BIO 318: History of Medicine (HU & H)	KOR 457: Premodern Korea in a Global Context or SLC 457: Premodern Korea in a Global Context
CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)	LAT 222: Survey of Roman Literature (HU) or SLC 222: Survey of Roman Literature (HU)
CHI 321: Chinese Literature (HU)	LAT 421: Roman Literature (HU)
CHI 322: Chinese Literature (HU & G)	MCO 418: History of Mass Communication (SB & H)
CHI 345: Chinese Film and Civilization	MUS 354: Popular Music (HU)
CHI 348: Pathways into Chinese Culture	MUS 355: American Music (HU & C & H)
CHI 451: Chinese Cultural History I ((HU or SB) & H)	MUS 356: Broadway and the American Musical (HU)
CHI 452: Chinese Cultural History II (SB & G & H)	MUS 362: Rap Music and Hip Hop Culture (HU & C)
CHI 470: Modern Chinese Literature and Culture	MUS 371: World Music (HU & G)
FRE 305: Readings in French Literature (G)	MUS 410: History of Women in Music (HU & C & H)
FRE 321: French Cultural Masterpieces I ((L or HU) & H)	POR 472: Luso-Brazilian Civilization (HU & G)
FRE 322: French Cultural Masterpieces II (L or HU)	PSY 414: History of Psychology (L or SB)
FRE 415: French Civilization I (HU)	PUP 412: History of the City ((L or HU) & H)
FRE 416: French Civilization II (HU & G)	

FRE 453: Theater of the 19th Century (HU)	RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU)
FRE 461: Modern Narrative (HU)	RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G)
GER 315: Germanic Mythology (HU & G)	RUS 421: Pushkin (L or HU)
GER 416: German Civilization (HU & H & G)	RUS 425: Chekhov and Russian Drama (L or HU)
GER 421: German Literature Survey, 800-1800 (HU)	RUS 430: Russian Short Story (L or HU)
GER 422: German Literature Survey, 1800-Today (L or HU)	SLV 440: History of Slavic Languages (SB)
GER 431: German Humor	SPA 325: Introduction to Hispanic Literature (HU)
GER 441: Fairy Tales (HU & G) or SLC 441: Fairy Tales (HU & G)	SPA 425: Foundational Texts of Spain (L or HU)
GRK 142: Ancient Greek Civilization (HU & H) or SLC 142: Ancient Greek Civilization (HU & H) or SLC 221: Survey of Ancient Greek Literature (HU)	SPA 426: Literature and Society in Modern Spain (HU)
GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU)	SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)
GRK 301: Ancient Greek Literature I (HU)	SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)
GRK 302: Ancient Greek Literature II (HU)	SPA 429: Writing Mexico: Major Texts ((L or HU) & G)
GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)	SPA 434: Drama of the Golden Age
HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)	SPA 456: 20th-Century Spanish American Fiction
HEB 348: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)	SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)
HEB 375: Contemporary Culture of Israel (HU & G)	SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)
HON 171: The Human Event (L or HU)	SPA 472: Latin American Society: Five Case Studies (HU & H & G)
HON 272: The Human Event ((L or HU) & H)	SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)
HON 370: History of Ideas (L or HU)	SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)
HON 378: Culture and Society in England, Ireland, and Scotland (HU & H & G)	SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala
HON 379: Romantics, Victorians, and Moderns (HU & G)	SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)
HON 380: Aesthetics and Society (HU)	THE 320: History of the Theatre I (HU & H)
	THE 321: History of the Theatre II (HU & H)
	THE 322: Theatre History and Culture (HU & H)

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THE 421: Shakespeare: Stage and Film (L or HU)

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THE 425: Chekhov and Russian Drama (L or HU)

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THE 430: History of Fashion I (HU)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### History, BA

School/College: [The College of Liberal Arts and Sciences](#)




Location: [Online](#)

LAHISBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST Survey Course	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar is required of all freshman students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Maintain 2.25 GPA in HST.			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li><a href="#">Mathematics Placement Assessment</a> score determines placement in mathematics course</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 130: The Historian's Craft	3	C	<ul style="list-style-type: none"> <li>Transfer students who have completed 30 credit hours and ENG 102 may take HST 330 in place of HST 130.</li> <li>Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> <li>If interested in law school, review <a href="#">Pre-Law at ASU</a> website.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.25 GPA in HST.			
Term hours subtotal:	7		




Term 3 - A 27 - 34 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		<ul style="list-style-type: none"> <li>Many General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic</li> </ul>



Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Term hours subtotal: 7



advisor to select the best courses for your personal plan of study.

- Choosing a Humanities, Arts and Design (HU) course that also fulfills the Global Awareness (G) requirement is recommended if these requirements have not already been satisfied through major courses.

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<b>Related Area Course</b>	3	C	<ul style="list-style-type: none"> <li>• Explore opportunities to <b>study abroad</b>. Online students are eligible and encouraged to participate!</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 41 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>HST Survey Course</b>	3	C	
<b>Computer/Statistics/Quantitative Applications (CS)</b>	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
<b>Natural Science - Quantitative (SQ)</b>	4		<ul style="list-style-type: none"> <li>• Explore the <b>Career and Professional Development Services</b> website and arrange a <b>virtual advising session</b> with a career counselor for assistance with career planning and networking.</li> <li>• If interested in law school, <b>make a phone appointment</b> with the pre-law advisor.</li> </ul>
<b>Elective</b>	2		
Term hours subtotal:	6		

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <b>Upper Division Comparative History Course</b>	3	C	<ul style="list-style-type: none"> <li>• The sequence of upper-division history courses shown here is a suggested one. Except where prerequisites dictate the order, students should consult an academic advisor to determine the best sequence of courses for their personal plan of study.</li> </ul>
<b>Elective</b>	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 5 - B 59 - 65 Credit Hours	Hours	Minimum Grade	Notes
<b>HST 304: Studies in European History (SB &amp; H)</b>	3	C	<ul style="list-style-type: none"> <li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies.</li> </ul>
<b>Cultural Diversity in the U.S. (C)</b>	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 6 - A 65 - 72 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes



★ HST 303: Studies in Asian History (SB & H)	3	C
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Maintain 2.25 GPA in HST.		
Term hours subtotal:	7	

Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 485: History in the Wild	3	C	<ul style="list-style-type: none"> <li>Consider participating in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, contact an academic advisor.</li> </ul>
Related Area Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 7 - A 78 - 84 Credit Hours	Hours	Minimum Grade	Notes
HST Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>If planning on law school, prepare to take the <b>LSAT</b>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 495: Methods of Historical Inquiry (L)	3	C	
Elective	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>Explore <b>graduate school</b> opportunities.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		



Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 306: Studies in United States History ((HU or SB) & H)	3	C	<ul style="list-style-type: none"> <li>View career <b>webinars</b> offered by Career and Professional Development Services.</li> </ul>
Upper Division Elective	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Upper Division Related Area Course	3	C	
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		

Elective	3
Term hours subtotal:	6

- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.

Term 10 - A 114 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		• Apply for career opportunities.
 Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

- HST 302-306 are variable topics courses. Students may take these courses for credit multiple times, so long as the topics are different. All students are required to take one course from HST 303, HST 304 and HST 306. Students may select any topic within these course numbers for this requirement. However, for the Comparative History requirement, students must choose only from the specific topics shown in the Comparative History list below. All topics under HST 302 fulfill the Comparative History requirement. Students must complete 33 total credit hours in history (HST), so any variable topics course taken for Comparative History will be in addition to the standard requirement for HST 303, HST 304 and HST 306.

Students must complete 12 credits of Related Area courses, at least six of which must be upper-division.

At least 12 upper-division hours in the major (HST) must be in courses offered by the College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

HST Survey Courses	Comparative History	Related Area
HST 100: Global History to 1500 (HU & H & G)	HST 301: Global History of Health (SB & G & H)	AFR OR APA OR ARS OR ASB OR ASM OR ECN OR GCU OR JUS OR PHI OR POS OR REL OR SGS OR SOC OR TCL OR WST Elective
HST 101: Global History Since 1500 (HU & H & G)	HST 302: Studies in History ((HU or SB) & G & H)	ENG Elective (not from ENG 101-197)
HST 109: United States to 1865 ((HU or SB) & H)	HST 303: The British Empire in Asia (SB & H)	ARB 335: Arabic Culture and Islam (G)
HST 110: United States Since 1865 (SB & H)	HST 304: Witchcraft and Christianity in the Atlantic World (SB & H)	ARB 336: Introduction to the Qur'an
	HST 309: Exploration and Empire ((L or HU) & H)	BIO 316: History of Biology: Conflicts and Controversies (H)
	HST 456: The Vietnam War (SB & G & H)	BIO 318: History of Medicine (HU & H)
		MCO 418: History of Mass Communication (SB & H)
		MUS 354: Popular Music (HU)
		MUS 355: American Music (HU & C & H)
		MUS 362: Rap Music and Hip Hop Culture (HU & C)
		MUS 371: World Music (HU & G)
		SPA 325: Introduction to Hispanic Literature (HU)

SPA 425: Foundational Texts of Spain (L or HU)

SPA 426: Literature and Society in Modern Spain (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)

SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

SPA 472: Latin American Society: Five Case Studies (HU & H & G)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)

SPA 486: Chicano/a Novel: *Áltima*, *Rafa y Lala*

THE 322: Theatre History and Culture (HU & H)

THE 421: Shakespeare: Stage and Film (L or HU)

THE 430: History of Fashion I (HU)

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### History (Secondary Education), BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAHISSEBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HST 100: Global History to 1500 (HU & H & G) OR HST 101:  Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>• ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Minimum 2.25 GPA in HST.			
Term hours subtotal:	14		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HST 100: Global History to 1500 (HU & H & G) OR HST 101:  Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	<ul style="list-style-type: none"> <li>• Students must complete HST 100, HST 101, HST 109 and HST 110 prior to term 5. These courses may be taken in any order.</li> <li>• Students who have completed 30 credit hours and ENG 102 may take HST 330 in place of HST 130.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 HST 130: The Historian's Craft	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	17		

Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HST 100: Global History to 1500 (HU & H & G) OR HST 101:  Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	<ul style="list-style-type: none"> <li>• Apply for an Identity Verified Print (IVP) DPS <b>fingerprint card</b>.</li> <li>• Explore opportunities to <b>study abroad</b>. Summer is usually the best time for students in this major to study abroad.</li> </ul>

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4  
 Elective 3

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Minimum 2.25 GPA in HST.

Term hours subtotal: 14

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Computer Literacy: Mobile Technologies and Your World (CS)	3	C	<ul style="list-style-type: none"> <li>Attend an enrollment workshop prior to registration for term 5.</li> <li>Students are encouraged to select free electives from courses in geography, political science, and economics, especially if preparing to teach middle grade (6-8) social studies. Barrett Honors students may use their research and thesis hours as electives.</li> <li>Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
❗ HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
❗ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
❗ Milestone: Complete online Intent to Progress form (meet with advisor).			
❗ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	16		

Term 5 61 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EDP 313: Childhood and Adolescence (SB)	3	C	<ul style="list-style-type: none"> <li>During your clinical experiences, you will work alongside an intern mentor teacher, in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 5-8.</li> <li>POS 417 or GCU 113 is recommended for the elective course if students have not yet satisfied the AZ Constitution requirement for teacher certification.</li> <li>Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> <li>Explore <b>graduate school</b> opportunities.</li> </ul>
★ SED 396: Clinical Experience I	1	Y	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Upper Division Non-U.S. HST course	3	C	
Upper Division United States HST course	3	C	
Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ BLE 407: SEI for Secondary Students (L)	3	C
★ HST 480: Methods of Teaching History: Classroom Resources	3	C
★ HST 495: Methods of Historical Inquiry (L)	3	C
★ SED 397: Clinical Experience II	1	Y
★ SPE 417: Inclusion Practices at the Secondary Level	3	C
Elective	2	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Minimum 2.50 GPA ASU Cumulative.		
Minimum 2.25 GPA in HST.		
Term hours subtotal:		15

- Use **Handshake** to research employment opportunities.
- Attend **career fairs, workshops and related events** offered by Career and Professional Development Services.

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 481: Methods of Teaching History: Community Resources	3	C	<ul style="list-style-type: none"> <li>• All other degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching in term 8.</li> <li>• Students must pass the NES Secondary Professional Knowledge Exam to obtain secondary education teacher certification in Arizona. Completing this exam prior to student teaching is highly recommended. Students who wish to be "appropriately certified" for middle grade social studies must also take the Middle Grades Social Science test. See <a href="http://www.aepa.nesinc.com/">www.aepa.nesinc.com/</a>.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	Y	
Upper Division United States HST course	3	C	
Upper Division Non-U.S. HST course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:		16	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>• Students must either have passed the Constitutions of the United States and Arizona AEPA exam or have completed coursework covering this requirement within one year of initial certification.</li> <li>• Take advantage of mock interview opportunities and assistance with writing <b>resumes and cover letters</b>.</li> <li>• Apply for <b>career opportunities</b>.</li> </ul>
★ Minimum 2.25 GPA in HST.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

- At least 12 upper-division hours in history (HST) must be in courses offered by the College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

Upper Division United States History	Upper Division Non-U.S. History
HST 306: Studies in United States History ((HU or SB) & H)	HST 302: Envisioning Peace ((HU or SB) & G & H), Gender and Sexuality in Islam ((HU or SB) & G & H), Introduction to Peace Studies ((HU or SB) & G & H), Jews, Christians &
HST 314: American Cultural History Since 1865 ((HU or SB) & H)	

HST 315: Political History of the U. S. (SB & H)	Muslims in Early Modern World ((HU or SB) & G & H), The Mexico City 1968 Olympics in Global Context ((HU or SB) & G & H)
HST 316: 20th-Century U.S. Foreign Relations (SB & H)	HST 303: Studies in Asian History (SB & H)
HST 317: History of Postwar U.S. Conservatism	HST 304: Studies in European History (SB & H)
HST 318: History of Engineering ((L or SB) & G)	HST 305: Studies in Latin American History (SB & H)
HST 320: U.S. Urban History since 1850 (SB & H)	HST 307: Studies in African History (H)
HST 321: Constitutional History/US to 1865 (SB & H)	HST 309: Exploration and Empire ((L or HU) & H)
HST 322: Constitutional History of the United States Since 1865 (H)	HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H)
HST 323: Historical Studies in Race, Crime, and the Law	HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)
HST 325: Immigration and Ethnicity in the United States (SB & H & C)	HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	HST 348: Rome (SB & H)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	HST 349: Early Middle Ages ((HU or SB) & H)
HST 329: Women in 20th-Century U.S. West (H & C)	HST 350: Later Middle Ages ((HU or SB) & H)
HST 331: Mexican American History to 1900 (SB & H & C)	HST 351: Renaissance Europe ((L or HU or SB) & H)
HST 332: Mexican American History Since 1900 (SB & H & C)	HST 352: Europe's Reformations ((L or HU or SB) & H)
HST 333: African American History to 1865 (SB & H & C)	HST 353: Old Regime in Europe (SB & H)
HST 334: African American History Since 1865 ((HU or SB) & C & H)	HST 354: Revolutionary Europe (SB & H)
HST 335: History of Black Women in America (SB & H)	HST 355: Total War and the Crisis of Modernity (SB & G & H)
HST 337: American Indian History to 1900 ((HU or SB) & C & H)	HST 356: Europe since 1945 (SB & G & H)
HST 338: American Indian History since 1900 ((HU or SB) & C & H)	HST 358: Jewish History from Antiquity to 1492 (SB & H)
HST 340: American Military History (SB & H)	HST 359: Jewish History from 1492 to 1948 (SB & G & H)
HST 341: U.S. West 19th Century (SB & H)	HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)
HST 342: U.S. West 20th Century (SB & H)	HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)
HST 343: American Southwest ((L or SB) & H)	HST 362: Sex and Society in Classical and Medieval Europe (SB & H)
	HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)



HST 344: Arizona (SB & H)	HST 364: Sex and Society in Modern Europe ((L or SB) & H)
HST 345: Environmental History (L)	HST 365: World Wars I and II: Europe's Eastern Front
HST 377: Sports in United States History	HST 366: England to 1689 (SB & H)
HST 379: History of College Sports	HST 367: Modern Britain (SB & H)
HST 405: Colonial American History to 1763 (SB & H)	HST 368: Culture and Imagination in European History (HU & H)
HST 406: American Revolution/1763-1789 (SB & H)	HST 369: History and Memory of the Holocaust
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H)	HST 370: Eastern Europe in Transition (SB & G & H)
HST 408: Civil War and Reconstruction ((L or SB) & H)	HST 372: Modern Middle East (SB & G & H)
HST 409: Emergence Modern U.S. 1877-1918 (SB & H)	HST 373: Roman History I: Foundations and Republic
HST 412: Contemporary U.S., 1973- Present (SB & H)	HST 374: Roman History II: The Roman Empire
HST 413: Contemporary America ((L or SB) & H)	HST 375: Colonial Latin America (SB & H)
HST 414: Political History and Leadership	HST 376: Modern Latin America (SB & G & H)
HST 419: 20th Century Chicano/a History (C)	HST 383: China (SB & H)
HST 443: The United States and Latin America (SB & G & H)	HST 384: Modern China: 1700 to the Present (SB & G & H)
HST 448: Mexican/U.S. Border	HST 385: History of Chinese Medicine (HU & H & G)
HST 449: Mexican Immigration to the U.S. ((L or SB) & H & C)	HST 386: Interpreting China's Classics ((L or HU) & H)
HST 456: The Vietnam War (SB & G & H)	HST 387: Japan ((L or SB) & H)
	HST 388: Japan (SB & G & H)
	HST 389: Japan Society and Values/Premod
	HST 391: Modern Southeast Asia (SB & G & H)
	HST 392: Modern India
	HST 397: Greece and Rome at War
	HST 404: Conquest and Encounters in Colonial Latin America (L & G)
	HST 423: The Tudor Monarchy (SB & H)
	HST 424: The Stuart Monarchy (SB & H)
	HST 426: The British Empire (H)
	HST 427: French Revolution/Napoleonic Era (SB & H)

HST 429: Modern Germany (SB & G & H)

HST 430: The Ottoman Empire in the  
Classical Period

HST 432: Eastern Europe the Balkans, 20th  
Century (G & H)

HST 435: The Russian Empire (SB & H)

HST 436: The Soviet Experiment (SB & G &  
H)

HST 438: Modern Spain ((HU or SB) & G &  
H)

HST 439: Athenian Democracy (H)

HST 441: Latin America and the World  
Economy (L & G & H)

HST 443: The United States and Latin  
America (SB & G & H)

HST 444: Latin American Independence ((L  
or HU) & G)

HST 445: 20th-Century Cuba (SB & G & H)

HST 447: Modern Mexico (SB & H)

HST 448: Mexican/U.S. Border

HST 451: Chinese Cultural History I ((HU or  
SB) & H)

HST 452: Chinese Cultural History II (SB &  
G & H)

HST 456: The Vietnam War (SB & G & H)

HST 459: Gandhi and the Politics of  
Nonviolence

HST 465: Women in Europe, 1750 to Present  
((HU or SB) & H)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map



### Integrated Studies, BA




School/College: [The College of Liberal Arts and Sciences](#)


Location: [Tempe campus](#)

LAISTBA

Students may not be admitted directly to the BS in Integrated Studies. This degree program is only for students who have earned at least 32 graded hours at ASU, who have a cumulative gpa of 3.25, and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs to discuss the possibility of being allowed to pursue this opportunity. Please call 480-965-6506 to schedule an appointment.

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu">me3@asu</a></li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	2		
 Minimum 3.25 GPA ASU Cumulative. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		

Elective 3

❖ Complete Mathematics (MA) requirement.

❖ Minimum 3.25 GPA ASU Cumulative.

Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 43 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• Explore an <b>internship</b></li> </ul>
<b>Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)</b>	3		
<b>Literacy and Critical Inquiry (L)</b>	3		
<b>Natural Science - Quantitative (SQ) OR Natural Science - General (SG)</b>	4		
Elective	3		
❖ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> Approved integrated study courses; determined by advisor.	6	C	<ul style="list-style-type: none"> <li>• Create a <b>resume</b>.</li> <li>• Review or develop your <b>professional online presence</b>.</li> </ul>
<b>Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)</b>	3		
★ <i>Complete 2 courses:</i> <b>Upper Division Elective</b>	6		
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> Upper Division Approved integrated study courses; determined by advisor.	6	C	<ul style="list-style-type: none"> <li>• Research graduate programs and <b>employment opportunities</b>.</li> <li>• Gather <b>professional references</b>.</li> </ul>
★ <i>Complete 2 courses:</i> Approved integrated study courses; determined by advisor.	6	C	
<b>Upper Division Literacy and Critical Inquiry (L)</b>	3		
Minimum 3.25 GPA ASU Cumulative.			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 4 courses:</i> Upper Division Approved integrated study courses; determined by advisor.	12	C	<ul style="list-style-type: none"> <li>• Prepare applications for graduate programs and <b>full-time career opportunities</b>.</li> <li>• Complete an <b>in-person or virtual practice interview</b>.</li> </ul>
★ Approved integrated study courses; determined by advisor.	3	C	
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<i>Complete 4 courses:</i>			
★ Upper Division Approved integrated study courses; determined by advisor.	12	C	
.....			
Minimum 3.25 GPA ASU Cumulative.			
.....			
Upper Division Elective	3		
.....			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map









### Integrated Studies, BS




School/College: [The College of Liberal Arts and Sciences](#)




Location: [Tempe campus](#)

LAISTBS

Students may not be admitted directly to the BS in Integrated Studies. This degree program is only for students who have earned at least 32 graded hours at ASU, who have a cumulative gpa of 3.25, and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs to discuss the possibility of being allowed to pursue this opportunity. Please call 480-965-6506 to schedule an appointment.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest area</b> and <b>play me3@ASU</b></li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Mathematics (MA)	3	C	
Complete 2 courses: Elective	6		
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 31 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CLAS Science and Society Elective	3	C	<ul style="list-style-type: none"> <li>• Before registering in term 4 students must meet with an advisor in the CLSA Office of Student and Academic Programs to develop an approved program of integrated study courses.</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
 Minimum 3.25 GPA ASU Cumulative.			
Complete First-Year Composition requirement.			
Term hours subtotal:	13		
		<b>Minimum</b>	

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 Approved integrated study courses; determined by advisor.	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> <li>• Explore an <b>internship</b></li> </ul>
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 3 courses:			<ul style="list-style-type: none"> <li>• Review or develop your <b>professional online presence</b></li> <li>• Create a <b>resume</b></li> </ul>
Approved integrated study courses; determined by advisor.	9	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
 Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses:			<ul style="list-style-type: none"> <li>• Research <b>graduate programs and employment opportunities</b></li> <li>• Gather <b>professional references</b></li> </ul>
 Upper Division Approved integrated study courses; determined by advisor.	6	C	
 Approved integrated study courses; determined by advisor.	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
 Minimum 3.25 GPA ASU Cumulative.			
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 4 courses:			<ul style="list-style-type: none"> <li>• Prepare applications for graduate programs and full-time <b>career opportunities</b></li> <li>• Complete an <b>in-person or virtual practice interview</b></li> </ul>
 Upper Division Approved integrated study courses; determined by advisor.	12	C	
Upper Division Elective	3		
 Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 4 courses:			
 Upper Division Approved integrated study courses; determined by advisor.	12	C	
Upper Division Elective	3		
 Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		



- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### International Letters and Cultures, BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASLCBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course.</li> <li>• ASU 101 or College Specific equivalent First Year Seminar required of all freshman students.</li> <li>• Students in this major must be eligible to take a 200-level or above selected target language course in the first term.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101 level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>• Learn about <b>intensive language</b> courses.</li> <li>• Engage in your <b>language and culture</b> area at ASU.</li> </ul>
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	
 Approved Selected Language Courses	4-5	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Mathematics (MA) ( MAT 142 recommended)	3	C	
Term hours subtotal:	14-15		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Start planning your study abroad experience. Learn about <b>faculty directed summer programs</b> offered through the School of International Letters and Cultures.</li> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>• Attend a <b>Financing your Study Abroad Program</b> Workshop.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 SLC 202: Introduction to Literary and Cultural Theory	3	C	
 Approved Selected Language Courses	4-5	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Milestone: Meet with a SILC advisor before the end of the term to seek guidance in writing personal statement.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Major Courses.			
Minimum 2.33 GPA ASU Cumulative.			
Milestone: Minimum cumulative 3.0 GPA in primary target language courses.			
Term hours subtotal:	16-17		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Approved Selected Language Courses	4-5	C	<ul style="list-style-type: none"> <li>• Explore your <b>career interest</b> area.</li> </ul>
Course from approved Program of Study	3	C	

Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
❖ Complete Mathematics (MA) requirement.	
❖ Milestone: Write a personal statement and submit statement by the end of the term; receive Program of Study approval.	
Complete First-Year Composition requirement.	
Maintain 2.33 GPA in Major Courses.	
Term hours subtotal:	14-15

- Learn about research opportunities through the [Humanities Lab](#).
- Activate your [Handshake account](#) and build out your profile.

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ Complete 3 courses:		
Course from approved Program of Study	9	C
Literacy and Critical Inquiry (L)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Maintain 2.33 GPA in Major Courses.		
Term hours subtotal:	16	

- Learn about [internships, scholarships and awards](#) available to language and culture majors.

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Complete 3 courses:		
Upper Division Course from approved Program of Study	9	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Elective	3	
Maintain 2.33 GPA in Major Courses.		
Term hours subtotal:	15	

- Learn about [national scholarships, fellowships and research opportunities](#).

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Complete 3 courses:		
Upper Division Course from approved Program of Study	9	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Elective	3	
Maintain 2.33 GPA in Major Courses.		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Make plans to study abroad in an [ASU Study Abroad](#) summer, semester, or academic year program.
- Use Handshake to research [employment opportunities](#)

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Complete 3 courses:		
Upper Division Course from approved Program of Study	9	C
Upper Division Literacy and Critical Inquiry (L)	3	
Elective OR SLC 484: Internship	3	
Term hours subtotal:	15	

- Learn about ways to [build your skills](#).

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ 4** SLC Culture Course	3	C
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Upper Division Course from approved Program of Study	3	C
Course from approved Program of Study	3	C
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	15	

- Attend a [Career Services](#) job fair or networking event.

- This degree program is intended for students who are already fairly competent in the language selected to study. The language selected by the student must be one offered by the School of International Letters and Cultures. Please see an academic advisor in SILC for approval of the language as well as the program of study which is tailored for individual students. Because of the nature of the degree program, students taking Romanian and Portuguese should be at least at the 313 level by the end of Term 1, and students taking Greek should be at least at the 301 level by the end of Term 1. Students in all other languages should be at the 201 level by the end of term 1.

#### Hide Course List(s)/Track Group(s)

SLC 400-Level Required Culture Course Option	Approved Selected Language Courses
SLC 414: French and Italian Popular Culture (HU & G)	ARB 201: Intermediate Arabic I (G) AND ARB 202: Intermediate Arabic II (G)
SLC 415: Korean Popular Culture	BCS 201: Intermediate Serbo-Croatian AND BCS 202: Intermediate Serbo-Croatian
SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)	CHI 201: Second-Year Chinese I (G) AND CHI 202: Second-Year Chinese II (G) or CHI 210: Intensive Chinese II
SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)	FRE 201: Intermediate French I (G) AND FRE 202: Intermediate French II (G) or FRE 210: Intensive French II (G)
SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)	GER 201: Intermediate German I (G) AND GER 202: Intermediate German II (G) or GER 210: Intensive German II (G)
SLC 439: Art in Exile: Vladimír Vladimirovich Nabokov (HU & L)	GRK 301: Ancient Greek Literature I (HU) AND GRK 302: Ancient Greek Literature II (HU)
SLC 441: Fairy Tales (HU & G)	HEB 201: Intermediate Modern Hebrew (G) AND HEB 202: Intermediate Modern Hebrew (G)
SLC 444: Heroes, Ancient and Modern (L or HU)	HEB 231: Biblical Hebrew III AND HEB 232: Biblical Hebrew IV
SLC 445: The Holocaust in German-Mediated Memory	IDN 201: Intermediate Indonesian I (G) AND IDN 202: Intermediate Indonesian II (G)
SLC 446: Weimar-Era German Film	ITA 201: Intermediate Italian I (G) AND ITA 202: Intermediate Italian II (G) or ITA 210: Intensive Italian II (G)
SLC 447: German Modernism	JPN 201: Second-Year Japanese I (G) AND JPN 202: Second-Year Japanese II (G) or JPN 210: Intensive Japanese II
SLC 450: Experimental Narrative	KOR 201: Second-Year Korean I (G) AND KOR 202: Second-Year Korean II (G)
SLC 451: Chinese Cultural History I ((HU or SB) & H)	
SLC 452: Chinese Cultural History II (SB & G & H)	
SLC 455: Multi-Kulti: Multiculturalism Through Film (G)	

SLC 457: Premodern Korea in a Global Context	LAT 201: Intermediate Latin I (HU) AND LAT 202: Intermediate Latin II (HU)
SLC 459: Latin American Jewish Culture	PLC 201: Intermediate Polish AND PLC 202: Intermediate Polish
SLC 475: Latin American Film ((L or HU) & G)	POR 313: Portuguese Composition and Conversation (G) AND POR 314: Portuguese Composition and Conversation (G)
SLC 494: Special Topics	ROM 313: Romanian Composition and Conversation AND ROM 314: Romanian Composition and Conversation
	RUS 201: Intermediate Russian I (G) AND RUS 202: Intermediate Russian II (G)
	SPA 201: Intermediate Spanish (G) AND SPA 202: Intermediate Spanish (G) or SPA 210: Intensive Spanish II (G)
	VTN 201: Intermediate Vietnamese I (G) AND VTN 202: Intermediate Vietnamese II (G)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### International Letters and Cultures (Arabic Studies), BA






School/College: The College of Liberal Arts and Sciences


Location: Tempe campus

LASLCASBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARB 101: Elementary Arabic I (G)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific First Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a placement test.</li> <li>• Engage in <b>Arabic</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> </ul>
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARB 102: Elementary Arabic II (G)	4	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures academic advisor to discuss the best <b>study abroad</b> options for your major. Attend a <b>Financing Your Study Abroad Program Workshop</b>.</li> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	2		
 Complete ENG 101 or ENG 105 or ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARB 201: Intermediate Arabic I (G)	4	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures academic advisor to learn about <b>internships</b> and <b>scholarships and awards</b> for language and culture majors.</li> <li>• Arabic offers many opportunities if you are interested in working for the <b>Peace Corps</b>.</li> </ul>
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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📌 ARB 202: Intermediate Arabic II (G)	4	C
Literacy and Critical Inquiry (L)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Elective	3	
Term hours subtotal:	14	

- Meet with a School of International Letters and Cultures academic advisor to learn about [internships](#) and [scholarships and awards](#) for language and culture majors.
- Learn about research opportunities through the [Humanities Lab](#).

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARB 311: Advanced Arabic Skills I OR ARB 315: Advanced Arabic for Heritage Speakers	3	C	<ul style="list-style-type: none"> <li>• Learn about <a href="#">national scholarships, fellowships, and research opportunities</a>.</li> </ul>
★ ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARB 321: Arabic Conversation I	3	C	<ul style="list-style-type: none"> <li>• Students must take a minimum of six credit hours in related area courses. Credit hours in excess of the six required credit hours will be counted as elective hours toward the 120 total credit required for any ASU degree.</li> <li>• Explore your <a href="#">career interest area</a>.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> </ul>
★ ARB 341: Quran Text and Women (HU & H)	3	C	
★ Upper Division Concentration Electives	3	C	
★ Upper Division Related Area Course Electives	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARB 351: Classical Arabic Literature	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> </ul>
★ 4** SLC Required Culture Course Option	3	C	
★ Complete 2 courses:	6	C	
Upper Division Concentration Electives	6	C	
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARB 352: Modern Arabic Literature in Translation	3	C	<ul style="list-style-type: none"> <li>• Attend an <a href="#">ASU Career Services</a> workshop or Job Fair.</li> </ul>
★ Complete 2 courses:	6	C	
Upper Division Concentration Electives	6	C	
★ Upper Division Related Area Course Electives	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses	Concentration Electives	SLC 400-Level Required Culture Course Option
AFR 480: Different Voices Within Contemporary Islamic Discourse	ARB 336: Introduction to the Qur'an	SLC 414: French and Italian Popular Culture ((L or HU) & G)
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)	ARB 337: Hadith and Prophetic Tradition	SLC 415: Korean Popular Culture
HST 372: Modern Middle East (SB & G & H)	ARB 340: Arabic Translation	SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)
POS 353: Comparative Politics of the Middle East	ARB 360: Islamic Philosophical Literature	SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)
REL 365: Islamic Civilization (HU & H)	ARB 411: Advanced Arabic Skills II	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)
	ARB 421: Arabic Conversation II	SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)
	ARB 422: Advanced Arabic Media	SLC 441: Fairy Tales (HU & G)
		SLC 444: Heroes, Ancient and Modern (L or HU)
		SLC 445: The Holocaust in German-Mediated Memory
		SLC 446: Weimar-Era German Film
		SLC 447: German Modernism
		SLC 450: Experimental Narrative
		SLC 451: Chinese Cultural History I ((HU or SB) & H)
		SLC 452: Chinese Cultural History II (SB & G & H)
		SLC 455: Multi-Kulti: Multiculturalism Through Film (G)
		SLC 457: Premodern Korea in a Global Context
		SLC 459: Latin American Jewish Culture
		SLC 475: Latin American Film ((L or HU) & G)
		SLC 494: Special Topics

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**



**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map





### International Letters and Cultures (Classical Civilization), BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASLCVBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with experience in the language must take a placement exam.</li> <li>• Learn about <b>Intensive Language courses</b> at ASU.</li> <li>• Explore your <b>career interest area</b>.</li> <li>• Engage in the <b>Classics</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> </ul>
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Mathematics (MA) ( MAT 142 recommended)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Start planning your study abroad experience. Learn about <b>ASU Study Abroad programs</b>.</li> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>• Attend a <b>Financing Your Study Abroad Program</b> workshop.</li> <li>• SLC 221, 222, and 223 are not required to be taken in sequence.</li> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b></li> </ul>
 SLC 221: Survey of Ancient Greek Literature (HU) OR SLC 222: Survey of Roman Literature (HU) OR SLC 223: Introduction to Greek and Roman Mythology (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 202: Introduction to Literary and Cultural Theory	3	C	<ul style="list-style-type: none"> <li>• Learn about <b>internships, scholarships and awards</b> and explore your <b>career interest area</b>.</li> <li>• SLC 221, 222, and 223 are not required to be taken in sequence.</li> </ul>
 SLC 221: Survey of Ancient Greek Literature (HU) OR SLC 222: Survey of Roman Literature (HU) OR SLC 223: Introduction to Greek and Roman Mythology (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete 2 courses:			

Elective 6

◆ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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◆ SLC 221: Survey of Ancient Greek Literature (HU) OR SLC 222: Survey of Roman Literature (HU) OR SLC 223: Introduction to Greek and Roman Mythology (HU)

3

C

- Meet with a School of International Letters and Cultures **academic advisor** to discuss the best **study abroad options** for your major.

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

Computer/Statistics/Quantitative Applications (CS)

3

Natural Science - Quantitative (SQ)

4

Term hours subtotal: 14

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire

3

C

- Explore your **career interest area**.

Literacy and Critical Inquiry (L)

3

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)

4

Social-Behavioral Sciences (SB) AND Global Awareness (G)

3

Elective

2

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire

3

C

- Meet with a School of International Letters and Cultures **academic advisor** to discuss the best study abroad options for your major.

★ *Complete 2 courses:*

Upper Division Culture Courses

6

C

Upper Division Elective

3

Elective

3

- Visit the **Office of National Scholarship Advisement** to learn more about National scholarships, fellowships and research opportunities.
- Use Handshake to research **employment opportunities**

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire

3

C

- Build your skills.

★ SLC 491: Crossing Languages and Cultures OR 4\*\* SLC Required Culture Course Option

3

C

Upper Division Literacy and Critical Inquiry (L)

3

Upper Division Elective OR SLC 484: Internship

3

Upper Division Elective 3

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Social-Behavioral Sciences (SB)	3		• Attend an ASU Career Services Job Fair.
Complete 4 courses:			
Upper Division Elective	12		
Term hours subtotal:	15		

- Contact a School of International Letters and Sciences [academic advisor](#) for additional Culture Course options.
- SLC 494 language and/or translation courses may not be used for the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

Culture Courses	SLC 400-Level Required Culture Course Option
APH 313: History of Architecture I ((L or HU) & G & H)	SLC 414: French and Italian Popular Culture (HU & G)
ARS 402: Art of Ancient Egypt (HU & H)	SLC 415: Korean Popular Culture
ARS 404: Greek Art (HU & H)	SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)
ARS 406: Roman Art (HU & H)	SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)
ASB 330: Understanding Archaeology (SB)	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)
ENG 303: Classical Backgrounds of English Literature (HU)	SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War	SLC 441: Fairy Tales (HU & G)
HST 348: Rome (SB & H)	SLC 444: Heroes, Ancient and Modern (L or HU)
HST 349: Early Middle Ages ((HU or SB) & H)	SLC 445: The Holocaust in German-Mediated Memory
HST 362: Sex and Society in Classical and Medieval Europe (SB & H)	SLC 446: Weimar-Era German Film
HST 373: Roman History I: Foundations and Republic	SLC 447: German Modernism
HST 374: Roman History II: The Roman Empire	SLC 450: Experimental Narrative
HST 495: Politics in the Ancient Greek World (L)	SLC 451: Chinese Cultural History I ((HU or SB) & H)
LAT 421: Roman Literature (HU)	SLC 452: Chinese Cultural History II (SB & G & H)
PHI 328: History of Ancient Philosophy (HU & H)	SLC 455: Multi-Kulti: Multiculturalism Through Film (G)
POS 340: History of Political Philosophy I (HU & H)	

REL 315: Hebrew Bible (Old Testament) (L or HU) & H)	SLC 457: Premodern Korea in a Global Context
REL 316: Literary Readings of the Hebrew Bible (L or HU)	SLC 459: Latin American Jewish Culture
REL 371: New Testament (HU)	SLC 475: Latin American Film ((L or HU) & G)
REL 375: Lost Scriptures, Lost Christianities (HU)	SLC 494: Special Topics
SLC 344: Classics and Comics	
SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War	
SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)	
SLC 360: Greece and Rome at War	
SLC 361: Roman Religion (HU)	
SLC 362: Ancient Greek Religion	
SLC 373: Roman History I: Foundations and Republic	
SLC 374: Roman History II: The Roman Empire	
SLC 444: Heroes, Ancient and Modern (L or HU)	

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map






### International Letters and Cultures (Classics) - Greek, BA







School/College: [The College of Liberal Arts and Sciences](#)





Location: [Tempe campus](#)



LASLCCBA




Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRK 101: Elementary Ancient Greek	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>• Engage in the <b>Classics</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> </ul>
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Mathematics (MA) ( MAT 142 recommended)	3	C	
 Minimum 2.33 GPA ASU Cumulative.			
 Minimum 3.00 GPA in GRK.			
Term hours subtotal:	14		



Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRK 201: Intermediate Ancient Greek	4	C	<ul style="list-style-type: none"> <li>• Start planning your study abroad experience. Learn about faculty-directed <b>summer study abroad programs</b> offered through the School of International Letters and Cultures.</li> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>• Attend a <b>Financing Your Study Abroad Program</b> Workshop.</li> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.33 GPA ASU Cumulative.			
 Minimum 3.00 GPA in GRK.			
Term hours subtotal:	16		


Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRK 301: Ancient Greek Literature I (HU)	3	C	<ul style="list-style-type: none"> <li>• Students are required to take GRK 301 twice.</li> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> </ul>
 SLC 202: Introduction to Literary and Cultural Theory	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
 Minimum 3.00 GPA in GRK.			
Term hours subtotal:	16		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b>  <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRK 302: Ancient Greek Literature II (HU)	3	C	<ul style="list-style-type: none"> <li>• Students are required to take GRK 302 twice.</li> <li>• Learn about <b>internship, scholarships and awards</b> opportunities.</li> <li>• Explore your <b>career interest</b> area.</li> <li>• Learn about research opportunities through the <b>Humanities Lab</b>.</li> </ul>
HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire	3	C	
Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
 Minimum 3.00 GPA in GRK.			
Term hours subtotal:	15		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRK 301: Ancient Greek Literature I (HU)	3	C	<ul style="list-style-type: none"> <li>• Students are required to take GRK 301 twice.</li> <li>• Learn about <b>national scholarships, fellowships and research</b> opportunities.</li> </ul>
HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire	3	C	
PHI 328: History of Ancient Philosophy (HU & H)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRK 302: Ancient Greek Literature II (HU)	3	C	<ul style="list-style-type: none"> <li>• Students are required to take GRK 302 twice.</li> <li>• Students must take a minimum of eight credit hours in related area courses. Credit hours in excess of the eight required credit hours will be counted as elective hours toward the 120 total credit required for any ASU degree.</li> <li>• Explore your <b>career interest</b> area.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Upper Division Elective	6		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Students must take a minimum of seven credit hours in related area courses. Credit hours in excess of the even required credit hours will be counted as elective hours toward the 120 total credit required for any ASU degree.</li> <li>• Explore your <b>career interest</b> area.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR SLC 484: Internship	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 491: Crossing Languages and Cultures OR 4** SLC Required Culture Course Option	3	C	



★ Related Area Course	4	C
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	13	

- Attend an **ASU Career Services** workshop or job fair.

- Students may choose Related Area courses from any of the track lists below. Contact a School of International Letters and Sciences **academic advisor** for additional Related Area Course options.
- SLC Language and/or translation courses may not be used for the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

Related Area Courses	SLC 400-Level Required Culture Course Option
APH 300: World Architecture I/Western Cultures (HU & H & G)	SLC 414: French and Italian Popular Culture ((L or HU) & G)
APH 313: History of Architecture I ((L or HU) & G & H)	SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)
ARS 101: Art from Prehistory Through Middle Ages (HU & H)	SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)
ARS 402: Art of Ancient Egypt (HU & H)	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)
ARS 404: Greek Art (HU & H)	SLC 439: Art in Exile: VladĂ-mir VladĂ-mirovich Nabokov (HU & L)
ARS 406: Roman Art (HU & H)	SLC 441: Fairy Tales (HU & G)
ARS 504: Critical Approaches to Greek Art	SLC 444: Heroes, Ancient and Modern (L or HU)
ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H)	SLC 445: The Holocaust in German-Mediated Memory
ASB 330: Understanding Archaeology (SB)	SLC 446: Weimar-Era German Film
ASB 525: Introduction to Material Culture	SLC 447: German Modernism
ENG 303: Classical Backgrounds of English Literature (HU)	SLC 450: Experimental Narrative
GRK 4** Elective	SLC 451: Chinese Cultural History I ((HU or SB) & H)
HPS 322: History of Science (HU & H)	SLC 452: Chinese Cultural History II (SB & G & H)
HST 348: Rome (SB & H)	SLC 455: Multi-Kulti: Multiculturalism Through Film (G)
HST 349: Early Middle Ages ((HU or SB) & H)	SLC 457: Premodern Korea in a Global Context
HST 350: Later Middle Ages ((HU or SB) & H)	SLC 459: Latin American Jewish Culture
HST 362: Sex and Society in Classical and Medieval Europe (SB & H)	SLC 475: Latin American Film ((L or HU) & G)
LAT 4** Elective	
POS 340: History of Political Philosophy I (HU & H)	

REL 203: Saints and Sinners: Explorations in Sacred Biography (HU & H)

SLC 494: Special Topics

REL 310: Western Religious Traditions (HU & H)

REL 315: Hebrew Bible (Old Testament) (L or HU) & H)

REL 316: Literary Readings of the Hebrew Bible (L or HU)

REL 371: New Testament (HU)

REL 372: Formation of the Christian Tradition (HU & H)

REL 375: Lost Scriptures, Lost Christianities (HU)

REL 382: Magick, Religion and Science (L or HU)

SLC 142: Ancient Greek Civilization (HU & H)

SLC 144: The Ancient Mediterranean

SLC 221: Survey of Ancient Greek Literature (HU)

SLC 222: Survey of Roman Literature (HU)

SLC 223: Introduction to Greek and Roman Mythology (HU)

SLC 344: Classics and Comics

SLC 360: Greece and Rome at War

SLC 361: Roman Religion (HU)

SLC 362: Ancient Greek Religion

SLC 373: Roman History I: Foundations and Republic

SLC 374: Roman History II: The Roman Empire

SLC 444: Heroes, Ancient and Modern (L or HU)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### International Letters and Cultures (Classics) - Latin, BA





School/College: The College of Liberal Arts and Sciences

Location: Tempe campus






LASLCCBA


Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>• Engage in the <b>Classics</b> at ASU.</li> <li>• Explore your <b>interests</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LAT 101: Elementary Latin	4	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Mathematics (MA) ( MAT 142 recommended)	3	C	
 Minimum 2.33 GPA ASU Cumulative.			
 Minimum 3.00 GPA in LAT.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Start planning your study abroad experience. Learn about <b>Study Abroad faculty-directed programs</b> offered through the <b>ASU Study Abroad Office</b> and the <b>School of International Letters and Cultures</b>.</li> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b></li> </ul>
LAT 102: Elementary Latin	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 3.00 GPA in LAT.			
Term hours subtotal:	16		



Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
LAT 201: Intermediate Latin I (HU)	4	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>• Attend a <b>Financing Your Study Abroad Program</b> Workshop.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
 Minimum 3.00 GPA in LAT.			
Term hours subtotal:	16		

Minimum

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Grade	Notes
 LAT 202: Intermediate Latin II (HU)	4	C	<ul style="list-style-type: none"> <li>• Learn about internships, scholarships and award opportunities.</li> <li>• Explore research opportunities through the Humanities Lab.</li> </ul>
 SLC 202: Introduction to Literary and Cultural Theory	3	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Minimum 2.33 GPA ASU Cumulative.			
 Minimum 3.00 GPA in LAT.			
Term hours subtotal:	14		

Term 5 60 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire	3	C	<ul style="list-style-type: none"> <li>• Learn about national scholarships, fellowships, and research opportunities.</li> </ul>
 LAT 421: Roman Literature (HU)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 LAT 421: Roman Literature (HU)	3	C	<ul style="list-style-type: none"> <li>• Students must take a minimum of eight credit hours in related area courses. Credit hours in excess of the eight required credit hours will be counted as elective hours toward the 120 total credit required for any ASU degree.</li> <li>• Explore your career interest area</li> <li>• Use Handshake to research employment opportunities</li> </ul>
Complete 2 courses: Related Area Courses	5	C	
Upper Division Elective	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 90 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire	3	C	<ul style="list-style-type: none"> <li>• Students must take a minimum of eight credit hours in related area courses. Credit hours in excess of the eight required credit hours will be counted as elective hours toward the 120 total credit required for any ASU degree.</li> <li>• Gather professional references</li> </ul>
Related Area Courses	3	C	
Upper Division Elective OR SLC 484: Internship	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 4** SLC 400-level Required Culture Course	3	C	<ul style="list-style-type: none"> <li>• Attend a career and internship event.</li> </ul>
Complete 4 courses: Upper Division Elective	12		

Term hours subtotal: 15

- Students may choose related area courses from any of the three track groups. Contact a School of International Letters and Sciences [academic advisor](#) for additional Related Area Course options.
- SLC Language and/or translation courses may not be used for the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

Related Area	SLC 400-Level Required Culture Course
APH 300: World Architecture I/Western Cultures (HU & H & G)	SLC 414: French and Italian Popular Culture ((L or HU) & G)
APH 313: History of Architecture I ((L or HU) & G & H)	SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)
ARS 101: Art from Prehistory Through Middle Ages (HU & H)	SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)
ARS 402: Art of Ancient Egypt (HU & H)	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)
ARS 404: Greek Art (HU & H)	SLC 429: What is Europe? ((L or HU) & G & H)
ARS 406: Roman Art (HU & H)	SLC 439: Art in Exile: VladĂ-mir VladĂ-mirovich Nabokov (HU & L)
ARS 504: Critical Approaches to Greek Art	SLC 441: Fairy Tales (HU & G)
ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H)	SLC 444: Heroes, Ancient and Modern (L or HU)
ASB 330: Understanding Archaeology (SB)	SLC 445: The Holocaust in German-Mediated Memory
ENG 303: Classical Backgrounds of English Literature (HU)	SLC 446: Weimar-Era German Film
GRK Elective	SLC 447: German Modernism
HPS 322: History of Science (HU & H)	SLC 450: Experimental Narrative
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War	SLC 451: Chinese Cultural History I ((HU or SB) & H)
HST 348: Rome (SB & H)	SLC 452: Chinese Cultural History II (SB & G & H)
HST 349: Early Middle Ages ((HU or SB) & H)	SLC 457: Premodern Korea in a Global Context
HST 350: Later Middle Ages ((HU or SB) & H)	SLC 459: Latin American Jewish Culture
HST 362: Sex and Society in Classical and Medieval Europe (SB & H)	SLC 475: Latin American Film ((L or HU) & G)
HST 373: Roman History I: Foundations and Republic	SLC 494: Special Topics
HST 374: Roman History II: The Roman Empire	
HST 495: Politics in the Ancient Greek World (L)	

LAT Elective

LAT 421: Roman Literature (HU)

PHI 328: History of Ancient Philosophy (HU & H)

POS 340: History of Political Philosophy I (HU & H)

REL 310: Western Religious Traditions (HU & H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

REL 316: Literary Readings of the Hebrew Bible (L or HU)

REL 371: New Testament (HU)

REL 372: Formation of the Christian Tradition (HU & H)

REL 375: Lost Scriptures, Lost Christianities (HU)

SLC 344: Classics and Comics

SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War

SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)

SLC 360: Greece and Rome at War

SLC 361: Roman Religion (HU)

SLC 362: Ancient Greek Religion

SLC 373: Roman History I: Foundations and Republic

SLC 374: Roman History II: The Roman Empire

SLC 444: Heroes, Ancient and Modern (L or HU)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Italian, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAITABA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>• Learn about <a href="#">Italian language intensive courses</a>.</li> <li>• Engage in <a href="#">Italian</a> at ASU. Practice your language skills at the <a href="#">SILC Cafe</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ITA 101: Elementary Italian I (G)	4-6	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14-16		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Start planning your <a href="#">study abroad</a> experience. Attend a <a href="#">Financing Your Study Abroad Program Workshop</a></li> <li>• Learn about summer abroad <a href="#">Italian Language and Culture in San Severino Marche</a>.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ITA 102: Elementary Italian II (G)	4-6	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16-18		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ITA 201: Intermediate Italian I (G)	4	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <a href="#">academic advisor</a> to learn about internship opportunities in Italian and to discuss the best study abroad options for your major.</li> <li>• Learn about research opportunities through the <a href="#">Humanities Lab</a>.</li> <li>• Learn about <a href="#">scholarship opportunities</a> for language and culture majors.</li> <li>• Explore your <a href="#">Career interest</a> area</li> </ul>
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
		<b>Minimum</b>	

Term 4 44 - 61 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Grade	Notes
🚩 ITA 202: Intermediate Italian II (G)	4	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> or Italian faculty member to learn about <b>internship opportunities</b> in Italian and to discuss the best study abroad options for your major.</li> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> </ul>
🚩 SLC 202: Introduction to Literary and Cultural Theory	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	17		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ITA 311: Speak Italy: Language, People, Culture (G)	3	C	<ul style="list-style-type: none"> <li>• Learn about <b>national scholarships, fellowships and research opportunities</b>.</li> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> </ul>
ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G)			
★ OR ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans OR ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)	3	C	
★ ITA Upper Division Elective	3	C	
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ITA 312: Write Italy: Language, People, Culture (L & G)	3	C	<ul style="list-style-type: none"> <li>• Learn about <b>scholarships and awards</b> for language and culture majors.</li> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>• Attend an <b>ASU Career Services</b> workshop.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G)			
★ OR ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans OR ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)	3	C	
★ ITA 4** Elective	3	C	
Upper Division Related Area Course	3	C	
Elective	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 92 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FRE 101: Elementary French I (G)	4		<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to learn about internship and career opportunities in Italian.</li> </ul>
★ ITA 413: Advanced Italian (G)	3	C	
ITA 4** Elective	3	C	
Upper Division Elective OR ITA 484: Internship	3		
Term hours subtotal:	13		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G)			<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to learn about internship and <b>career opportunities</b> in Italian.</li> </ul>
★ OR ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans OR ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)	3	C	

★ ITA 4** Elective	3	C
★ 4** SLC Required Culture Course Option	3	C
Upper Division Elective OR ITA 484: Internship	3	
Upper Division Elective	3	
Term hours subtotal:	15	

- Attend an ASU Career Services workshop or job fair.

- SLC Language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option. The Italian major may take only 6 hours of ITA courses taught in English.

Hide Course List(s)/Track Group(s)

Related Area Course	SLC 400-Level Required Culture Course Option
ARS 310: The Renaissance in Tuscany	SLC 414: French and Italian Popular Culture (HU & G)
ARS 414: Monasteries, Madonnas and Manuscripts (HU & H)	SLC 415: Korean Popular Culture
ARS 424: Italian Baroque Art (HU & H)	SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)
ARS 438: Art of the 20th Century I (HU & H)	SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)
ARS 439: Art of the 20th Century II (HU & H)	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)
COM 371: Language, Culture, and Communication (SB & C & G)	SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)
FMP 404: World Cinema (G)	SLC 441: Fairy Tales (HU & G)
GCU 325: Geography of Europe (SB & G)	SLC 444: Heroes, Ancient and Modern (L or HU)
GCU 359: Cities of the World I (SB & G & H)	SLC 445: The Holocaust in German-Mediated Memory
HST 349: Early Middle Ages ((HU or SB) & H)	SLC 446: Weimar-Era German Film
HST 350: Later Middle Ages ((HU or SB) & H)	SLC 447: German Modernism
HST 351: Renaissance Europe ((L or HU or SB) & H)	SLC 450: Experimental Narrative
HST 352: Europe's Reformations ((L or HU or SB) & H)	SLC 451: Chinese Cultural History I ((HU or SB) & H)
HST 356: Europe since 1945 (SB & G & H)	SLC 452: Chinese Cultural History II (SB & G & H)
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)	SLC 455: Multi-Kulti: Multiculturalism Through Film (G)
HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)	SLC 457: Premodern Korea in a Global Context
HST 362: Sex and Society in Classical and Medieval Europe (SB & H)	SLC 459: Latin American Jewish Culture
HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)	

HST 364: Sex and Society in Modern Europe (L or SB) & H)	SLC 475: Latin American Film ((L or HU) & G)
HST 365: World Wars I and II: Europe's Eastern Front	SLC 494: Special Topics
HST 368: Culture and Imagination in European History (HU & H)	
HST 465: Women in Europe, 1750 to Present ((HU or SB) & H)	
POS 356: European Union (SB & G)	
POS 360: World Politics (SB & G)	
POS 486: International Political Economy (SB & G)	
REL 372: Formation of the Christian Tradition (HU & H)	
REL 385: Contemporary Western Religious Thought (HU)	
REL 470: Religion in the Middle Ages (HU & H)	
REL 471: Reformation and Modern Christianity (HU & H)	
SLC 340: Approaches to International Cinema (HU & G)	
SGS 360: Cultural Aspects of Globalization	
SLC 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G)	
SLC 340: Approaches to International Cinema (HU & G)	
SLC 373: Roman History I: Foundations and Republic	
SLC 374: Roman History II: The Roman Empire	
SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)	
SLC 429: Societies and Culture in Modern Europe ((L or HU) & G & H)	
SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)	
SLC 439: Art in Exile: Vladĩmir Vladĩmirovich Nabokov (HU & L)	
SLC 445: The Holocaust in German-Mediated Memory	
SLC 446: Weimar-Era German Film	
SLC 447: German Modernism	

SLC 455: Multi-Kulti: Multiculturalism  
Through Film (G)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Jewish Studies, BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAJSTBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>• Students completing Biblical Hebrew will need 4 extra elective hours to reach the 120 required for graduation.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent).	4	C	
Humanities, Arts and Design (HU)	3		
Elective	2		
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Many General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• If interested in law school, review <b>Pre-Law at ASU</b> website.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent).	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H) OR HST 230: Introduction to Jewish Civilization (HU & H & G) or JST 230: Introduction to Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>• Explore opportunities to <b>study abroad</b></li> </ul>
Related Area Course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		

Second Language: Requirement satisfied through the following:  
 \* Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent). 4 C

Elective 3

❗ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Maintain 2.50 GPA in Major Courses.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ Primary Concentration course	3	C	<ul style="list-style-type: none"> <li>• Students must choose one of the three concentrations as the primary concentration and take 15 hours of course work from that concentration. For the 9 hours outside of primary concentration, students may select from courses in the other two concentration areas.</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> </ul>
Course Outside Primary Concentration	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent).	4	C	
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Primary Concentration course	3	C	<ul style="list-style-type: none"> <li>• Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if G requirement has not already been satisfied.</li> <li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> </ul>
Primary Concentration course	3	C	
Upper Division Related Area Course	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Primary Concentration course	3	C	<ul style="list-style-type: none"> <li>• Explore <b>graduate school</b> opportunities.</li> <li>• If planning on law school, prepare to take the <b>LSAT</b>.</li> <li>• Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li> </ul>
Upper Division Course Outside Primary Concentration	3	C	
Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective OR JST 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Primary Concentration course	3	C	

Upper Division Course Outside Primary Concentration	3	C
Upper Division Related Area Course	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Upper Division Elective	3	
Maintain 2.50 GPA in Major Courses.		
Term hours subtotal:	15	

- Use Handshake to research employment opportunities.
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JST 490: History and Memory in Jewish Tradition (L) OR JST 491: History of Antisemitism OR JST 495: Judaism, Science and World Religions OR JST 496: Biblical Narratives: Literary Approaches	3	C	<ul style="list-style-type: none"> <li>• Students complete JST 490, JST 491, JST 495, or JST 496 as a capstone course for the Jewish Studies major.</li> <li>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> <li>• Apply for career opportunities.</li> </ul>
Upper Division Related Area Course	3	C	
Complete 3 courses:			
Upper Division Elective	9		
★ Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

Students must choose one of the three concentrations as the primary concentration and take 15 hours of course work from that concentration. For the 9 hours outside of primary concentration, students may select from courses in the other two concentration areas.

#### Hide Course List(s)/Track Group(s)

History and Society Concentration	Literature and Culture Concentration	Religion and Thought Concentration
HEB 375: Contemporary Culture of Israel (HU & G)	ENG 356: The Bible as Literature (HU)	HEB 375: Contemporary Culture of Israel (HU & G)
HST 304: History of Antisemitism (SB & H), Jews and Christians in the Middle Ages (SB & H), Jews, Christians, & Muslims in Medieval Europe (SB & H), Rebirth of European Jewish Life after 1950 (SB & H)	HEB 349: Israeli Wars in Israeli Movies (HU & G)	HST 314: American Cultural History Since 1865 ((HU or SB) & H)
HST 358: Jewish History from Antiquity to 1492 (SB & H)	HEB 375: Contemporary Culture of Israel (HU & G)	JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H)
HST 359: Jewish History from 1492 to 1948 (SB & G & H)	JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H)	JST 211: Jews and Judaism in America (SB & H) or HST 211: Jews and Judaism in America (SB & H) or REL 211: Jews and Judaism in America (SB & H)
HST 372: Modern Middle East (SB & G & H)	JST 211: Jews and Judaism in America (SB & H) or HST 211: Jews and Judaism in America (SB & H) or REL 211: Jews and Judaism in America (SB & H)	JST 314: Jewish Philosophy or HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy
JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H)	JST 230: Introduction to Jewish Civilization (HU & H & G) or HST 230: Introduction to Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization (HU & H & G)	JST 315: Hebrew Bible (Old Testament) ((L or HU) & H) or REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)
JST 211: Jews and Judaism in America (SB & H) or HST 211: Jews and Judaism in America (SB & H) or REL 211: Jews and Judaism in America (SB & H)	JST 314: Jewish Philosophy or HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy	JST 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU) or
JST 230: Introduction to Jewish Civilization (HU & H & G) or HST 230: Introduction to		



Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization (HU & H & G)	JST 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU) or HEB 316: Literary Readings of the Hebrew Bible (L or HU) or REL 316: Literary Readings of the Hebrew Bible (L or HU)	HEB 316: Literary Readings of the Hebrew Bible (L or HU) or REL 316: Literary Readings of the Hebrew Bible (L or HU)
JST 304: Studies in European History (SB & H)		JST 318: Contemporary American Jewish Identities ((HU or SB) & C) or REL 318: Contemporary American Jewish Identities ((HU or SB) & C)
JST 318: Contemporary American Jewish Identities ((HU or SB) & C) or REL 318: Contemporary American Jewish Identities ((HU or SB) & C)	JST 318: Contemporary American Jewish Identities ((HU or SB) & C) or REL 318: Contemporary American Jewish Identities ((HU or SB) & C)	JST 411: Judaism and the Beginnings of Christianity (HU & H) or HEB 411: Judaism and the Beginnings of Christianity (HU & H) or REL 411: Judaism and the Beginnings of Christianity (HU & H)
JST 348: Israeli Society and Culture (HU & G) or HEB 348: Israeli Society and Culture (HU & G) or REL 311: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)	JST 347: Modern Israeli Literature in Translation (HU & G) or HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)	JST 495: Judaism, Science and World Religions
JST 369: History and Memory of the Holocaust or HST 369: History and Memory of the Holocaust or REL 312: History and Memory of the Holocaust	JST 445: The Holocaust in German-Mediated Memory or FMS 445: The Holocaust in German-Mediated Memory or GER 445: The Holocaust in German-Mediated Memory or SLC 445: The Holocaust in German-Mediated Memory	REL 207: Ritual, Symbol, and Myth (L or HU)
JST 490: History and Memory in Jewish Tradition (L)		REL 310: Western Religious Traditions (HU & H)
JST 491: History of Antisemitism	JST 459: Latin American Jewish Culture or SLC 459: Latin American Jewish Culture or SPA 459: Latin American Jewish Culture	REL 385: Contemporary Western Religious Thought (HU)
REL 410: Judaism in Modern Times (HU & H)	JST 496: Biblical Narratives: Literary Approaches	
STS 364: Science, Technology, and National Security (SB)	REL 313: Anti-Semitism in the Media	
<b>Related Area</b>		
<b>ASB OR HST OR POS OR REL OR SGS OR SOC OR WST Elective</b>		
AFR 200: Introduction to Africana Studies (SB & G & H)		
AFR 301: Race and Racism in Africa/African Diaspora (SB & G)		
AFR 318: African and African Diaspora Women Writers (HU & G)		
AFR 370: Family, Ethnic and Cultural Diversity (SB & C)		
AFR 375: Race, Gender and Sport (SB & C)		
ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)		
ARB 335: Arabic Culture and Islam (G)		
ARB 336: Introduction to the Qur'an		
ARB 337: Hadith and Prophetic Tradition		
ARB 341: Quran Text and Women (HU & H)		
ARB 351: Classical Arabic Literature		

ARB 352: Modern Arabic Literature in Translation

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CRJ 100: Introduction to Criminal Justice (SB)

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ENG 315: Medieval Literature in Translation (HU)

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ENG 333: Magic Jews: Contemporary American Jewish Fiction ((L or HU) & C)

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ENG 356: The Bible as Literature (HU)

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ENG 364: Women and Literature (HU)

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GCU 328: Geography of Middle East and North Africa (SB & G)

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GER 315: Germanic Mythology (HU & G)

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GER 416: German Civilization (HU & H & G)

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GER 421: German Literature Survey, 800-1800 (HU)

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GER 422: German Literature Survey, 1800-Today (L or HU)

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GER 431: German Humor

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GER 441: Fairy Tales (HU & G)

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IAS 430: Science and Religion (L or HU)

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JUS 320: Community and Social Justice (SB & C)

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JUS 352: The Global Politics of Human Rights (SB & G)

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JUS 360: Law and Social Control (SB)

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JUS 374: The Holocaust, Genocide, and Human Rights

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JUS 425: Race, Gender, and Justice ((L or SB) & C)

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JUS 430: Social Protest, Conflict, and Change ((L or SB) & C)

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JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C)

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JUS 467: Terrorism, War, and Justice (SB)

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PHI 336: Social and Political Philosophy (HU)

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PSY 350: Social Psychology (SB)

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SLC 142: Ancient Greek Civilization (HU & H) or GRK 142: Ancient Greek Civilization (HU & H)

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SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to

Greek and Roman Mythology (HU) or LAT  
223: Introduction to Greek and Roman  
Mythology (HU)

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SLC 361: Roman Religion (HU) or LAT 361:  
Roman Religion (HU)

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SLC 362: Ancient Greek Religion or GRK  
362: Ancient Greek Religion

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SLC 444: Heroes, Ancient and Modern (L or  
HU) or GRK 444: Heroes, Ancient and  
Modern (L or HU) or LAT 444: Heroes,  
Ancient and Modern (L or HU)

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SLC 455: Multi-Kulti: Multiculturalism  
Through Film (G) or GER 455: Multi-Kulti:  
Multiculturalism Through Film (G)

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SPA 325: Introduction to Hispanic Literature  
(HU)

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SPA 425: Foundational Texts of Spain (L or  
HU)

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SPA 426: Literature and Society in Modern  
Spain (HU)

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SPA 427: Colonial and Postcolonial Latin  
American Literature (L or HU)

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SPA 428: Foundational Texts of Latin  
American Literature Since Modernismo ((L or  
HU) & G)

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SPA 429: Writing Mexico: Major Texts ((L or  
HU) & G)

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SPA 434: Drama of the Golden Age

---

SPA 456: 20th-Century Spanish American  
Fiction

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SPA 464: JaitÃ³n Works in Chicano/a  
Literature ((HU or SB) & C)

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SPA 471: Civilization of the  
Indohispanomexicano Southwest ((L or HU) &  
C)

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SPA 472: Latin American Society: Five Case  
Studies (HU & H & G)

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SPA 473: Old and New Spaniards: Culture and  
Civilization of Spain ((HU or SB) & G)

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SPA 485: Chicano/a Short Story: Espanglish,  
Barrio y Xicanisma (L & C)

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SPA 486: Chicano/a Novel: Ãltima, Rafa y  
Lala

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SPA 487: Chicano/a Drama: Pachucos,  
Vendidos y Cerezitas (C)

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THP 482: Theatre for Social Change (C)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Justice Studies, BA



School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAJUSBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JUS 105: Introduction to Justice Studies (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement into a mathematics course</li> <li>• ASU 101 or College Specific equivalent First Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior hours earned.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft resume</li> </ul>
JUS Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 218: Writing About Literature (L or HU) OR ENG 301: Writing for the Professions (L)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			

❖ Complete Mathematics (MA) requirement.

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ JUS 303: Justice Theory (L)	3		<ul style="list-style-type: none"> <li>Explore an <b>internship</b>- Contact the SST Advising office at 480-965-7682 to schedule an appointment with our internship coordinator</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JUS 301: Research in Justice Studies (SB)	3		
JUS 3** Elective	3	C	
Upper Division Related Area Course	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective OR JUS 484: Internship	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JUS 3** Elective	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b></li> <li>Use Handshake to research <b>employment opportunities</b></li> </ul>
★ JUS 4** Elective	3	C	
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b></li> </ul>
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

		Minimum	
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Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Grade	Notes
 Complete 2 courses:			
JUS 4** Elective	6	C	
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Elective	2		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

- All Justice Studies students must complete 12 upper division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below, as well as upper division courses from non-English language disciplines. No more than two courses can be used from a single discipline and at least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Hide Course List(s)/Track Group(s)

Related Area Courses
AFR OR AFH OR AFS Upper Division Elective
AIS Upper Division Elective
APA Upper Division Elective
ARS Upper Division Elective
ASB Upper Division Elective
ASM Upper Division Elective
CDE Upper Division Elective
COM Upper Division Elective
CRJ Upper Division Elective
ECN Upper Division Elective
ENG Upper Division Elective
FAS Upper Division Elective
FMS Upper Division Elective
GCU Upper Division Elective
GPH Upper Division Elective
HST Upper Division Elective
IED Upper Division Elective
MHL Upper Division Elective
PHI Upper Division Elective
POS Upper Division Elective

PSY Upper Division Elective

REL Upper Division Elective

SGS Upper Division Elective

SOC Upper Division Elective

SST Upper Division Elective

TCL Upper Division Elective

THE Upper Division Elective

WST Upper Division Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Justice Studies, BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAJUSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JUS 105: Introduction to Justice Studies (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement into a mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a></li> </ul>
JUS Elective	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 218: Writing About Literature (L or HU) OR ENG 301: Writing for the Professions (L)	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Grade	Notes
🚩 JUS 303: Justice Theory (L)	3		<ul style="list-style-type: none"> <li>Explore an <b>internship</b>- call the SST Advising office at 480-965-7682 to schedule an appointment with our internship coordinator!</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 3 courses:			
Elective	9		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ JUS 301: Research in Justice Studies (SB)	3		<ul style="list-style-type: none"> <li>24 credit hours completed and 2.00 ASU cumulative GPA required to enroll in JUS 300-level elective courses</li> </ul>
⭐ Upper Division Related Area	3	C	
JUS 302: Statistical Analysis for Justice Studies (CS)	3		
Elective OR JUS 484: Internship	3		
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ Complete 2 courses:			<ul style="list-style-type: none"> <li>24 credit hours completed and 2.00 ASU cumulative GPA required to enroll in JUS 300-level elective courses</li> <li>Gather <b>professional references</b></li> <li>Use Handshake to research <b>employment opportunities</b></li> </ul>
Upper Division Related Area	6	C	
Complete 2 courses:			
JUS 3** Elective	6	C	
Upper Division CLAS Science and Society Elective	3	C	
Minimum 2.00 GPA ASU Cumulative.			
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ JUS 4** Elective	3	C	<ul style="list-style-type: none"> <li>2.00 ASU cumulative GPA required to enroll in JUS 400-level elective courses</li> <li>Apply for <b>full-time career opportunities</b></li> </ul>
Upper Division Related Area	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ Complete 2 courses:			
JUS 4** Elective	6	C	
Complete 2 courses:			
Elective	6		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

All Justice Studies students must complete 12 upper division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below, as well as upper division courses from non-English language disciplines. No more than two courses can be used from a single discipline and at least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Hide Course List(s)/Track Group(s)

Related Area Courses
AFR OR AFH OR AFS Upper Division Elective
AIS Upper Division Elective
APA Upper Division Elective
ARS Upper Division Elective
ASB Upper Division Elective
ASM Upper Division Elective
CDE Upper Division Elective
COM Upper Division Elective
CRJ Upper Division Elective
ECN Upper Division Elective
ENG Upper Division Elective
FAS Upper Division Elective
FMS Upper Division Elective
GCU Upper Division Elective
GPH Upper Division Elective
HST Upper Division Elective
IED Upper Division Elective
MHL Upper Division Elective
PHI Upper Division Elective
POS Upper Division Elective
PSY Upper Division Elective
REL Upper Division Elective

SGS Upper Division Elective

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SOC Upper Division Elective

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SST Upper Division Elective

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TCL Upper Division Elective

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THE Upper Division Elective

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WST Upper Division Elective

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map

### Justice Studies, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online](#)


LAJUSBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JUS 105: Introduction to Justice Studies (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or College specific equivalent First Year Seminar is required for all freshman students</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - B 20 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
JUS Elective	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
CLAS Science and Society Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		
Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			

 Complete First-Year Composition requirement.

Term hours subtotal: 6

Term 4 - A 39 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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ENG 215: Strategies of Academic Writing (L) OR ENG 216:  Persuasive Writing on Public Issues (L) OR ENG 301: Writing for the Professions (L)	3	C	
Elective	3		

Term hours subtotal: 6

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
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Humanities, Arts and Design (HU) AND Global Awareness (G)	3		• Explore an <b>internship</b> .
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Minimum 2.00 GPA ASU Cumulative.			


Term hours subtotal: 6

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 JUS 303: Justice Theory (L)	3		
Elective	3		

Term hours subtotal: 6




Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 JUS 301: Research in Justice Studies (SB)	3		
Elective	3		

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 JUS 302: Statistical Analysis for Justice Studies (CS)	3		• For JUS 3** Elective, students cannot use JUS 301, 302, 303, or 305.
 JUS 3** Elective	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 6

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 Upper Division Related Area Course	3	C	• Gather <b>professional references</b> . • Use Handshake to research <b>employment opportunities</b>
Upper Division CLAS Science and Society Elective	3	C	
Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 JUS 3** Elective	3	C	• For JUS 3** Elective, students cannot use JUS 301, 302, 303, or 305.
Elective	3		

Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	• For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.
Upper Division Related Area Course	3	C	
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	• For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.
Elective	3		
Term hours subtotal:	6		
Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	• Apply for full-time career opportunities.
Upper Division Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	• For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.
Elective	3		
Term hours subtotal:	6		
Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	6		
Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	3		

- All Justice Studies students must complete 12 upper division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below, as well as upper division courses from non-English language disciplines. No more than two courses can be used from a single discipline and at least one course must be chosen from one of the disciplines in the School

of Social Transformation (AFR/AFH/AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR OR AFH OR AFS Upper Division  
Elective

AIS Upper Division Elective

APA Upper Division Elective

ARS Upper Division Elective

ASB Upper Division Elective

ASM Upper Division Elective

CDE Upper Division Elective

COM Upper Division Elective

CRJ Upper Division Elective

ECN Upper Division Elective

ENG Upper Division Elective

FAS Upper Division Elective

FMS Upper Division Elective

GCU Upper Division Elective

GPH Upper Division Elective

HST Upper Division Elective

IED Upper Division Elective

MHL Upper Division Elective

PHI Upper Division Elective

POS Upper Division Elective

PSY Upper Division Elective

REL Upper Division Elective

SGS Upper Division Elective

SOC Upper Division Elective

TCL Upper Division Elective

THE Upper Division Elective

WST Upper Division Elective

**Notes:**



- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Mathematics, BA




School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAMATBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS) OR CSE 100: Principles of Programming with C++ (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Field	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)</li> <li>• PHY 121/PHY 122 and/or MSE 208 are recommended to satisfy the Natural Science - Quantitative (SQ) requirement as they also satisfy Related Field requirements.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Develop your <b>skills</b>.</li> </ul>
⚠ MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 61 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
Complete 2 courses: Related Field	6	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 77 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Course in the Major (ACT, MAT or STP)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Meet with a career counselor from ASU Career Services for a review of your <b>resume</b> and <b>interviewing</b> tips for success.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> <li>• PHI 103 is recommended for the Literacy and Critical Inquiry (L) requirement.</li> </ul>
Related Field	2	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR MAT 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses: ★ Upper Division Additional Course in the Major (ACT, MAT or STP)	6	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

		Minimum	
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Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Additional Course in the Major (ACT, MAT or STP)	4	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Meet with your academic advisor for final degree check and apply for graduation through your My ASU.</li> </ul>
★ Additional Course in the Major (ACT, MAT or STP)	2	C	
Complete 3 courses:			
Upper Division Elective	8		
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Additional Course in the Major (ACT, MAT or STP)	Related Field
ACT Upper Division Elective	ACT Upper Division Elective
MAT 243: Discrete Mathematical Structures	AST Upper Division Elective
MAT 274: Elementary Differential Equations (MA) or MAT 275: Modern Differential Equations (MA)	BCH 4** Elective
MAT Upper Division Elective	BME Upper Division Elective
STP 4** Elective	CEE Upper Division Elective
	CHE Elective
	CHM 341: Elementary Physical Chemistry
	CHM 343: Elementary Physical Chemistry Laboratory
	CHM 345: Physical Chemistry I
	CHM 346: Physical Chemistry II
	CHM 348: Physical Chemistry Laboratory I (L)
	CHM 349: Physical Chemistry Laboratory II (L)
	CHM 453: Inorganic Chemistry
	CHM 460: Biological Chemistry
	CHM 471: Solid-State Chemistry
	CIS 2** Elective
	CIS Upper Division Elective
	CSE Elective
	ECN Upper Division Elective
	EEE Elective
	FIN Upper Division Elective
	GLG 418: Geophysics
	GLG 419: Geodynamics

GLG 470: Hydrogeology
GLG 481: Geochemistry
IEE Upper Division Elective
MAE Elective
MAT 243: Discrete Mathematical Structures
MAT 274: Elementary Differential Equations (MA) or MAT 275: Modern Differential Equations (MA)
MAT Upper Division Elective
MSE Elective
PHI 333: Introduction to Symbolic Logic
PHI 413: Advanced Symbolic Logic
PHY 121: University Physics I: Mechanics (SQ)
PHY 122: University Physics Laboratory I (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)
PHY 132: University Physics Laboratory II (SQ)
PHY 150: Physics I (SQ)
PHY 151: Physics II (SQ)
PHY 2** Elective
PHY Upper Division Elective
STP Upper Division Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Mathematics, BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAMATBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Elective	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.</li> <li>PHI 103 Principles of Sound Reasoning is recommended to satisfy the Literacy and Critical Inquiry (L) requirement.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>PHY 121/PHY 122 and/or MSE 208 is recommended to satisfy the Natural Science - Quantitative (SQ) requirement as they also satisfy Related Field requirements.</li> <li>Meet with your academic advisor to discuss summer <b>internship</b> and/or Research Opportunities for Undergraduates (REU)</li> </ul>
 MAT 275: Modern Differential Equations (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	2		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 300: Mathematical Structures (L)	3	C	

♦ MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C
CLAS Science and Society Elective	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Social-Behavioral Sciences (SB)	3	
Maintain 3.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	16	

- Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Completion of MAT 300 with a B or better by the end of this term is strongly correlated with success in this major and meets prerequisites to continue with MAT 371 in the next term.

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• MAT 275 highly recommended.</li> </ul>
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Additional Courses in the Major (ACT, MAT, STP)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
★ Upper Division Depth Course	3	C	
Related Field	3	C	
Upper Division Elective OR MAT 484: Internship	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Additional Courses in the Major (ACT, MAT, STP)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by an academic advisor in the School of Mathematical and Statistical Sciences.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
★ Upper Division Advanced Courses	3	C	
★ Upper Division Depth Course	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Advanced Courses	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus unless approved by a SoMSS advisor</li> </ul>
Related Field	4	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	13		



- Meet with your academic advisor for final degree check and apply for graduation through your myASU.

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Advanced Courses	Additional Courses in the Major (ACT, MAT, or STP)	Depth Courses
MAT 410: Introduction to General Topology		MAT 415: Introduction to Combinatorics
MAT 415: Introduction to Combinatorics	ACT 415: Probability for Risk Management	MAT 416: Introduction to Graph Theory
MAT 416: Introduction to Graph Theory	ACT 430: Mathematics of Financial Derivatives	MAT 423: Numerical Analysis I (CS)
MAT 420: Scientific Computing	MAT 243: Discrete Mathematical Structures	MAT 425: Numerical Analysis II (CS)
MAT 421: Applied Computational Methods (CS)	MAT 274: Elementary Differential Equations (MA) or MAT 275: Modern Differential Equations (MA)	MAT 442: Advanced Linear Algebra
MAT 423: Numerical Analysis I (CS)	MAT Upper Division Elective	MAT 444: Intermediate Abstract Algebra
MAT 425: Numerical Analysis II (CS)	STP Upper Division Elective	MAT 472: Intermediate Real Analysis I
MAT 440: Group Theory		MAT 473: Intermediate Real Analysis II
MAT 441: Ring Theory		MAT 475: Differential Equations
MAT 442: Advanced Linear Algebra		MAT 476: Partial Differential Equations
MAT 443: Introduction to Abstract Algebra		STP 425: Stochastic Processes
MAT 444: Intermediate Abstract Algebra		STP 427: Mathematical Statistics
MAT 445: Theory of Numbers		
MAT 447: Cryptography I		
MAT 448: Cryptography II		
MAT 451: Mathematical Modeling (CS)		
MAT 452: Introduction to Chaos and Nonlinear Dynamics		
MAT 460: Vector Calculus		
MAT 461: Applied Complex Analysis		
MAT 462: Applied Partial Differential Equations		
MAT 472: Intermediate Real Analysis I		
MAT 475: Differential Equations		
MAT 476: Partial Differential Equations		

STP 420: Introductory Applied Statistics (CS)

STP 421: Probability

STP 425: Stochastic Processes

STP 427: Mathematical Statistics

STP 429: Experimental Statistics (CS)

Related Field

ACT 310: Mathematics of Finance

ACT 415: Probability for Risk Management

ACT 430: Mathematics of Financial  
Derivatives

ACT 450: Actuarial Models and Modeling I

ACT 451: Actuarial Models and Modeling II

AST Upper Division Elective

BCH 4\*\* Elective

BME Upper Division Elective

CEE Upper Division Elective

CHE Elective

CHM 341: Elementary Physical Chemistry

CHM 343: Elementary Physical Chemistry  
Laboratory

CHM 345: Physical Chemistry I

CHM 346: Physical Chemistry II

CHM 348: Physical Chemistry Laboratory I  
(L)

CHM 349: Physical Chemistry Laboratory II  
(L)

CHM 453: Inorganic Chemistry

CHM 460: Biological Chemistry

CHM 471: Solid-State Chemistry

CIS 2\*\* Elective

CIS Upper Division Elective

CSE Elective

ECE 2\*\* Elective

ECE 3\*\* Elective

ECN Upper Division Elective

EEE Elective

FIN Upper Division Elective

GLG 418: Geophysics

GLG 419: Geodynamics

GLG 470: Hydrogeology

GLG 481: Geochemistry

IEE Upper Division Elective

MAE Elective

MAT Upper Division Elective

MSE Elective

PHI 333: Introduction to Symbolic Logic

PHI 413: Advanced Symbolic Logic

PHY 121: University Physics I: Mechanics  
(SQ)

PHY 122: University Physics Laboratory I  
(SQ)

PHY 131: University Physics II: Electricity  
and Magnetism (SQ)

PHY 132: University Physics Laboratory II  
(SQ)

PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

PHY 2\*\* Elective

PHY Upper Division Elective

STP Upper Division Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.
















## 2019 - 2020 Major Map

### Mathematics (Secondary Education), BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAMATSBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 207: Algebra and Geometry in the High School	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into First- Year Composition courses</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course</li> <li>• ASU 101 or College Specific equivalent First Year Seminar required of all freshman students.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
 MTE 210: Mentored Tutoring Internship	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 208: Discrete Mathematics for Secondary Teachers	3	C	<ul style="list-style-type: none"> <li>• MAT 207/MTE 210 can be great first experiences for future teachers. To start collecting other valuable experiences consider <b>part-time jobs</b> or <b>volunteer opportunities</b>.</li> <li>• GCU 113 satisfies the US and AZ constitution requirement needed for teacher certification.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Critical Tracking Courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		
Term 3 32 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)</li> </ul>
 MTE 250: Technology and Mathematical Visualization	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Maintain 3.00 GPA in Critical Tracking Courses.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 17

Term 4 49 - 64 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for an Identity Verified Print (IVP) fingerprint clearance card.</li> <li>• Upper division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
⚠ MAT 310: Introduction to Geometry	3	C	
⚠ MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
⚠ MTE 320: Conceptual Foundations of 7-12 Mathematics Curricula and Assessment	3	C	
Humanities, Arts and Design (HU)	3		
⚠ Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 64 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>• DPS IVP fingerprint clearance card and cumulative GPA of at least 2.50 required to progress into Teachers College education program. Deadlines apply.</li> <li>• Upper division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor</li> </ul>
★ MTE 430: The Development of Mathematical Thinking	3	C	
★ STP 420: Introductory Applied Statistics (CS)	3	C	
EDP 313: Childhood and Adolescence (SB) OR TEL 315: Child and Adolescent Development (L or SB)	3	C	
MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA) OR MAT OR STP Upper Division Elective	3	C	
★ Milestone: Complete online Intent to Progress form (meet with advisor).			
★ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 95 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3		<ul style="list-style-type: none"> <li>• During your clinical experiences, you will work alongside an intern mentor teacher in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 6-8.</li> <li>• Upper division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• <b>Network</b> in your career interest area.</li> </ul>
★ SED 398: Clinical Experience I	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
MAT 415: Introduction to Combinatorics OR MAT 416: Introduction to Graph Theory	3	C	
Upper Division CLAS Science and Society Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 95 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MTE 482: Methods of Teaching Mathematics in Secondary School	3	C	<ul style="list-style-type: none"> <li>• Students seeking teacher certification must pass required educator exams. Please speak with your Teachers College Advisor to plan appropriately.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3		
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	

★ SED 496: Clinical Experience III	1	C	<ul style="list-style-type: none"> <li>• Upper division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
MAT 441: Ring Theory OR MAT 445: Theory of Numbers OR MAT 440: Group Theory	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Mathematics (Statistics), BS





School/College: [The College of Liberal Arts and Sciences](#)




Location: [Tempe campus](#)

LAMATTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a></li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Elective	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• STP and upper division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• PHI 103 is recommended to satisfy the Literacy and Critical Inquiry (L) general studies requirement</li> <li>• Meet with your academic advisor to discuss summer <b>internship</b> and/or Research Opportunities for Undergraduates (REU)</li> </ul>
 STP 420: Introductory Applied Statistics (CS)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.</li> </ul>
 MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	



◆ STP 429: Experimental Statistics (CS)	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Maintain 3.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	16	

- STP and upper division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• STP and upper division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor</li> </ul>
STP 421: Probability	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT or STP Advanced Course	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• STP and upper division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• Develop your <b>professional online presence</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
★ STP 427: Mathematical Statistics	3	C	
Related Field Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR MAT 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division MAT or STP Advanced Course	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• STP and upper division MAT courses should be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• Gather <b>professional references</b>.</li> </ul>
Related Field Course	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division MAT or STP Advanced Course	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• STP and upper division MAT courses should be taken through the Tempe campus, unless approved by an SoMSS advisor</li> <li>• Meet with your academic advisor for final degree check and apply for graduation through your myASU.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
Related Field Course	4	C	
Upper Division Elective	3		
Complete 2 courses:	5		
Elective			
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Related Field Course	MAT or STP Advanced Course
ACT Upper Division Elective	ACT 430: Mathematics of Financial Derivatives
AST Upper Division Elective	ACT 435: Statistics for Risk Modeling
BCH 4** Elective	ACT 450: Actuarial Models and Modeling I
BME Upper Division Elective	ACT 451: Actuarial Models and Modeling II
CEE Upper Division Elective	MAT 275: Modern Differential Equations (MA) or MAT 274: Elementary Differential Equations (MA)
CHE Elective	MAT 372: Advanced Calculus II
CHM 341: Elementary Physical Chemistry	MAT 423: Numerical Analysis I (CS)
CHM 343: Elementary Physical Chemistry Laboratory	MAT 442: Advanced Linear Algebra
CHM 345: Physical Chemistry I	STP 4** Elective
CHM 346: Physical Chemistry II	MAT 420: Scientific Computing
CHM 348: Physical Chemistry Laboratory I (L)	MAT 421: Applied Computational Methods (CS)
CHM 349: Physical Chemistry Laboratory II (L)	MAT 472: Intermediate Real Analysis I
CHM 453: Inorganic Chemistry	
CHM 460: Biological Chemistry	
CHM 471: Solid-State Chemistry	
CIS 2** Elective	
CIS Upper Division Elective	
CSE Elective	
ECN Upper Division Elective	
EEE Elective	
FIN Upper Division Elective	
GLG 418: Geophysics	
GLG 419: Geodynamics	
GLG 470: Hydrogeology	
GLG 481: Geochemistry	
IEE Upper Division Elective	

MAE Elective

MAT Upper Division Elective

MSE Elective

PHI 333: Symbolic Logic

PHI 413: Advanced Symbolic Logic

PHY 121: University Physics I: Mechanics  
(SQ)

PHY 122: University Physics Laboratory I  
(SQ)

PHY 131: University Physics II: Electricity  
and Magnetism (SQ)

PHY 132: University Physics Laboratory II  
(SQ)

PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

PHY 2\*\* Elective

PHY Upper Division Elective

STP Upper Division Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Microbiology, BS





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)



LAMICBS




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics and science courses</li> <li>LIA 101, ASU 101, or college-specific First-Year Seminar required of all freshman students</li> <li>Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
 BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		




Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>Join a student <a href="#">organization</a></li> <li>Activate your <a href="#">Handshake</a> account and build out your profile.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <a href="#">Pre-Health 101 Session</a></li> <li>Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 this term. See the pre-health <a href="#">website</a> for more information</li> <li>If CHM 231 and 235 are taken, then BCH 361 and 367 must be taken the following semester</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

- Attend a [Study Abroad 101 Session](#)
- Explore [Minors or Certificates](#)

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 this term. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 231 and 235 were previously taken, then BCH 361 and 367 must be taken this term</li> <li>• If CHM 233 and 237 were previously taken, then CHM 234 and 238 must be taken this term</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MIC 302: Advanced Bacteriology Laboratory (L)	2	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU</li> <li>• Lab credit is required and is accounted for in the additional major requirements electives area (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> </ul>
 MIC 360: Bacterial Physiology	3	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Upper Division Additional Major Requirements	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Major Microbiology/Immunology Elective Course	3-4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Students must complete one upper division elective from the list of Microbiology/Immunology elective courses and one upper division elective from the list of General Biology elective courses. A third upper division elective must be chosen from either the list of Microbiology/Immunology electives OR the list of General Biology electives</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Explore graduate school or <a href="#">full-time opportunities</a></li> </ul>
Upper Division Additional Major Requirements	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

	Minimum
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Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Major General Biology Elective Course	3-4	C	<ul style="list-style-type: none"> <li>• Students must complete one upper division elective from the list of Microbiology/Immunology elective courses and one upper division elective from the list of General Biology elective courses. A third upper division elective must be chosen from either the list of Microbiology/Immunology electives OR the list of General Biology electives.</li> <li>• Apply for <b>full-time career opportunities</b></li> <li>• Meet with your <b>advisor</b> to verify remaining degree requirements have been met prior to Term 8</li> </ul>
Upper Division CLAS Science and Society Elective	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15-16		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MIC 401: RP:Senior Research Paper (L)	1	C	<ul style="list-style-type: none"> <li>• Students must complete one upper division elective from the list of Microbiology/Immunology elective courses and one upper division elective from the list of General Biology elective courses. A third upper division elective must be chosen from either the list of Microbiology/Immunology electives OR the list of General Biology electives</li> <li>• MIC 401 requires the completion of an individualized instruction form and meeting with a faculty reader before the semester begins</li> <li>• Continue to <b>apply</b> for full-time career opportunities or graduate school</li> </ul>
Upper Division Major Microbiology/ Immunology Elective Course OR Upper Division Major General Biology Elective Course	3-4	C	
Complete 2 courses:	5		
Upper Division Elective			
Complete 2 courses:	6		
Term hours subtotal:	15-16		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Microbiology (Medical Microbiology), BS





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAMICMBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics and science courses</li> <li>• LIA 101, ASU 101, or college-specific First-Year Seminar required of all freshman students.</li> <li>• Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement</li> <li>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
 BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>• Join a student <b>organization</b></li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> <li>• Attend a <b>Pre-Health 101 Session</b></li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics OR MBB 347: Molecular Genetics: From Genes to Proteins	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 233 and CHM 237 this term. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Attend a <b>Study Abroad 101 Session</b></li> <li>• Explore <b>Minors or Certificates</b></li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		



Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 this term instead of elective. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 353: Cell Biology	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and 113 instead of PHY 101 this term. See the pre-health <a href="#">website</a> for more information</li> <li>• MIC 360 or MIC 441 may be taken for the upper division elective in this term to facilitate registration for MIC 481 in term 6</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time opportunities</li> </ul>
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	4	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Upper Division Elective	4		
Term hours subtotal:	15		

Term 6 78 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• BIO 312 may be used to satisfy an upper division Science and Society credit for the College of Liberal Arts and Sciences.</li> <li>• Pre-health students should take PHY 112 and 114 this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Courses from the Microbes and Biomedicine groups must include at least one course from each category and at least one (1) lab course.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Explore graduate school or full-time opportunities</li> </ul>
★ BIO 360: Animal Physiology OR HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H) OR MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society OR MIC 481: Bacterial Pathogenesis OR MIC 421: Experimental Immunology	5	C	
BIO 312: Bioethics (HU) OR PHI 320: Bioethics (HU)	3		
Microbes or Biomedicine course	4-2	C	
Upper Division Elective OR BIO 484: Internship OR MIC 484: Internship	3		
Upper Division Elective	1		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16-14		

Term 7 94 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MIC 420: Immunology: Molecular and Cellular Foundations OR BIO 420: Immunology: Molecular and Cellular Foundations	3		<ul style="list-style-type: none"> <li>• Courses from the Microbes and Biomedicine groups must include one (1) lab course</li> </ul>
Microbes or Biomedicine course	2-4	C	

Upper Division CLAS Science and Society Elective	3
Upper Division Literacy and Critical Inquiry (L)	3
Upper Division Elective	3
Term hours subtotal:	14-16

- Thinking about graduate school? Consider registering for a grad school **test prep course**.
- Use Handshake to research **employment opportunities**
- Meet with your **advisor** to verify remaining degree requirements have been met prior to Term 8

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MIC 401: Research Paper (L)	1	C	• Continue to <b>apply</b> for full-time career opportunities or graduate school
Complete 2 courses: Upper Division Elective	5		
Complete 2 courses: Elective	6		
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Biomedicine	Microbes
ASB 462: Medical Anthropology: Culture and Health (SB & C)	BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research
BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	MIC 302: Advanced Bacteriology Laboratory (L)
BIO 345: Organic Evolution	MIC 360: Bacterial Physiology
BIO 351: Developmental Biology	MIC 379: Medical Bacteriology
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	MIC 425: Advanced Immunology
MIC 445: Techniques in Molecular Biology/Genetics or MBB 445: Techniques in Molecular Biology/Genetics	MIC 441: Bacterial Genetics
MIC 446: Techniques in Molecular Biology/Genetics Lab or MBB 446: Techniques in Molecular Biology/Genetics Lab	MIC 442: Bacterial Genetics Laboratory
	MIC 485: General Virology
	MIC 494: Emerging Infectious Diseases
	MIC 498: HIV/AIDS Prevention Education in Africa
	MIC 492: Honors Directed Study or BIO 492: Honors Directed Study or MBB 492: Honors Directed Study

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Molecular Biosciences and Biotechnology, BS





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAMBBBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics and science courses</li> <li>• LIA 101, ASU 101, or college-specific First-Year Seminar required of all freshman students.</li> <li>• Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement</li> <li>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student organization</b></li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Attend a <b>Pre-Health 101 Session</b></li> <li>• Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement</li> <li>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MBB 347: Molecular Genetics: From Genes to Proteins	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235 this term. See pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Attend a <b>Study Abroad 101 Session</b></li> <li>• Explore <b>Minors or Certificates</b></li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MBB 343: Genetic Engineering and Society (L)	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
⚠ MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	14		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MBB 484: Internship OR MBB 495: Undergraduate Research	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101. See pre-health <a href="#">website</a> for more information</li> <li>• MBB 484 or MBB 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MBB 484: Internship OR MBB 495: Undergraduate Research	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See pre-health <a href="#">website</a> for more information</li> <li>• MBB 484 or 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Explore graduate school or full-time opportunities</li> </ul>
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	4	C	
Upper Division CLAS Science and Society Elective	3	C	
Complete 2 courses:			
Elective	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MBB 490: Capstone: Issues in Biotechnology (L)	2	C	

Upper Division Major Electives	3	C
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3	
Complete 2 courses:		
Upper Division Elective	7	
Term hours subtotal:	15	

- Explore or apply for full-time career opportunities or graduate school
- Meet with your advisor to verify remaining degree requirements have been met prior to Term 8

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MBB 491: Capstone: Issues in Molecular Biosciences (L)	2	C	<ul style="list-style-type: none"> <li>• Continue to apply for full-time career opportunities or graduate school</li> </ul>
Upper Division Major Electives	4	C	
Upper Division Elective	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

#### Hide Course List(s)/Track Group(s)

Major Electives
BIO 308: Plant Physiology
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging
MBB 350: Applied Genetics
MBB 440: Functional Genomics or BIO 440: Functional Genomics
MBB 445: Techniques in Molecular Biology/Genetics AND MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 445: Techniques in Molecular Biology/Genetics AND MIC 446: Techniques in Molecular Biology/Genetics Lab
MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations AND MIC 421: Experimental Immunology
MIC 441: Bacterial Genetics AND MIC 442: Bacterial Genetics Laboratory

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that

guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:




- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)





First-Year Composition




General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Neuroscience, BS

School/College: The College of Liberal Arts and Sciences  
LABMENBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> <li>• LIA 101, ASU 101, or College specific equivalent First Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest</b> area and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
 PSY 101: Introduction to Psychology (SB)	3	C	
BIO 181: General Biology I (SQ) OR BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
Term hours subtotal:	14-15		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students planning to complete courses in the Computational Neuroscience track should complete MAT 265 or MAT 270 no later than term 2.</li> <li>• Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center</li> <li>• Attend a <b>Pre-Health 101 Session</b></li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
 PSY 230: Introduction to Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR STP 226: Elements of Statistics (CS)	3	C	
BIO 182: General Biology II (SG) OR BIO 282: Conceptual Approaches to Biology for Majors II	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students are encouraged to consult with an academic advisor to select upper division track courses and use electives to complete appropriate prerequisites for their chosen course of study.</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Attend a <b>Study Abroad 101 Session</b></li> <li>• Explore <b>Minors or Certificates</b></li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	13		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b> or volunteer <b>experience</b></li> </ul>
 PSY 290: Research Methods (L or SG)	4	C	



Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
<i>Complete 2 courses:</i>	
Elective	6
Term hours subtotal: 16	

- Visit [Career and Professional Development Services](#) and meet with a career advisor for assistance with career planning and networking.

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 476: Cellular and Molecular Neuroscience	3	C	<ul style="list-style-type: none"> <li>• Work with an advisor to discuss upper division track electives that best fit your personal plan of study.</li> <li>• Elective credit hours can be used to complete prerequisites for upper division track electives.</li> <li>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
★ PSY 325: Physiological Psychology	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective OR BIO 484: Internship OR MIC 484: Internship OR MBB 484: Internship	3		
Elective	3		
Term hours subtotal: 15			

Term 6 75 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 477: Systems and Behavioral Neuroscience	3	C	<ul style="list-style-type: none"> <li>• Students will complete a minimum of 17 credit hours in any combination of upper division track courses.</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
★ PSY 426: Neuroanatomy	4	C	
Upper Division Literacy and Critical Inquiry (L)	3		
<i>Complete 2 courses:</i> Upper Division Track electives	6	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal: 16			

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
BIO 400: Topics in Neuroscience OR KIN 400: Topics in Neuroscience OR PSY 400: Topics in Neuroscience OR SHS 400: Topics in Neuroscience	3		<ul style="list-style-type: none"> <li>• Students will complete a minimum of 17 credit hours in any combination of upper division track courses.</li> <li>• Gather <a href="#">professional references</a></li> <li>• Apply to graduate and post-baccalaureate programs.</li> <li>• Research <a href="#">employment opportunities</a>.</li> <li>• Meet with your advisor to verify remaining degree requirements have been met prior to Term 8</li> </ul>
<i>Complete 2 courses:</i> Upper Division Track electives	6	C	
<i>Complete 2 courses:</i> Elective	6		
Term hours subtotal: 15			

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> Upper Division Track electives	5	C	<ul style="list-style-type: none"> <li>• Students will complete a minimum of 17 credit hours in any combination of upper division track courses.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Elective	3		
<i>Complete 2 courses:</i> Elective	6		
Term hours subtotal: 14			

- Students not moving on to graduate work may wish to apply for **full-time career opportunities**.

- The BS in neuroscience is currently available only as a concurrent degree to ASU students pursuing other majors. It cannot be taken a stand-alone degree. For more information on how to add this major as a concurrent degree program, students should contact an academic advisor in their major, the Department of Psychology or the School of Life Sciences.
- Upper division Track Courses may have additional prerequisites. Students are encouraged to plan ahead and complete any prerequisites as electives.

Hide Course List(s)/Track Group(s)

Behavioral Neuroscience	Sensormotor Control and Physical Rehabilitation	Cognitive Behavioral Neuroscience
BIO 331: Animal Behavior		SHS 310: Anatomical and Physiological Bases of Speech
PSY 320: Learning and Motivation	KIN 345: Motor and Developmental Learning	
PSY 420: Analysis of Behavior (L)	KIN 421: Human Motor Control (L)	SHS 311: Hearing Science
PSY 470: Psychopharmacology	KIN 422: Motor Control in Special Populations (L)	SHS 367: Language Science (SB)
PSY 498: Behavioral Neuroendocrinology	KIN 423: Motor Control and Aging (L)	SHS 375: Speech Science
PSY 498: Neurobiology Learning and Memory		SHS 465: Speech and Language Acquisition (SB)
		SHS 485: Acquired Speech and Language Disorders
Brain, Mind and Behavior		
PSY 320: Learning and Motivation		
PSY 324: Memory and Cognition		
PSY 498: Computational Cognitive Neuroscience		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

**Total College Residency Hrs:** 12 minimum

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Philosophy, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPHIBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b>	Hours	Minimum Grade	Notes
PHI Elective	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li><b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b>	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> <li>If interested in law school, review <a href="#">Pre-Law at ASU</a> website.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b>	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if G requirement has not already been satisfied through other course work.</li> <li>Explore opportunities to <b>study abroad</b>.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

	Minimum
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Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
⚠ PHI 103: Principles of Sound Reasoning (L or HU)	3	C	<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 300: Philosophical Argument and Exposition (L)	3	C	<ul style="list-style-type: none"> <li>Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied with major courses.</li> <li>Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li> </ul>
★ Upper Division History of Philosophy	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Elective OR PHI 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 333: Symbolic Logic OR PHI 413: Advanced Symbolic Logic	3	C	<ul style="list-style-type: none"> <li>Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>If planning to attend law school, prepare to take the <b>LSAT</b>.</li> </ul>
★ Upper Division History of Philosophy	3	C	
PHI 313: Probability, Evidence, and Decision OR PHI 314: Philosophy of Science (HU) OR PHI 330: Theory of Knowledge (HU)	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ 4** Philosophy Seminar Course	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li> </ul>
Upper Division Values Course	3	C	
Upper Division Elective	3		
Complete 2 courses:	6		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PHI 331: Philosophy of Language (HU) OR PHI 332: Metaphysics (HU) OR PHI 334: Philosophy of Mind (HU)	3	C
★ 4** Philosophy Seminar Course	3	C
Complete 3 courses: Upper Division Elective	9	
Term hours subtotal:	15	

- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
- Apply for full-time career opportunities

- At least 12 upper-division hours in the major (PHI) must be in courses offered by the College of Liberal Arts and Sciences.

PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

#### Hide Course List(s)/Track Group(s)

History of Philosophy	Values	400-Level (4**) Philosophy Seminar Course
PHI 328: History of Ancient Philosophy (HU & H)	PHI 335: History of Ethics (HU)	PHI 401: Rationalism
PHI 329: History of Modern Philosophy (HU & H)	PHI 336: Social and Political Philosophy (HU)	PHI 402: Empiricism (HU)
PHI 401: Rationalism	PHI 337: Ethical Theory (HU)	PHI 403: Contemporary Analytic Philosophy (HU)
PHI 402: Empiricism (HU)	PHI 338: Metaethics	PHI 405: Moral Psychology
PHI 403: Contemporary Analytic Philosophy (HU)		PHI 408: Feminist Ethics (HU)
		PHI 413: Advanced Symbolic Logic
		PHI 420: Topics in Philosophy
		PHI 448: Justice and Reparations

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map



### Philosophy, BA

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)

LAPHIBA

Term 1 - A 0 - 6 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>ASU 101 or College-specific equivalent First Year Seminar is required of all freshman students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	2		
Term hours subtotal:	6		




Term 1 - B 6 - 12 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI Elective	3	C	<ul style="list-style-type: none"> <li><a href="#">Mathematics Placement Assessment</a> score determines placement in mathematics course</li> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	6		



Term 2 - A 12 - 19 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li><a href="#">ASU Language Placement and Testing</a>: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> <li>If interested in law school, review <a href="#">Pre-Law at ASU</a> website.</li> </ul>
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		



Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		





Term 3 - B 33 - 40 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if G requirement has not already been satisfied through other course work.</li> <li>Explore opportunities to <b>study abroad</b>. Online students are eligible and encouraged to participate!</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 40 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 103: Principles of Sound Reasoning (L or HU)	3	C	<ul style="list-style-type: none"> <li>Explore the <b>Career and Professional Development Services</b> website and arrange a <b>virtual advising</b> session with a career counselor for assistance with career planning and networking.</li> <li>If interested in law school, <b>make a phone appointment</b> with the pre-law advisor.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 300: Philosophical Argument and Exposition (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - B 59 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H) OR PHI 403: Contemporary Analytic Philosophy (HU)	3	C	<ul style="list-style-type: none"> <li>Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, contact an academic advisor.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 6 - A 66 - 72 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H) OR PHI 403: Contemporary Analytic Philosophy (HU)	3	C	<ul style="list-style-type: none"> <li>Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes

PHI 314: Philosophy of Science (HU) OR PHI 330: Theory of Knowledge (HU)	3	C
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

- If planning on law school, prepare to take the **LSAT**.

Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 333: Symbolic Logic	3	C	• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> .
Elective	3		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 335: History of Ethics (HU) OR PHI 336: Social and Political Philosophy (HU) OR PHI 337: Ethical Theory (HU)	3	C	• View career <b>webinars</b> offered by Career and Professional Development Services.
Elective	3		
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		• Use Handshake to research <b>employment opportunities</b> .
Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 332: Metaphysics (HU) OR PHI 334: Philosophy of Mind (HU)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 420: Topics in Philosophy	3	C	• PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		• Take advantage of mock interview opportunities and assistance with writing <b>resumes and cover letters</b> .
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 420: Topics in Philosophy	3	C	• PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different. • Apply for <b>full-time career opportunities</b>
Upper Division Elective	3		
Term hours subtotal:	6		

- At least 12 upper-division hours in the major (PHI) must be in courses offered by the College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Philosophy (Morality, Politics and Law), BA


School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPHIMPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>• ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• If planning to take PHI 333: Symbolic Logic in a later semester, take PHI 103, the prerequisite for PHI 333.</li> <li>• Explore opportunities to <b>study abroad</b>.</li> </ul>
 PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU)	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>• If interested in law school, review <b>Pre-Law at ASU</b> website.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete 2 courses:	6		
Elective			

❗ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Maintain 2.00 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>• If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete 2 courses: Elective	6		

❗ Maintain 2.00 GPA in Critical Tracking Courses.

Term hours subtotal: 14

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 300: Philosophical Argument and Exposition (L)	3	C	<ul style="list-style-type: none"> <li>• Please see "Politics" course list below.</li> <li>• Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li> </ul>
★ PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H)	3	C	
Politics Course	3	C	
Elective OR PHI 484: Internship	3		
Elective	3		

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 335: History of Ethics (HU) OR PHI 337: Ethical Theory (HU)	3	C	<ul style="list-style-type: none"> <li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> <li>• If planning on law school, prepare to take the <b>LSAT</b>.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> </ul>
★ Upper Division Epistemology, Metaphysics, or Logic Course	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 307: Philosophy of Law (HU) OR PHI 347: Philosophical Theories of Constitutional Law	3	C	<ul style="list-style-type: none"> <li>• Please see "Ethics" course list below.</li> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li> </ul>
★ Upper Division Ethics Course	3	C	
★ 4** Philosophy Seminar Course	3	C	
Complete 2 courses: Upper Division Elective	6		

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ 4** Philosophy Seminar Course	3	C	<ul style="list-style-type: none"> <li>• Please see "Law" course list below.</li> </ul>

Upper Division Law Course	3	C
<hr/>		
Complete 2 courses:	6	
Upper Division Elective		
<hr/>		
Elective	3	
<hr/>		
Term hours subtotal:	15	

- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
- Apply for full-time career opportunities

- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

Hide Course List(s)/Track Group(s)

Epistemology, Metaphysics, or Logic	Ethics	Law
PHI 330: Theory of Knowledge (HU)	PHI 306: Applied Ethics (HU)	HST 321: Constitutional History/US to 1865 (SB & H)
PHI 331: Philosophy of Language (HU)	PHI 310: Environmental Ethics (HU)	HST 322: Constitutional History of the United States Since 1865 (H)
PHI 332: Metaphysics (HU)	PHI 320: Bioethics (HU)	HST 323: Historical Studies in Race, Crime, and the Law
PHI 333: Symbolic Logic	PHI 335: History of Ethics (HU)	JUS 303: Justice Theory (L)
PHI 334: Philosophy of Mind (HU)	PHI 337: Ethical Theory (HU)	JUS 308: Courts and Society
	PHI 338: Metaethics	JUS 360: Law and Social Control (SB)
	PHI 370: Sports Ethics (HU)	JUS 410: Punishment: Logic and Approach
	PHI 405: Moral Psychology	JUS 463: Discretionary Justice (SB)
	PHI 408: Feminist Ethics (HU)	JUS 465: Death Penalty in the United States (L)
	REL 381: Religion and Moral Issues (L or HU)	PHI 307: Philosophy of Law (HU)
		PHI 347: Philosophical Theories of Constitutional Law
		POS 370: Law and Society (SB)
		POS 470: Law and the Political Order (SB)
		POS 471: Constitutional Law I (SB)
		POS 472: Constitutional Law II (SB)
Politics	400-Level (4**) Philosophy Seminar Course	
HST 315: Political History of the U. S. (SB & H)	PHI 401: Rationalism	
HST 317: History of Postwar U.S. Conservatism	PHI 402: Empiricism (HU)	
HST 414: Political History and Leadership or POS 414: Political History and Leadership	PHI 403: Contemporary Analytic Philosophy (HU)	
	PHI 405: Moral Psychology	
	PHI 408: Feminist Ethics (HU)	

PHI 336: Social and Political Philosophy (HU)	PHI 413: Advanced Symbolic Logic
PHI 448: Justice and Reparations	PHI 420: Topics in Philosophy
POS 210: Political Ideologies (SB)	PHI 448: Justice and Reparations
POS 340: History of Political Philosophy I (HU & H)	
POS 341: History of Political Philosophy II (HU & H)	
POS 346: Problems of Democracy (HU)	
POS 368: Ethics and Human Rights	
POS 442: American Political Thought (HU)	
REL 319: Religion, Violence and America	
REL 378: Religion, War and Peace (L)	
REL 388: Religion, Ethics, and International Politics	

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Philosophy (Morality, Politics and Law), BA



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)

LAPHIMPBA

Term 1 - A 0 - 6 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or College-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Elective	2		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 1 - B 6 - 12 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• <a href="#">Mathematics Placement Assessment</a> score determines placement in mathematics course.</li> <li>• Taking a Social-Behavioral Sciences (SB) course that also satisfies Global Awareness (G) is suggested.</li> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		



Term 2 - A 12 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		

Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>• If planning to take PHI 333: Symbolic Logic in a later semester, take PHI 103, the prerequisite for PHI 333.</li> <li>• <a href="#">ASU Language Placement and Testing</a>: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>• Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		







- If interested in law school, review [Pre-Law at ASU](#) website.



Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Term hours subtotal:	7		

Term 3 - B 33 - 40 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<b>Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)</b>	3		<ul style="list-style-type: none"> <li>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>• Explore opportunities to <b>study abroad</b>. Online students are eligible and encouraged to participate!</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	7		

Term 4 - A 40 - 47 Credit Hours	Hours	Minimum Grade	Notes
<b>Computer/Statistics/Quantitative Applications (CS)</b>	3		<ul style="list-style-type: none"> <li>• Explore the <b>Career and Professional Development Services</b> website and arrange a <b>virtual advising</b> session with a career counselor for assistance with career planning and networking.</li> <li>• If interested in law school, <b>make a phone appointment</b> with the pre-law advisor.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 4 - B 47 - 54 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<b>Literacy and Critical Inquiry (L)</b>	3		
<b>Natural Science - General (SG) OR Natural Science - Quantitative (SQ)</b>	4		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		

Term 5 - A 54 - 60 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 300: Philosophical Argument and Exposition (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - B 60 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H)	3	C	<ul style="list-style-type: none"> <li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 66 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 335: History of Ethics (HU) OR PHI 337: Ethical Theory (HU)	3	C	<ul style="list-style-type: none"> <li>Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, contact an academic advisor.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Epistemology, Metaphysics or Logic Course	3	C	<ul style="list-style-type: none"> <li>If planning on law school, prepare to take the <b>LSAT</b>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - A 78 - 84 Credit Hours	Hours	Minimum Grade	Notes
Politics Course	3	C	<ul style="list-style-type: none"> <li>Please see "Politics" course list below.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 307: Philosophy of Law (HU) OR PHI 347: Philosophical Theories of Constitutional Law	3	C	<ul style="list-style-type: none"> <li>View career <b>webinars</b> offered by Career and Professional Development Services.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 420: Topics in Philosophy	3	C	<ul style="list-style-type: none"> <li>PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Law Course	3	C	<ul style="list-style-type: none"> <li>Please see "Law" course list below.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Ethics Course	3	C	<ul style="list-style-type: none"> <li>Please see "Ethics" course list below.</li> <li>Use <b>Handshake</b> to research employment opportunities.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		

Term hours subtotal: 6

- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b>		Hours	Minimum Grade	Notes
★	PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 420: Topics in Philosophy	3	C	<ul style="list-style-type: none"> <li>• PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
	Upper Division Elective	3		
Term hours subtotal:		6		

- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

Epistemology, Metaphysics or Logic	Ethics	Law
PHI 330: Theory of Knowledge (HU)	PHI 306: Applied Ethics (HU)	JUS 303: Justice Theory (L)
PHI 332: Metaphysics (HU)	PHI 310: Environmental Ethics (HU)	PHI 307: Philosophy of Law (HU)
PHI 333: Symbolic Logic	PHI 320: Bioethics (HU)	PHI 347: Philosophical Theories of Constitutional Law
PHI 334: Philosophy of Mind (HU)	PHI 335: History of Ethics (HU)	POS 370: Law and Society (SB)
	PHI 337: Ethical Theory (HU)	POS 471: Constitutional Law I (SB)
		POS 472: Constitutional Law II (SB)
Politics		
PHI 336: Social and Political Philosophy (HU)		
POS 210: Political Ideologies (SB)		
POS 340: History of Political Philosophy I (HU & H)		
POS 368: Ethics and Human Rights		
POS 442: American Political Thought (HU)		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map






### Physics, BA





School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAPHYBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA)	3-4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:		14-15	

Term 2 14 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA)	3-4	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Join a <b>student club or professional organization</b>.</li> </ul>
PHY 150: Physics I (SQ) OR PHY 121: University Physics I:			
 Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:		14-15	

Term 3 28 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA)	3-4	C	
PHY 151: Physics II (SQ) OR PHY 131: University Physics II:			
 Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			

⚠️ Maintain 2.00 GPA in Critical Tracking Courses.

Complete Mathematics (MA) requirement.

Term hours subtotal: 14-15

Term 4 42 - 59 Credit Hours <b>Critical course signified by</b> ⚠️	Hours	Minimum Grade	Notes
⚠️ PHY 201: Mathematical Methods in Physics I (CS)	3	C	<ul style="list-style-type: none"> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
⚠️ PHY 252: Physics III (SQ) OR PHY 241: University Physics III AND PHY 202: Programming for Physicists	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
⚠️ Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	17		

Term 5 59 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	
★ PHY 310: Classical Particles, Fields, and Matter I	3	C	
★ PHY 314: Quantum Physics I	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY 311: Classical Particles, Fields, and Matter II	3	C	<ul style="list-style-type: none"> <li>• Courses other than those in the track list below must be approved by the academic advisor in Physics.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Upper Division Physics Breadth Course	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Physics Breadth Course	3	C	<ul style="list-style-type: none"> <li>• Courses other than those in the track list below must be approved by the academic advisor in Physics.</li> <li>• Meet with your academic advisor for final degree check before registering for final semester.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
Complete 4 courses:	12		
Upper Division Elective			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Literacy and Critical Inquiry (L)	3
Complete 2 courses:	
Upper Division Elective	6
Complete 2 courses:	
Elective	6
Term hours subtotal:	15

- Apply for graduation through My ASU.
- Apply for full-time career opportunities.

#### Hide Course List(s)/Track Group(s)

Physics Breadth Course
PHY 333: Electronic Circuits and Measurements
PHY 334: Advanced Laboratory I (L)
PHY 361: Introductory Modern Physics
PHY 462: Particle and Nuclear Physics
PHY 480: Methods of Teaching Physics
PHY 494: Computational Methods in Physics
PHY 494: Introduction to Nanoscience
PHY 495: Project Research
PHY 498: Pro-Seminar
PHY 499: Individualized Instruction

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map






### Physics - Option 1, BS






School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAPHYBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 30 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151.</li> <li>• Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU).</li> </ul>
 PHY 151: Physics II (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	17		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 201: Mathematical Methods in Physics I (CS)	3	C	

🚩 PHY 252: Physics III (SQ)	4	C
Literacy and Critical Inquiry (L)	3	
Complete 2 courses:		
Elective	6	
🚩 Maintain 2.50 GPA in Critical Tracking Courses.		
Term hours subtotal:	16	

- Activate your [Handshake account](#) and build out your profile.
- Create a first [draft resume](#)

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	
★ PHY 310: Classical Particles, Fields, and Matter I	3	C	
★ PHY 314: Quantum Physics I	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 311: Classical Particles, Fields, and Matter II	3	C	
★ PHY 315: Quantum Physics II	3	C	
★ PHY 334: Advanced Laboratory I (L)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Elective OR PHY 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- Explore [graduate programs](#)
- Prepare for the [physics GRE](#)

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 441: Statistical and Thermal Physics	3	C	
PHY 333: Electronic Circuits and Measurements OR PHY 465: Advanced Laboratory II	3	C	
PHY 412: Classical Particles, Fields, and Matter III OR PHY 416: Quantum Physics III	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

- Develop your [professional online presence](#)

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY Upper Division Elective	3	C	
Complete 3 courses:			
Elective	9		
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Physics (Secondary Education), BS






School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPHYSEBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college-specific First-Year Seminar required of all Freshmen Students.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
 Maintain 2.50 GPA in Critical Tracking Courses.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 118: Explorations in Science Teaching	1	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151</li> <li>• Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
 PHY 151: Physics II (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3		
Elective	2		
 Complete First-Year Composition requirement.			
 Minimum 2.50 GPA ASU Cumulative. Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

	Minimum
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Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
⚠ PHY 201: Mathematical Methods in Physics I (CS)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits including foundational coursework, and 2.5 CUM GPA to progress into Teachers College program.</li> <li>• Apply for <b>Identity Verified Print (IVP) DPS fingerprint card</b></li> </ul>
⚠ PHY 252: Physics III (SQ)	4	C	
⚠ PHY 333: Electronic Circuits and Measurements	3	C	
EDP 313: Childhood and Adolescence (SB) OR TEL 315: Child and Adolescent Development (L or SB)	3	C	
Humanities, Arts and Design (HU)	3		
⚠ Minimum 2.50 GPA ASU Cumulative.			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	<ul style="list-style-type: none"> <li>• Submit 'Intent to Progress' with IVP FPC by October 1, after submission of forms attend mandatory Teachers College Orientation</li> </ul>
★ PHY 310: Classical Particles, Fields, and Matter I	3	C	
★ PHY 314: Quantum Physics I	3	C	
★ PHY 334: Advanced Laboratory I (L)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Milestone: Complete online Intent to Progress form (meet with advisor).			
Term hours subtotal:	15		

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experiences, you will work alongside an intern mentor teacher in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 6-8.</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
★ PHY 311: Classical Particles, Fields, and Matter II	3	C	
★ PHY 315: Quantum Physics II	3	C	
★ PHY 480: Methods of Teaching Physics	3	C	
★ SED 398: Clinical Experience	1	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY 412: Classical Particles, Fields, and Matter III	3	C	<ul style="list-style-type: none"> <li>• <b>Register</b> for the NES exam for secondary professional knowledge (NES). Needed for certification in Arizona</li> <li>• All degree requirements must be completed prior to student teaching</li> <li>• Develop your <b>professional online presence</b></li> </ul>
★ PHY 441: Statistical and Thermal Physics	3	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	C	

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	• Only one course will be approved to take concurrently with student teaching.
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map



### Political Science, BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)



LAPOSBA



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into a mathematics course.</li> <li>• All freshmen are required to pass a Student Success seminar which is part of the CLAS block.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>• Visit the <b>Career and Professional Development Center</b> to identify networking opportunities and to seek career planning assistance.</li> <li>• <b>Related Area Courses:</b> Any course from the subjects in the list below will apply to the Related Area requirement.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• The electives in this degree program allow room for students to complete a <b>minor or certificate</b> program.</li> </ul>
POS Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>Attend career-related <b>workshops</b> and <b>meet</b> with a career counselor to discuss professional goals.</li> </ul>
POS Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 POS 301: Empirical Political Inquiry (SB)	3	C	<ul style="list-style-type: none"> <li>Participate in an <b>internship</b> to network and develop job-related skills.</li> <li>Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> </ul>
POS Upper Division Elective	3	C	
Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>A <b>study abroad</b> experience enhances cross-cultural awareness and may expand career opportunities.</li> <li>If interested, make preparations for <b>graduate</b> or law school.</li> </ul>
Complete 2 courses: Related Area Course	6	C	
Upper Division Elective	3		
Upper Division Elective OR POS 484: Internship	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake</b> account and build out your profile.</li> <li>Create a first draft <b>resume</b></li> <li>Complete an in person or virtual <b>practice interview</b></li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b></li> </ul>
Complete 4 courses: Upper Division Elective	12		
Term hours subtotal:	15		



- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following prefixes may be used.

Hide Course List(s)/Track Group(s)

Related Area Course

AES OR AFR OR AIS OR APA OR ASB OR  
 ASM OR COM OR ECN OR FAS OR GCU  
 OR GPH OR HST OR JUS OR MIS OR PHI  
 OR PSY OR REL OR SGS OR SOC OR TCL  
 OR WST Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map

### Political Science, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online](#)

LAPOSBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p> POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB &amp; G) or POS 160: Global Politics (SB &amp; G)</p>	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College-specific First Year Seminar is required for all freshman students.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 12 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Elective	2		
Term hours subtotal:	5		
Term 2 - A 12 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB &amp; G) or POS 160: Global Politics (SB &amp; G)</p>	3	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned.</li> <li>• As of fall 2018, Chinese, French, German, Italian and Spanish are the languages students may pursue to meet their second language requirement.</li> </ul>
<p>Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.</p>	4	C	
Term hours subtotal:	7		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• As of fall 2018, Chinese, French, German, Italian and Spanish are the languages students may pursue to meet their second language requirement.</li> <li>• Contact the <a href="#">ASU Career and Professional Development Center</a> to identify networking opportunities and to seek career planning assistance.</li> </ul>
<p>Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.</p>	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
		Minimum	

Term 3 - A 26 - 33 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
⚠ POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>As of fall 2018, Chinese, French, German, Italian and Spanish are the languages students may pursue to meet their second language requirement.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 3 - B 33 - 40 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 40 - 46 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>View <a href="#">career webinars</a> and meet with a career counselor to discuss professional goals.</li> </ul>
POS Elective	3	C	
Term hours subtotal:	6		

Term 4 - B 46 - 53 Credit Hours	Hours	Minimum Grade	Notes
Related Area Courses	3	C	<ul style="list-style-type: none"> <li>Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ POS 301: Empirical Political Inquiry (SB)	3	C	<ul style="list-style-type: none"> <li>Participate in an <a href="#">internship</a> to network and develop job-related skills.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 - B 59 - 65 Credit Hours	Hours	Minimum Grade	Notes
Related Area Courses	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 6 - A 65 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ POS Elective	3	C	<ul style="list-style-type: none"> <li>A <a href="#">study abroad</a> experience enhances cross-cultural awareness and may expand career opportunities.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Related Area Courses	3	C	

Upper Division Literacy and Critical Inquiry (L) 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Activate your <b>Handshake account</b> and build out your profile.</li> <li>• Create a first draft <b>resume</b></li> <li>• Complete an in person or virtual <b>practice interview</b></li> <li>• The electives in this degree program allow room for students to complete a <b>minor or certificate</b> program.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
Related Area Courses	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• If interested in pursuing additional education, make preparations for <b>graduate</b> or law school.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Upper Division Elective	6		<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following prefixes may be used.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR OR APA OR ASB OR ASM OR COM  
OR ECN OR FAS OR GCU OR GPH OR  
HST OR JUS OR PHI OR PSY OR REL OR  
SGS OR SOC OR WST Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Political Science, BS





School/College: The College of Liberal Arts and Sciences


Location: Tempe campus

LAPOSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course.</li> <li>• All freshmen are required to pass a Student Success course which is part of the CLAS block.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Related Area Course	3	C	
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>• Visit the <a href="#">Career and Professional Development Center</a> to identify networking opportunities and to seek career planning assistance.</li> <li>• Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• The electives in this degree program allow room for students to complete a <a href="#">minor or certificate</a> program.</li> </ul>
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses: POS Elective	6	C	

Literacy and Critical Inquiry (L)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Elective	3
Complete Natural Science - Quantitative (SQ) course.	
Term hours subtotal:	16

- Attend career related **workshops** and **meet** with a career counselor to discuss professional goals.

Term 5 63 - 78 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
POS 301: Empirical Political Inquiry (SB)	3	C	<ul style="list-style-type: none"> <li>• Participate in an <b>internship</b> to network and develop job-related skills.</li> </ul>
POS Upper Division Elective	3	C	
CLAS Science and Society Elective	3	C	
Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
POS 401: Political Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• A <b>study abroad</b> experience enhances cross-cultural awareness and may expand career opportunities.</li> <li>• If interested, make preparations for <b>graduate</b> or law school.</li> </ul>
Complete 2 courses:			
POS Upper Division Elective	6	C	
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Activate your <b>Handshake account</b> and build out your profile.</li> <li>• Take advantage of mock interview opportunities and <b>resume and cover letter</b> writing services.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR POS 484: Internship	3		
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	12		

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following prefixes may be used.  
All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two

can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

#### Hide Course List(s)/Track Group(s)

##### Related Area Course

AES OR AFR OR AIS OR APA OR ASB OR  
ASM OR COM OR ECN OR FAS OR GCU  
OR GPH OR HST OR JUS OR MIS OR PHI  
OR PSY OR REL OR SGS OR SOC OR TCL  
OR WST Elective

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Political Science, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online](#)

LAPOSBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar required of all freshman students.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>• Visit the <a href="#">Career and Professional Development Center</a> to identify networking opportunities and to seek career planning assistance.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• The electives in this degree program allow room for students to complete a <a href="#">minor or certificate</a> program.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
POS Elective	3	C	
Natural Science - Quantitative (SQ)	4		

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 38 - 44 Credit Hours	Hours	Minimum Grade	Notes
POS Elective	3	C	• View career <a href="#">webinars</a> and meet with a career counselor to discuss professional goals
CLAS Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 4 - B 44 - 51 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
❗ Complete Natural Science - Quantitative (SQ) course.			
Term hours subtotal:	7		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ POS 301: Empirical Political Inquiry (SB)	3	C	• Participate in an <a href="#">internship</a> to network and develop job-related skills.
POS Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ POS 401: Political Statistics (CS)	3	C	• A <a href="#">study abroad</a> experience enhances cross-cultural awareness and may expand career opportunities
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
POS Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	• Activate your <a href="#">Handshake</a> account and build out your profile. • Create a first draft <a href="#">resume</a> • Complete an in person or virtual <a href="#">practice interview</a>
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: Upper Division Elective	6		<ul style="list-style-type: none"> <li>The electives in this degree program allow room for students to complete a <b>minor or certificate</b> program.</li> </ul>
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>If interested in pursuing additional education, make preparations for <b>graduate or law school</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses: Related Area Courses	6	C	<ul style="list-style-type: none"> <li>Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> </ul>
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: Related Area Courses	6	C	<ul style="list-style-type: none"> <li>Finalize future educational or <b>career plans</b>.</li> <li>Apply for full-time <b>career opportunities</b></li> </ul>
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS Upper Division Elective	3	C	
Term hours subtotal:	3		

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following prefixes may be used.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill

the general studies HU, SB, SQ or SG requirements.

Students may not use more than 6 hours of POS 484 or POS 499 in the major.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR OR APA OR ASB OR ASM OR COM  
OR ECN OR FAS OR GCU OR GPH OR  
HST OR JUS OR PHI OR PSY OR REL OR  
SGS OR SOC OR WST Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map





### Politics and the Economy, BS




School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAPECBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3		<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• LIA 101 is required of all freshman students.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142.</li> <li>• Students considering graduate work in economics should choose MAT 270 or prerequisite course.</li> <li>• Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.</li> </ul>
 Mathematics (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• Students considering graduate work in economics should select MAT 270 instead of MAT 210.</li> <li>• Select your <b>career interest area</b> and play the game <b>me3@ASU</b></li> </ul>
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4.</li> <li>• Students considering graduate work in economics should select MAT 271 instead of MAT 211.</li> <li>• Visit the <b>Career and Professional Development Center</b> to identify networking</li> </ul>
 MAT 211: Mathematics for Business Analysis	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		

❗ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

opportunities and to seek career planning assistance.

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4.</li> <li>Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately.</li> <li>Attend career related workshops and <b>meet</b> with a career counselor to discuss professional goals.</li> </ul>
❗ POS 210: Political Ideologies (SB)	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>Students with credit for ECN 214 should not take ECN 312. Replace that course with an additional ECN upper-division elective (SB).</li> </ul>
★ POS 301: Empirical Political Inquiry (SB)	3	C	
POS 465: International Organization and Law (SB & G) OR POS 485: Political Economy (SB) OR POS 486: International Political Economy (SB & G)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>Students with credit for ECN 213 should not take ECN 313. Replace that course with an additional ECN upper-division elective.</li> <li>Complete an <b>internship</b> to develop job-related skills and connections.</li> <li>Use Handshake to research <b>employment opportunities</b></li> </ul>
★ ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy	3	C	
POS 465: International Organization and Law (SB & G) OR POS 485: Political Economy (SB) OR POS 486: International Political Economy (SB & G)	3	C	
ECN 221: Business Statistics (CS) OR POS 401: Political Statistics (CS)	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy	3	C	<ul style="list-style-type: none"> <li>Thinking about graduate school? Consider registering for a grad school test prep course.</li> </ul>
★ POS 465: International Organization and Law (SB & G) OR POS 485: Political Economy (SB) OR POS 486: International Political Economy (SB & G)	3	C	
Upper Division Elective OR POS 484: Internship OR ECN 484: Internship	3		
Upper Division Elective	3		

Elective	3
Term hours subtotal:	15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L) OR POS 348: Do You Want to Build a Nation? (L)	3	C	• Apply for full-time career opportunities
Complete 2 courses:	6		
Upper Division Elective			
Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Psychology, BA

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus



LAPGSBA



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR  ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into First-Year Composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. PSY 191 offered by the College of Liberal Arts and Sciences satisfies this requirement.</li> <li>• The terminal math course for the BA in psychology is MAT 170: Precalculus. Students who test into this course are not required to complete the prerequisite course(s).</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	14		
<hr/>			
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR  ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Foundation of Behavior - Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. Select courses from: ASB, ASM, BIO, GCU, HPS, PHI, SOC</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Foundations of Behavior	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
<hr/>			
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• <b>Languages offered</b></li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Explore an <b>internship</b>.</li> <li>• Pursue <b>research opportunities</b>.</li> </ul>
Foundations of Behavior	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Complete First-Year Composition requirement.			
Term hours subtotal:	16		






Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>• PSY Elective: Before graduation, students must complete 3 additional PSY courses (9 hours). At least 2 must be upper division. No more than 3 credit hours of PSY 394 may be used to fulfill the 9 credit hours of PSY electives. No more than 6 hours (total) from the following course list may be used to fulfill this requirement: PSY 294 Orientation Asst, Advisor Asst, PSY 394: UTA, Adv Advisor Asst, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.</li> </ul>
Foundations of Behavior	3	C	
PSY Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 5 60 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: 3** Breadth within Psychology	6	C	<ul style="list-style-type: none"> <li>• Breadth within Psychology - Before graduation, students must complete 1 course from 4 of the 5 Breadth course lists below (4 courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social.</li> <li>• CLAS PSY Residency Requirement: Before graduation, at least 12 credit hours of upper division (300 and 400 level) PSY course work must be completed through courses offered by the College of Liberal Arts and Sciences - Department of Psychology.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Term hours subtotal:	17		

Term 6 77 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: 3** Breadth within Psychology	6	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Foundations of Behavior	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	13		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 4** Depth within Psychology	3	C	<ul style="list-style-type: none"> <li>• Depth Psychology: Students must complete 2 courses from the course list below. NOTE: PSY 498: Pro-Seminar must be offered by the College of Liberal Arts and Sciences -- Department of Psychology.</li> <li>• PSY Upper Division Elective: Students must complete 3 additional PSY courses (9 hours). At least 2 must be upper division. No more than 3 credit hours of PSY 394 may be used to fulfill the 9 credit hours of PSY electives. No more than 6 hours (total) from the following course</li> </ul>
PSY Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR PSY 484: Internship	3		
Term hours subtotal:	15		

list may be used to fulfill this requirement: PSY 294 Orientation Asst, Advisor Asst, PSY 394: UTA, Adv Advisor Asst, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.

- Apply for **graduate** school.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Depth within Psychology	3	C	• Apply for full-time <b>career opportunities</b> .
PSY Upper Division Elective	3	C	
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Foundations of Behavior (12 credit hours from the following options)	Biological Breadth	Personality/Mental Health Breadth
ASB Elective	PSY 325: Physiological Psychology	PSY 315: Personality Theory and Research (SB)
ASM Elective		PSY 366: Abnormal Psychology (SB)
BIO Elective		
GCU Elective		
HPS Elective		
PHI Elective		
SOC Elective		
Cognitive/Learning Breadth	Developmental Breadth	Social Breadth
PSY 320: Learning and Motivation	PSY 341: Developmental Psychology (SB)	PSY 350: Social Psychology (SB)
PSY 323: Sensation and Perception		PSY 351: Honors Social Psychology (L or SB)
PSY 324: Memory and Cognition		
400 Level Depth within Psychology		
PSY 414: History of Psychology (L or SB)		
PSY 420: Analysis of Behavior (L)		
PSY 424: Genetic Psychology (L)		
PSY 425: Biological Bases of Behavior (L)		
PSY 426: Neuroanatomy		
PSY 430: Industrial Psychology		
PSY 432: Embodied Cognition (L)		
PSY 434: Cognitive Psychology (L)		
PSY 437: Human Factors (L)		
PSY 441: Cognitive Development (L or SB)		

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PSY 443: Abnormal Child Psychology (L or SB)

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PSY 444: Adolescent Psychology and Psychopathology

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PSY 446: Social Development (L or SB)

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PSY 447: Psychology of Aging (SB)

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PSY 451: Stereotyping, Prejudice, and Discrimination (L)

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PSY 458: Group Dynamics

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PSY 461: Interpersonal Influence (SB)

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PSY 462: Health Psychology

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PSY 465: Psychology of Stress and Coping

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PSY 468: Psychology and Law

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PSY 470: Psychopharmacology

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PSY 471: Psychological Testing

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PSY 472: Clinical Psychology

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PSY 498: Pro-Seminar

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### Psychology, BS



School/College: The College of Liberal Arts and Sciences

Location: Tempe campus



LAPGSBS



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into First-Year Composition.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course. The terminal course for the BS in psychology is either MAT 251 or MAT 270; students who test into either of these do not need to complete the pre-requisite course(s).</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. PSY 191 offered by the College of Liberal Arts and Sciences fulfills this requirement.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	1		
Term hours subtotal:	14-15		




Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Foundation of Behavior - Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. Select courses from: ASB, ASM, BIO, GCU, HPS, PHI, SOC</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Foundations of Behavior	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Pursue <b>research opportunities</b>.</li> </ul>
Foundations of Behavior	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	4		
Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>CLAS Science and Society - All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. A list of all approved courses and the requirement guidelines may be found <a href="#">here</a>.</li> <li>PSY Elective: Before graduation, students must complete 3 additional PSY elective courses (9 hours). At least 2 must be upper division. No more than 3 credit hours of PSY 394 may be used to fulfill the 9 credit hours of PSY electives. No more than 6 hours (total) from the following course list may be used to fulfill this requirement: PSY 294 Orientation Asst, Advisor Asst, PSY 394: UTA, Adv Advisor Asst, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.</li> </ul>
CLAS Science and Society Elective	3	C	
Foundations of Behavior	3	C	
PSY Elective	3	C	
Elective	3	C	
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: 3** Breadth within Psychology	6	C	<ul style="list-style-type: none"> <li>Breadth within Psychology: Before graduation, students must complete 1 course from 4 of the 5 Breadth course lists below (4 courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social.</li> <li>CLAS PSY Residency Requirement: Before graduation, at least 12 credit hours of upper division (300 and 400 level) PSY course work must be completed through courses offered by the CLAS - Department of Psychology.</li> </ul>
Upper Division CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	C	
Elective	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: 3** Breadth within Psychology	6	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b></li> <li>Draft a <b>resume</b></li> <li>Use Handshake to research <b>employment opportunities</b></li> <li>PSY Upper Division Elective: Before graduation, students must complete 3 additional PSY courses (9 hours). At least 2 must be upper division. No more than 3 credit hours of PSY 394 may be used to fulfill the 9 credit hours of PSY electives. No more than 6 hours (total) from the following course list may be used to fulfill this requirement: PSY 294 Orientation Asst, Advisor Asst, PSY 394: UTA, Adv Advisor Asst, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.</li> </ul>
PSY Upper Division Elective	3	C	
Foundations of Behavior	3	C	
Elective	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 4** Depth within Psychology	3	C	<ul style="list-style-type: none"> <li>Depth within Psychology: Before graduation, students must complete 2 courses from the</li> </ul>
PSY Upper Division Elective	3	C	

Upper Division Literacy and Critical Inquiry (L)	3	C
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3	
Elective OR PSY 484: Internship	3	
Term hours subtotal:	15	

course list below. NOTE: PSY 498 Pro-Seminar must be offered by the College of Liberal Arts and Sciences - Department of Psychology.

- Apply for full-time **career opportunities**.
- Apply for graduate school.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Depth within Psychology	3	C	
Complete 4 courses:			
Upper Division Elective	12		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Foundations of Behavior (12 credit hours from the following options)	Biological Breadth	Personality/Mental Health Breadth
ASB Elective	PSY 325: Physiological Psychology	PSY 315: Personality Theory and Research (SB)
ASM Elective		PSY 366: Abnormal Psychology (SB)
BIO Elective		
GCU Elective		
HPS Elective		
PHI Elective		
SOC Elective		
Cognitive/Learning Breadth	Developmental Breadth	Social Breadth
PSY 320: Learning and Motivation	PSY 341: Developmental Psychology (SB)	PSY 350: Social Psychology (SB)
PSY 323: Sensation and Perception		PSY 351: Honors Social Psychology (L or SB)
PSY 324: Memory and Cognition		
400 Level (4**) Depth within Psychology		
PSY 414: History of Psychology (L or SB)		
PSY 420: Analysis of Behavior (L)		
PSY 424: Genetic Psychology (L)		
PSY 425: Biological Bases of Behavior (L)		
PSY 426: Neuroanatomy		
PSY 430: Industrial Psychology		

PSY 432: Embodied Cognition (L)

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map



### Psychology (Psychological Science), BS



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPGSPSBS



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into First-Year Composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. PSY 191 offered by the College of Liberal Arts and Sciences satisfies this requirement</li> <li>• The terminal math course for the BS in psychology, psychological science concentration is MAT 251 or MAT 270. Students who test into either of these courses are not required to complete the prerequisite course(s)</li> <li>• Students completing MAT 251 in this term should select one elective course.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	14-15		



Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Foundations of Behavior - see course list below. Before graduation, students must complete at least 12 credit hours of course work from disciplines related to psychology. At least 6 hours must be from one discipline. Select courses from: ASB, ASM, BIO, GCU, HPS, PHI, SOC</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
Foundations of Behavior	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		




Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
Foundations of Behavior	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses:	4		
Elective	4		
Complete Mathematics (MA) requirement.			



Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>• CLAS Science and Society - All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. A list of all approved courses and the requirement guidelines may be found <a href="#">here</a>.</li> <li>• Explore an <a href="#">internship</a>.</li> <li>• Pursue <a href="#">research opportunities</a>.</li> </ul>
<i>Complete 2 courses:</i>			
Foundations of Behavior	6	C	
CLAS Science and Society Elective	3	C	
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Research Experience: Before graduating, students must complete at least 6 hours of Research Experience (PSY 399, PSY 499, PSY 492, or PSY 493)</li> <li>• Breadth within Psychology: Before graduation, students must complete 1 course from 4 of the 5 Breadth course lists below (4 courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social.</li> <li>• CLAS PSY Residency Requirement: Before graduation, at least 12 credit hours of upper division (300 and 400 level) PSY course work must be completed through courses offered by the College of Liberal Arts and Sciences - Department of Psychology.</li> </ul>
3** Breadth within Psychology Course	6	C	
PSY 399: Supervised Research	3	Y	
Upper Division CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a></li> <li>• Perfect your <a href="#">resume</a></li> </ul>
3** Breadth within Psychology Course	6	C	
PSY 330: Statistical Methods (CS)	3	C	
PSY 399: Supervised Research OR PSY 492: Honors Directed Study OR PSY 493: Honors Thesis (L) OR PSY 499: Individualized Instruction	3	Y	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
 <i>Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).</i>			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 4** Depth Within Psychology Course	3	C	<ul style="list-style-type: none"> <li>• Depth within Psychology: Before graduation, students must complete 2 courses from the course list below.</li> <li>• Apply for full-time <a href="#">career opportunities</a>.</li> <li>• Apply for graduate school.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR PSY 484: Internship	3		
<i>Complete 2 courses:</i>			
Upper Division Elective	6		

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Depth Within Psychology Course	3	C	
Complete 4 courses:	12		
Elective			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Students in this major must complete at least 6 credits of their Foundations of Behavior within a single department and course prefix.

Students cannot declare this major as freshmen. Students must have a minimum ASU cumulative GPA of 3.00 to be accepted into this major, and students must maintain a minimum ASU cumulative GPA of 3.00 to remain in the major.

Hide Course List(s)/Track Group(s)

Foundations of Behavior (12 credit hours from the following options. At least 6 hours must be from one discipline.)	Biological Breadth	Personality/Mental Health Breadth
ASB Elective	PSY 325: Physiological Psychology	PSY 315: Personality Theory and Research (SB)
ASM Elective		PSY 366: Abnormal Psychology (SB)
BIO Elective		
GCU Elective		
HPS Elective		
PHI Elective		
SOC Elective		
Cognitive/Learning Breadth	Developmental Breadth	Social Breadth
PSY 320: Learning and Motivation	PSY 341: Developmental Psychology (SB)	PSY 350: Social Psychology (SB)
PSY 323: Sensation and Perception		PSY 351: Honors Social Psychology (L or SB)
PSY 324: Memory and Cognition		
400 Level Depth within Psychology		
PSY 414: History of Psychology (L or SB)		
PSY 420: Analysis of Behavior (L)		
PSY 424: Genetic Psychology (L)		

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 427: Immunoneuropsychology: Research Foundation

PSY 430: Industrial Psychology

PSY 432: Embodied Cognition (L)

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total College Residency Hrs:** 12 minimum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Religious Studies (Religion, Culture and Public Life), BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LARELCPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 REL 101: Religion, Culture and Public Life (L or HU) & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>• ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Maintain 2.50 GPA in REL.			
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• See Religion, Culture and Public Life course list below. Students complete 15 credits from the Religion, Culture and Public Life concentration as part of the Religious Studies major.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• If interested in law school, review <a href="#">Pre-Law at ASU</a> website.</li> </ul>
Religion, Culture and Public Life Concentration Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in REL.			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
REL Outside Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Outside Concentration courses include any REL courses that are not listed in the Religion, Culture and Public Life concentration. REL 100 and REL 321 may count as either Religion, Culture and Public Life concentration courses, or as Outside Concentration courses, but not both.</li> <li>• Please see list of Related Area courses below.</li> </ul>
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
 Complete First-Year Composition requirement.			

❗ Complete Mathematics (MA) requirement.

Maintain 2.50 GPA in REL.

Term hours subtotal: 16

- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to [study abroad](#).

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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❗ Religion, Culture and Public Life Concentration Course

3 C

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3

Maintain 2.50 GPA in REL.

Term hours subtotal: 14

- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.
- Visit [Career and Professional Development Services](#) and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, [make an appointment](#) with the pre-law advisor.

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ REL 307: Religion: Theory and Practice (L or HU)

3 C

★ Upper Division Religion, Culture and Public Life Concentration Course

3 C

Related Area Course

3 C

Humanities, Arts and Design (HU) AND Historical Awareness (H)

3

Elective

3

Maintain 2.50 GPA in REL.

Term hours subtotal: 15

- REL 307 is typically offered only in the Fall semester.
- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.
- Consider participating in an [Undergraduate Research Experience](#) through the School of Historical, Philosophical and Religious Studies or a research opportunity in the [Humanities Lab](#).

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Religion, Culture and Public Life Concentration Course

3 C

Upper Division REL Outside Concentration Course

3 C

Upper Division Related Area Course

3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)

3

Upper Division Elective OR REL 484: Internship

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Maintain 2.50 GPA in REL.

Term hours subtotal: 15

- Upper division Outside Concentration courses include any upper division REL courses that are not listed in the Religion, Culture and Public Life concentration. REL 321 may count as either a Religion, Culture and Public Life concentration course, or as an Outside Concentration course, but not both.
- Participate in an [internship](#) to gain valuable career experience and contacts. For help exploring internship [opportunities related to your major](#), meet with an academic advisor.
- Explore [graduate school](#) opportunities.
- If planning on law school, prepare to take the [LSAT](#).

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Religion, Culture and Public Life Concentration Course

3 C

- Use Handshake to research [employment opportunities](#)

Upper Division Related Area Course	3	C
Humanities, Arts and Design (HU)	3	
Social-Behavioral Sciences (SB)	3	
Upper Division Elective	3	
Maintain 2.50 GPA in REL.		
Term hours subtotal:	15	

- Attend career fairs, workshops and related events offered by Career and Professional Development Services.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ REL 405: Problems in Religious Studies	3	C	<ul style="list-style-type: none"> <li>• REL 405 is a special topics seminar that serves as the capstone course for this major and is typically offered only in the Spring semester.</li> <li>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> <li>• Apply for full-time career opportunities</li> </ul>
Upper Division Related Area Course	3	C	
Complete 3 courses:	9		
Upper Division Elective			
★ Maintain 2.50 GPA in REL.			
Term hours subtotal:	15		

- Students complete 15 credit hours in the Religion, Culture and Public Life concentration, at least nine of which must be upper-division.

Students complete six credits of Outside Concentration REL courses, at least three of which must be upper-division. The Outside Concentration courses are any REL courses NOT in the Religion, Culture and Public Life concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Culture and Public Life concentration courses, or as Outside Concentration courses, but each course will satisfy only ONE requirement, not both.

Students complete 15 credits of courses in Related Areas, at least nine of which must be upper-division.

At least 12 upper-division hours in the major (REL) must be in courses offered by the College of Liberal Arts and Sciences.

#### Hide Course List(s)/Track Group(s)

Religion, Culture and Public Life Courses	REL Outside Concentration Courses	Related Area
REL 100: Religions of the World (HU & G)	Any REL course that is NOT listed in the Religion, Culture and Public Life concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both.	AFR OR AIS OR AMS OR APA OR APH OR ARS OR ASB OR GCU OR HPS OR HST OR JUN OR PHI OR POS OR SGS OR SOC OR TCL OR WST Elective
REL 202: Religion and Popular Culture (HU & C)		
REL 205: Life, Sex and Death (HU)	REL 100: Religions of the World (HU & G)	JST Elective (not from JST 131, 132, 231, or 232)
REL 207: Ritual, Symbol, and Myth (L or HU)	REL 321: Religion in America ((L or HU) & C & H)	ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)
REL 270: Introduction to Christianity (HU)		ARB 335: Arabic Culture and Islam (G)
REL 287: Topics in Film, Media, and Religion (HU & G)		ARB 336: Introduction to the Qur'an
REL 301: Comparative Mysticism (HU)		ARB 337: Hadith and Prophetic Tradition
REL 310: Western Religious Traditions (HU & H)		ARB 341: Quran Text and Women (HU & H)
		ARB 351: Classical Arabic Literature



REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)	ARB 352: Modern Arabic Literature in Translation
REL 320: American Religious Traditions (HU & C & H)	BIO 312: Bioethics (HU)
REL 321: Religion in America ((L or HU) & C & H)	BIO 315: Science, Values, and the Public or ENG 370: Science, Values, and the Public
REL 326: U.S. Latino Religion and Culture (HU & C)	BIO 318: History of Medicine (HU & H)
REL 330: Native American Worldviews (HU & C)	CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)
REL 343: Daoism ((L or HU) & G & H)	CHI 321: Chinese Literature (HU)
REL 346: Chinese Religions	CHI 322: Chinese Literature (HU & G)
REL 350: Hinduism ((L or HU) & G)	CHI 345: Chinese Film and Civilization
REL 351: Buddhism ((L or HU) & G)	CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)	CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)
REL 365: Islamic Civilization (HU & H)	ENG 315: Medieval Literature in Translation (HU)
REL 371: New Testament (HU)	ENG 333: Magic Jews: Contemporary American Jewish Fiction ((L or HU) & C)
REL 372: Formation of the Christian Tradition (HU & H)	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
REL 382: Magick, Religion and Science (L or HU)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
REL 390: Women, Gender and Religion (HU & G)	ENG 356: The Bible as Literature (HU)
REL 393: Religion and Sex (HU)	ENG 359: Indigenous American Literature ((L or HU) & C)
	GER 315: Germanic Mythology (HU & G)
	HEB 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU)
	HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)
	HEB 348: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)
	HEB 375: Contemporary Culture of Israel (HU & G)
	HEB 411: Judaism and the Beginnings of Christianity (HU & H)

HON 171: The Human Event (L or HU)

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HON 272: The Human Event ((L or HU) & H)

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HON 370: History of Ideas (L or HU)

---

HON 379: Romantics, Victorians, and Moderns (HU & G)

---

IAS 430: Science and Religion (L or HU)

---

JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)

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JPN 445: Readings in Modern Japanese Letters and Culture

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KOR 250: Korean Culture and Society (HU & G)

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KOR 347: Korean Film and Literature (HU)

---

KOR 350: Women of Korea (H)

---

KOR 354: Religions of Korea (HU)

---

MUS 347: Jazz in America (HU & C)

---

MUS 354: Popular Music (HU)

---

MUS 355: American Music (HU & C & H)

---

MUS 371: World Music (HU & G)

---

POR 472: Luso-Brazilian Civilization (HU & G)

---

PSY 350: Social Psychology (SB)

---

SLC 142: Ancient Greek Civilization (HU & H) or GRK 142: Ancient Greek Civilization (HU & H)

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SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

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SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

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SLC 362: Ancient Greek Religion or GRK 362: Ancient Greek Religion

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SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

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SLC 455: Multi-Kulti: Multiculturalism Through Film (G) or GER 455: Multi-Kulti: Multiculturalism Through Film (G)

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SPA 325: Introduction to Hispanic Literature (HU)

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SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

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SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

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TCL 328: U.S. Latino Religion and Culture (HU & C)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Religious Studies (Religion, Culture and Public Life), BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online](#)



LARELCPBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<b>REL 101: Religion, Culture and Public Life (L or HU) &amp; G</b>	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASU 101 is not required of transfer students.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li><b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		
Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Religion, Culture and Public Life Concentration Course	3	C	<ul style="list-style-type: none"> <li>The ASU Online Religious Studies major focuses on Religion, Culture and Public Life. Students complete 15 total credit hours in this concentration. Please see the Religion, Culture and Public Life course list below.</li> <li>Review the <b>Career Guide for ASU Online students</b> to learn about available career planning resources.</li> <li>If interested in law school, review <b>Pre-Law at ASU</b> website.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
<b>Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</b>			
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	7		

Term 3 - A 27 - 34 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
REL Outside Concentration Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	7		

- Please see REL Outside Concentration Course list below.
- Explore opportunities to **study abroad**. Online students are eligible and encouraged to participate!

Term 4 - A 41 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Religion, Culture and Public Life Concentration Course	3	C	
Natural Science - Quantitative (SQ)	4		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	7		

- Explore the **Career and Professional Development Services** website and arrange a **virtual advising** session with a career counselor for assistance with career planning and networking.
- If interested in law school, **make a phone appointment** with the pre-law advisor.

Term 4 - B 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.

Term 5 - A 54 - 60 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 REL 307: Religion: Theory and Practice (L or HU)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

- REL 307 is typically offered only in the Fall semester.
- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.

Term 5 - B 60 - 67 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

- Participate in an **internship** to gain valuable career experience and contacts. For help exploring internship **opportunities related to your major**, contact an academic advisor.

		Minimum	
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Term 6 - A 67 - 73 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
★ Upper Division Religion, Culture and Public Life Concentration Course	3	C	<ul style="list-style-type: none"> <li>Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 6 - B 73 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division REL Outside Concentration Course	3	C	<ul style="list-style-type: none"> <li>If planning on law school, prepare to take the <b>LSAT</b>.</li> </ul>
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 7 - A 79 - 85 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Culture and Public Life Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore <b>graduate school</b> opportunities.</li> </ul>
Upper Division Elective	3		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 7 - B 85 - 91 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>View career <b>webinars</b> offered by Career and Professional Development Services.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 91 - 97 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Culture and Public Life Concentration Course	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Upper Division Related Area Course	3	C	
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 8 - B 97 - 103 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	6		

Term 9 - A 103 - 109 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ REL 406: Religious Studies Capstone I	1	C	<ul style="list-style-type: none"> <li>REL 406 and REL 407 serve as the capstone courses for this major and are typically offered only in the Spring semester.</li> </ul>
Upper Division Elective	3		
Elective	2		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 9 - B 109 - 114 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ REL 407: Religious Studies Capstone II	2	C	<ul style="list-style-type: none"> <li>Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> </ul>
Upper Division Elective	3		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	5		

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities.</li> </ul>
Upper Division Elective	3		
★ Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

- Students complete 15 credit hours in the Religion, Culture and Public Life concentration, at least nine of which must be upper-division.

Students complete six credit hours in Outside Concentration REL courses, at least three of which must be upper-division. Outside Concentration courses include all REL courses that are not part of the Religion, Culture and Public Life concentration. Due to their broad content, REL 100 and REL 321 appear in both the Religion, Culture and Public Life and the Outside Concentration course lists. Students may use these courses to satisfy a concentration requirement OR an Outside Concentration requirement, but each course will apply toward only ONE requirement, not both.

Students complete 15 credits of courses in related areas, at least nine of which must be upper-division.

At least 12 upper-division hours in the major (REL) must be in courses offered by the College of Liberal Arts and Sciences.

#### Hide Course List(s)/Track Group(s)

Religion, Culture and Public Life	REL Outside Concentration Courses	Related Area
REL 100: Religions of the World (HU & G)	REL 100: Religions of the World (HU & G)	AFR OR APA OR ARS OR ASB OR GCU OR HST OR JUS OR PHI OR POS OR SOC OR WST Elective
REL 202: Religion and Popular Culture (HU & C)	REL 107: Religion and Globalization (HU & G)	ARB 335: Arabic Culture and Islam (G)
REL 205: Life, Sex and Death (HU)	REL 321: Religion in America ((L or HU) & C & H)	ARB 336: Introduction to the Qur'an
REL 207: Ritual, Symbol, and Myth (L or HU)	REL 366: Islam in the Modern World (HU & G)	BIO 312: Bioethics (HU)
REL 301: Comparative Mysticism (HU)	REL 374: Witchcraft and Heresy in Europe ((L or HU) & H)	BIO 318: History of Medicine (HU & H)
REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)		ENG 333: Magic Jews: Contemporary American Jewish Fiction ((L or HU) & C)
REL 320: American Religious Traditions (HU & C & H)		ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
REL 321: Religion in America ((L or HU) & C & H)		ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
REL 330: Native American Worldviews (HU & C)		ENG 356: The Bible as Literature (HU)
REL 350: Hinduism ((L or HU) & G)		

REL 351: Buddhism ((L or HU) & G)

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REL 371: New Testament (HU)

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REL 390: Women, Gender and Religion (HU & G)

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ENG 359: Indigenous American Literature ((L or HU) & C)

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MUS 347: Jazz in America (HU & C)

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MUS 354: Popular Music (HU)

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MUS 355: American Music (HU & C & H)

---

MUS 371: World Music (HU & G)

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PSY 350: Social Psychology (SB)

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SPA 325: Introduction to Hispanic Literature (HU)

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SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

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SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### Religious Studies (Religion, Politics and Global Affairs), BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LARELPGBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 REL 101: Religion, Culture and Public Life (L or HU) & G	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course</li> <li>• ASU 101 or College-specific equivalent First Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Maintain 2.50 GPA in REL.			
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• See Religion, Politics and Global Affairs course list below. Students complete 15 credits from the Religion, Politics and Global Affairs concentration as part of the Religious Studies major.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• If interested in law school, review the <b>Pre-Law at ASU</b> website.</li> </ul>
Religion, Politics and Global Affairs Concentration Course	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in REL.			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
REL Outside Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Outside Concentration courses include any REL courses that are not listed in the Religion, Politics and Global Affairs concentration. REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but not both.</li> <li>• Please see list of Related Area courses below.</li> </ul>
Related Area Course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			

❗ Complete Mathematics (MA) requirement.

Maintain 2.50 GPA in REL.

Term hours subtotal: 16

- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to **study abroad**.

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ Religion, Politics and Global Affairs Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.50 GPA in REL.			
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ REL 307: Religion: Theory and Practice (L or HU)	3	C	<ul style="list-style-type: none"> <li>• REL 307 is typically offered only in the Fall semester.</li> <li>• Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.</li> <li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> </ul>
★ Upper Division Religion, Politics and Global Affairs Concentration Course	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Maintain 2.50 GPA in REL.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Politics and Global Affairs Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Upper division Outside Concentration courses include any upper division REL courses that are not listed in the Religion, Politics and Global Affairs concentration. REL 321 may count as either a Religion, Politics and Global Affairs concentration course, or as an Outside Concentration course, but not both.</li> <li>• Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li> <li>• Explore <b>graduate school</b> opportunities.</li> <li>• If planning on law school, prepare to take the <b>LSAT</b>.</li> </ul>
Upper Division REL Outside Concentration Course	3	C	
Upper Division Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR REL 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.50 GPA in REL.			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Politics and Global Affairs Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Use <b>Handshake</b> to research employment opportunities.</li> </ul>

Upper Division Related Area Course	3	C
Social-Behavioral Sciences (SB)	3	
Upper Division Elective	3	
Elective	3	
Maintain 2.50 GPA in REL.		
Term hours subtotal:	15	

- Attend career fairs, workshops and related events offered by Career and Professional Development Services.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ REL 405: Problems in Religious Studies	3	C	<ul style="list-style-type: none"> <li>• REL 405 is a special topics seminar that serves as the capstone course for this major and is typically offered only in the Spring semester.</li> <li>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> <li>• Apply for full-time career opportunities</li> </ul>
Upper Division Related Area Course	3	C	
Complete 3 courses:	9		
Upper Division Elective			
★ Maintain 2.50 GPA in REL.			
Term hours subtotal:	15		

- Students complete 15 credit hours in the Religion, Politics and Global Affairs concentration, at least nine of which must be upper-division.

Students complete six credits of Outside Concentration REL courses, at least three of which must be upper-division. The Outside Concentration courses are any REL courses NOT in the Religion, Politics and Global Affairs concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but each course will satisfy only ONE requirement, not both.

Students complete 15 credits of courses in Related Areas, at least nine of which must be upper-division.

At least 12 upper-division hours in the major (REL) must be in courses offered by the College of Liberal Arts and Sciences.

#### Hide Course List(s)/Track Group(s)

Religion, Politics and Global Affairs	REL Outside Concentration Courses	Related Area
REL 100: Religions of the World (HU & G)	Any REL course that is NOT listed in the Religion, Politics and Global Affairs concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both.	AFR OR AIS OR AMS OR APA OR APH OR ARS OR ASB OR GCU OR HPS OR HST OR JUN OR PHI OR POS OR SGS OR SOC OR TCL OR WST Elective
REL 107: Religion and Globalization (HU & G)		JST Elective (not from JST 131, 132, 231, or 232)
REL 201: Religion and the Modern World (L or HU)	REL 100: Religions of the World (HU & G)	
REL 225: African American Religion (HU & C)	REL 321: Religion in America ((L or HU) & C & H)	ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)
REL 319: Religion, Violence and America		ARB 335: Arabic Culture and Islam (G)
REL 321: Religion in America ((L or HU) & C & H)		ARB 336: Introduction to the Qur'an
REL 347: Peace and Conflict in India ((L or HU) & G)		ARB 337: Hadith and Prophetic Tradition
REL 352: Modern Buddhism		ARB 341: Quran Text and Women (HU & H)
REL 354: Religions of Korea (HU)		ARB 351: Classical Arabic Literature

REL 362: Islam and Islamic Societies in Africa: Social and Political History (G)	ARB 352: Modern Arabic Literature in Translation
REL 363: Islam and World Affairs (G)	BIO 312: Bioethics (HU)
REL 364: Islam in Eurasia and Central Asia	BIO 315: Science, Values, and the Public or ENG 370: Science, Values, and the Public
REL 366: Islam in the Modern World (HU & G)	BIO 318: History of Medicine (HU & H)
REL 374: Witchcraft and Heresy in Europe ((L or HU) & H)	CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)
REL 377: Religion in Russia (HU & H)	CHI 321: Chinese Literature (HU)
REL 378: Religion, War and Peace (L)	CHI 322: Chinese Literature (HU & G)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)	CHI 345: Chinese Film and Civilization
REL 381: Religion and Moral Issues (L or HU)	CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)
REL 387: Religion and Conflict: Theories and Cases ((L or HU) & G)	CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)
REL 388: Religion, Ethics, and International Politics	ENG 315: Medieval Literature in Translation (HU)
REL 461: Different Voices Within Contemporary Islamic Discourse	ENG 333: Magic Jews: Contemporary American Jewish Fiction ((L or HU) & C)
	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
	ENG 356: The Bible as Literature (HU)
	ENG 359: Indigenous American Literature ((L or HU) & C)
	GER 315: Germanic Mythology (HU & G)
	HEB 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU)
	HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)
	HEB 348: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)
	HEB 375: Contemporary Culture of Israel (HU & G)
	HEB 411: Judaism and the Beginnings of Christianity (HU & H)

HON 171: The Human Event (L or HU)

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HON 272: The Human Event ((L or HU) & H)

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HON 370: History of Ideas (L or HU)

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HON 379: Romantics, Victorians, and Moderns (HU & G)

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IAS 430: Science and Religion (L or HU)

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JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)

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JPN 445: Readings in Modern Japanese Letters and Culture

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KOR 250: Korean Culture and Society (HU & G)

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KOR 347: Korean Film and Literature (HU)

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KOR 350: Women of Korea (H)

---

KOR 354: Religions of Korea (HU)

---

MUS 347: Jazz in America (HU & C)

---

MUS 354: Popular Music (HU)

---

MUS 355: American Music (HU & C & H)

---

MUS 371: World Music (HU & G)

---

POR 472: Luso-Brazilian Civilization (HU & G)

---

PSY 350: Social Psychology (SB)

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SLC 142: Ancient Greek Civilization (HU & H) or GRK 142: Ancient Greek Civilization (HU & H)

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SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

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SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

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SLC 362: Ancient Greek Religion or GRK 362: Ancient Greek Religion

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SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

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SLC 455: Multi-Kulti: Multiculturalism Through Film (G) or GER 455: Multi-Kulti: Multiculturalism Through Film (G)

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SPA 325: Introduction to Hispanic Literature (HU)

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SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

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SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

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TCL 328: U.S. Latino Religion and Culture (HU & C)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Russian, BA






School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LARUSBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3		<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li><b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>Engage in <b>Russian</b> at ASU. Practice your language skills at the <b>SILC Cafe</b></li> <li>Play <b>me3@ASU</b> and set up your <b>Handshake</b> account.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
RUS 101: Elementary Russian I	5	C	
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures Russian faculty member or <b>academic advisor</b> to discuss the best <b>study abroad options</b> for your major.</li> <li>Attend a <b>Financing Your Study Abroad Program Workshop</b>.</li> </ul>
RUS 102: Elementary Russian II	5	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 RUS 211: Basic Russian Conversation I (G)	3	C	<ul style="list-style-type: none"> <li>Explore your <b>career interest</b> area.</li> </ul>
 SLC 202: Introduction to Literary and Cultural Theory	3	C	
RUS 201: Intermediate Russian I (G)	5	C	
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement. Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ RUS 212: Basic Russian Conversation II (G)	3	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to explore internship and career opportunities in the U.S. State Department and Foreign Affairs.</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• Learn about <b>internships, scholarships and awards</b> for language and culture majors.</li> <li>• Learn about research opportunities at the <b>Humanities Lab</b>.</li> <li>• Heritage speakers of Russian may take RUS 295 Russian for Heritage Speakers, a 3 credit course equivalent to RUS 202.</li> </ul>
RUS 202: Intermediate Russian II (G)	5	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RUS 311: Russian Composition and Conversation I (G)	3	C	<ul style="list-style-type: none"> <li>• Explore opportunities working for the <b>Peace Corps</b>.</li> </ul>
Related Area Course	3	C	
RUS OR SLV Upper Division Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RUS 312: Russian Composition and Conversation II (G)	3	C	<ul style="list-style-type: none"> <li>• Plan ahead. Learn about <b>national scholarship, fellowship and research</b> opportunities.</li> <li>• Attend an <b>ASU Career Services</b> workshop.</li> </ul>
SLV 304: Digital Humanities for Language Majors (CS) OR SLV 440: History of Slavic Languages (SB)	3	C	
Upper Division Restricted Electives	3	C	
Related Area Course	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RUS 411: Advanced Composition and Conversation I (G) OR RUS 412: Advanced Composition and Conversation II (G)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
Upper Division Restricted Electives	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RUS 430: Russian Short Story (L or HU)	3		<ul style="list-style-type: none"> <li>• Attend a <b>Career Services</b> workshop or career fair.</li> </ul>



★ 4\*\* SLC 400-level Required Culture Course 3 C

Complete 3 courses: 9  
Upper Division Elective

Term hours subtotal: 15

- SLC 400-level language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

SLC 400-Level Required Culture Course Option	Related Area Course	Upper-Division Restricted Electives
SLC 414: French and Italian Popular Culture ((L or HU) & G)	GCU 426: Geography of Russia and Surroundings (SB & G)	RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU)
SLC 415: Korean Popular Culture	HST 354: Revolutionary Europe (SB & H)	RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G)
SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)	HST 355: Total War and the Crisis of Modernity (SB & G & H)	RUS 421: Pushkin (L or HU)
SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)	HST 356: Europe since 1945 (SB & G & H)	RUS 425: Chekhov and Russian Drama (L or HU)
SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)	HST 370: Eastern Europe in Transition (SB & G & H)	RUS 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)
SLC 429: What is Europe? ((L or HU) & G & H)	HST 432: Eastern Europe the Balkans, 20th Century (G & H)	
SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)	HST 435: The Russian Empire (SB & H)	
SLC 441: Fairy Tales (HU & G)	HST 436: The Soviet Experiment (SB & G & H)	
SLC 444: Heroes, Ancient and Modern (L or HU)	MHL 363: Survey of Russian Music (HU)	
SLC 445: The Holocaust in German-Mediated Memory	POS 360: World Politics (SB & G)	
SLC 446: Weimar-Era German Film	POS 467: International Security (SB & G)	
SLC 447: German Modernism	POS 486: International Political Economy (SB & G)	
SLC 450: Experimental Narrative	SLC 340: Approaches to International Cinema (HU & G)	
SLC 451: Chinese Cultural History I ((HU or SB) & H)	SLV Upper Division Elective	
SLC 452: Chinese Cultural History II (SB & G & H)		
SLC 455: Multi-Kulti: Multiculturalism Through Film (G)		
SLC 457: Premodern Korea in a Global Context		
SLC 459: Latin American Jewish Culture		

SLC 475: Latin American Film ((L or HU) & G)

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SLC 494: Special Topics

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Sociology, BS




School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)

LASOCBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select a <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 241: Modern Social Problems (SB) OR SOC 264: Gender and Society (SB & C) OR SOC 270: Racial and Ethnic Relations (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Network in your <b>career interest area</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SOC Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Additional Related Area Course AND Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		

Complete 2 courses: 6  
 Elective

Term hours subtotal: 15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC 390: Social Statistics I (CS)	3	C	
Additional Related Area Course AND Social-Behavioral Sciences (SB)	3	C	
SOC Upper Division Elective	3	C	
CLAS Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC 391: Research Methods (L or SB) OR FAS 361: Research Methods (L or SB)	3	C	• Use Handshake to research employment opportunities
SOC Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC 483: History of Social Thought (SB) OR SOC 486: Contemporary Theory (SB)	3	C	• Gather professional references
SOC Upper Division Elective	3	C	
Upper Division Elective OR SOC 484: Internship	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	• Apply for full-time career opportunities
Complete 2 courses: Related Area Course	6	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be

upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Students choose 9 credit hours from the related area prefixes below. The additional 6 credit hours of related area work may be from any any prefix but must also carry the "SB" General Studies designation.

#### Hide Course List(s)/Track Group(s)

##### Related Area Courses

AFR OR APA OR ASB OR CDE OR ECN  
OR FAS OR GCU OR HST OR POS OR PSY  
OR TCL OR WST Elective

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map

### Sociology, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online](#)

LASOCBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or College specific equivalent First Year Seminar is required of all freshman students.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
SOC 241: Modern Social Problems (SB) OR SOC 264: Gender and Society (SB & C) OR SOC 270: Racial and Ethnic Relations (SB & C)	3		<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Elective	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Additional Related Area Course AND Social-Behavioral Sciences (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
◆ Complete First-Year Composition requirement.	
◆ Complete Mathematics (MA) requirement.	
Term hours subtotal:	6

Term 4 - A 38 - 45 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Additional Related Area Course AND Social-Behavioral Sciences (SB)	3	C	• Related area course cannot be from SOC.
Elective	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC 390: Social Statistics I (CS)	3	C	
SOC Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	• Develop your professional online presence
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours	Hours	Minimum Grade	Notes
CLAS Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC 391: Research Methods (L or SB) OR FAS 361: Research Methods (L or SB)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SOC Upper Division Elective	3	C
Upper Division CLAS Science and Society Elective	3	C
Term hours subtotal:	6	

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC 483: History of Social Thought (SB)	3	C	• Use Handshake to research employment opportunities
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		• Apply for full-time career opportunities
Term hours subtotal:	3		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Students choose 9 credit hours from the related area prefixes below. The additional 6 credit hours of related area work may be from any any prefix but must also carry the "SB" General Studies designation.

Hide Course List(s)/Track Group(s)

Related Area Courses



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AFR OR APA OR CDE OR ECN OR FAS  
OR GCU OR HST OR POS OR PSY OR TCL  
OR WST Elective

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Spanish - Linguistics, BA





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASPABA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Only true beginners are eligible to take SPA 101 and are required to request a <b>permission override</b> to register for this course. Students who have had previous experience in Spanish are required to take a <b>Spanish Placement Test</b>.</li> <li>• Learn about <b>Spanish Language Intensive Courses</b>.</li> <li>• Engage in <b>Spanish</b> at ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
SPA 111: Fundamentals of Spanish	4	C	
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Start planning to study abroad. Learn about Global Intensive Experience and/or faculty-directed summer programs in Argentina, Brazil, Cuba, Mexico, and Leon or Sevilla, Spain, offered through <b>ASU Study Abroad</b> and the <b>School of International Letters and Cultures (SILC)</b>.</li> <li>• Attend a <b>Financing Your Study Abroad Workshop</b>.</li> <li>• Spanish offers a huge advantage if you are interested in working in the <b>Peace Corps</b>.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (G)	4-6	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16-18		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 202: Introduction to Literary and Cultural Theory	3	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss <b>internships</b> and <b>scholarships and awards</b> for language and culture majors.</li> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> </ul>
SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (G)	4	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Maintain 2.33 GPA in Critical Tracking Courses.			

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)	3	C	<ul style="list-style-type: none"> <li>• Proficiency in Spanish and/or Portuguese offers an advantage to those who are interested in <b>U.S. State Department careers</b>.</li> <li>• Learn about research opportunities through the <b>Humanities Lab</b>.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)	3	C	<ul style="list-style-type: none"> <li>• Enroll in listed courses or meet with a <b>SILC academic advisor</b> to discuss the best study abroad options for your major.</li> <li>• Explore your <b>career interest area</b> with your academic advisor.</li> </ul>
★ POR 101: Elementary Portuguese I OR POR 320: Portuguese for Spanish Speakers I	3-4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15-16		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SPA 400: Fundamentals of Spanish Linguistics (SB & G)	3	C	<ul style="list-style-type: none"> <li>• Learn about national <b>scholarships, fellowships and research opportunities</b>.</li> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
★ SPA 412: Advanced Conversation and Composition (G)	3	C	
★ POR 201: Intermediate Portuguese I (G) OR POR 321: Portuguese for Spanish Speakers II	3-4	C	
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) OR SPA 472: Latin American Society: Five Case Studies (HU & H & G) OR SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) OR SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G)	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SPA 418: Architecture of Spanish	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
★ SPA 420: Applied Spanish Linguistics (L)	3	C	
★ Upper Division SPA Elective	3	C	
Upper Division Elective OR SPA 484: Internship	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SPA 417: The Sounds of Spanish (CS)	3	C
★ SPA 419: Spanish Around the World (CS & C)	3	C
★ 4** SLC Required Culture Course	3	C
Upper Division Elective	3	
Elective	3	
Term hours subtotal:		15

- Attend an ASU Career Services Workshop or Career Fair.

- SLC 400-level language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

SLC 400-Level Required Culture Course Option	Upper Division SPA Elective
SLC 414: French and Italian Popular Culture ((L or HU) & G)	SPA 319: Business Correspondence and Communication (G)
SLC 415: Korean Popular Culture	SPA 325: Introduction to Hispanic Literature (HU)
SLC 423: Italian Organized Crime in Films and History (HU & L& G)	SPA 394: Special Topics
SLC 425: What is Globalization? A History of Contact and Conflict (HU & G)	SPA 414: Spanish for Sustainability and Environmental Studies
SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)	SPA 421: Spanish in the Southwest (C)
SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (HU & L)	SPA 459: Latin American Jewish Culture
SLC 441: Fairy Tales (HU & G)	SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)
SLC 444: Heroes, Ancient and Modern (L or HU)	SPA 472: Latin American Society: Five Case Studies (HU & H & G)
SLC 445: The Holocaust in German-Mediated Memory	SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)
SLC 446: Weimar-Era German Film	SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G)
SLC 447: German Modernism	SPA 475: Latin American Film ((L or HU) & G)
SLC 450: Experimental Narrative	SPA 484: Internship
SLC 451: Chinese Cultural History I ((HU or SB) & H)	SPA 494: Special Topics
SLC 452: Chinese Cultural History II (SB & G & H)	
SLC 455: Multi-Kulti: Multiculturalism Through Film (G)	
SLC 457: Premodern Korea in a Global Context	
SLC 459: Latin American Jewish Culture	

SLC 475: Latin American Film ((L or HU) & G)

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SLC 494: Special Topics

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Spanish - Literature and Culture, BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASPABA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Only true beginners are eligible to take SPA 101 and are required to request a <b>permission override</b> to register for this course. Students who have had previous experience in Spanish are required to take a <b>Spanish Placement Test</b>.</li> <li>• Learn about <b>Spanish Language Intensive Courses</b>.</li> <li>• SPA 101 and 102 or SPA 110 may be substituted for SPA 111</li> <li>• Engage in <b>Spanish</b> at ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
SPA 111: Fundamentals of Spanish	4	C	
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Start to plan your study abroad experience. Learn about faculty-directed Global Intensive Experience and summer abroad programs in Argentina, Brazil, Costa Rica, Mexico, and Leon or Sevilla, Spain, offered through the <b>ASU Study Abroad Office</b> and the <b>School of International Letters and Cultures</b>.</li> <li>• Attend a <b>Financing Your Study Abroad Workshop</b>.</li> <li>• Students may opt to take SPA 210 Intensive Spanish II, a six credit course equivalent to SPA 201 and SPA 202 in term 2.</li> <li>• Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (G)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 202: Introduction to Literary and Cultural Theory	3	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss <b>internships</b> and <b>scholarships and awards</b> for language and culture majors.</li> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> </ul>
SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (G)	4	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			

❗ Complete Mathematics (MA) requirement.

Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 14

- Learn about research opportunities through the [Humanities Lab](#).
- Select your [Career Interest Communities](#) and play [me3@ASU](#).

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)	3	C	<ul style="list-style-type: none"> <li>• Proficiency in Spanish and/or Portuguese is a great advantage to those who wish to pursue a career with the <a href="#">U.S. Department of State</a> or the Peace Corps.</li> <li>• Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)	3	C	<ul style="list-style-type: none"> <li>• Enroll in listed courses or meet with a <a href="#">SILC academic advisor</a> to discuss the best study abroad options for your major.</li> <li>• Explore your <a href="#">career interest area</a> with your academic advisor.</li> <li>• Students completing their Portuguese requirement with POR 320 and 321 may need to complete additional elective hours.</li> </ul>
POR 101: Elementary Portuguese I OR POR 320: Portuguese for Spanish Speakers I	4-3	C	
Literacy and Critical Inquiry (L)	3		
Elective	4-5		
Term hours subtotal:	14		

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SPA 325: Introduction to Hispanic Literature (HU)	3	C	<ul style="list-style-type: none"> <li>• Students completing their Portuguese requirement with POR 320 and 321 may need to complete additional elective hours.</li> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>• Learn about national <a href="#">scholarships, fellowships and research opportunities</a>.</li> </ul>
★ SPA 412: Advanced Conversation and Composition (G)	3	C	
POR 201: Intermediate Portuguese I (G) OR POR 321: Portuguese for Spanish Speakers II	4-3	C	
Upper Division Elective	3		
Elective	3-4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) OR SPA 472: Latin American Society: Five Case Studies (HU & H & G) OR SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) OR SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G)	3	C	<ul style="list-style-type: none"> <li>• Develop your skills.</li> </ul>
★ Upper Division Spanish Literature and Culture Electives	3	C	
SPA Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** SLC 400-level Required Culture Course	3	C	• Attend an ASU Career Services Workshop or Career Fair.
★ 4** Spanish Literature Course	3	C	
★ Complete 2 courses:			
Upper Division Spanish Literature and Culture Electives	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

- Students in the Spanish BA literature concentration must choose two upper division courses (six credit hours) of Spanish literature electives from a single regional option. Regional options include Latin American, Mexican American and Peninsular literature.

SLC 400-level language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)

4** Level Spanish Literature Course	SLC 400-Level Required Culture Course Option	Upper Division Literature and Culture Courses
SPA 425: Foundational Texts of Spain (L or HU)	SLC 414: French and Italian Popular Culture (HU & G)	SPA 456: 20th-Century Spanish American Fiction
SPA 426: Literature and Society in Modern Spain (HU)	SLC 415: Korean Popular Culture	SLC 475: Latin American Film ((L or HU) & G) or SLC 475: Latin American Film ((L or HU) & G)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)	SLC 423: Italian Organized Crime in Films and History: Approaches to Genre in Italian and American Film (HU & G)	SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)	SLC 425: What is Globalization? A History of Contact and Conflict (HU & L& G)	SPA 486: Chicano/a Novel: Última, Rafa y Lala
SPA 429: Writing Mexico: Major Texts ((L or HU) & G)	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)	SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)
SPA 464: Jaitñ Works in Chicano/a Literature ((HU or SB) & C)	SLC 439: Art in Exile: Vladmir Vladimirovich Nabokov (HU & L)	
	SLC 441: Fairy Tales (HU & G)	
	SLC 444: Heroes, Ancient and Modern (L or HU)	
	SLC 445: The Holocaust in German-Mediated Memory	
	SLC 446: Weimar-Era German Film	
	SLC 447: German Modernism	
	SLC 450: Experimental Narrative	
	SLC 451: Chinese Cultural History I ((HU or SB) & H)	
	SLC 452: Chinese Cultural History II (SB & G & H)	



SLC 455: Multi-Kulti: Multiculturalism  
Through Film (G)

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SLC 457: Premodern Korea in a Global  
Context

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SLC 459: Latin American Jewish Culture

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SLC 475: Latin American Film ((L or HU) &  
G)

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SLC 494: Special Topics

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

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**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Spanish, BA

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)

LASPABA

Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASU 101-UC: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college specific equivalent First-Year Seminar required of all freshman students</li> <li>• Only true beginners are eligible to take SPA 101 and are required to request a <b>permission override</b> to register for this course. Students who have had previous experience in Spanish are required to take a <b>Spanish Placement Test</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SPA 101: Elementary Spanish I	4	C	
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	8		

Term 1 - B 8 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Take advantage of <b>online tutoring</b>.</li> <li>• Utilize <b>ASU libraries</b>.</li> <li>• View ASU Online first-time freshmen registration information <b>here</b>.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
SPA 102: Elementary Spanish II	4	C	
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		

Term 2 - A 15 - 22 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• Start to plan your study abroad experience. Learn about <b>Global Intensive Experience</b> and summer abroad programs in Argentina, Brazil, Costa Rica, Mexico, and in Leon or Sevilla, Spain offered through <b>ASU Study Abroad</b> and the <b>School of International Letters and Cultures</b>.</li> <li>• Schedule an appointment with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> </ul>
SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (G)	4		
Term hours subtotal:	7		

Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (G)	4		<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

⚠ Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 7

Term 3 - A 29 - 35 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SLC 201: Introduction to Linguistics (HU or SB)	3	C	• Develop your <b>skills</b> .
⚠ SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)	3	C	
Term hours subtotal:	6		

Term 3 - B 35 - 41 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
⚠ Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 4 - A 41 - 48 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SPA 325: Introduction to Hispanic Literature (HU)	3	C	• Connect with <b>ASU Online Career and Professional Development Services</b> .
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 48 - 54 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SPA 412: Advanced Conversation and Composition (G)	3	C	
Elective	3		
⚠ Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 5 - A 54 - 61 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Electives	3	C	• Create a first draft <b>resume</b> .
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - B 61 - 67 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Spanish Literature	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - A 67 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Spanish Literature	3	C	• Use Handshake to research <b>employment opportunities</b>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 6 - B 73 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Spanish Literature	3	C	<ul style="list-style-type: none"> <li>• Earn credit toward your Spanish major abroad. Learn about your <b>study abroad</b> options.</li> <li>• Explore an <b>internship</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 79 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) OR SPA 472: Latin American Society: Five Case Studies (HU & H & G) OR SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 7 - B 85 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Electives	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - A 91 - 98 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Electives	3	C	
Elective	4		
Term hours subtotal:	7		

Term 8 - B 98 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Electives	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 104 - 110 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - B 110 - 114 Credit Hours	Hours	Minimum Grade	Notes
POR 101: Elementary Portuguese I OR POR 320: Portuguese for Spanish Speakers I	4-3	C	<ul style="list-style-type: none"> <li>• Three credit hours of POR 101 will be applied to the Spanish major requirements. The extra 2 credit hours from POR 101 will be applied toward the 120 total credit hours required for graduation.</li> <li>• Learn about ways to <b>build skills</b>.</li> </ul>
Term hours subtotal:	4-3		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Upper Division Major Electives	3	C
Elective	3	
Term hours subtotal:	6	

- Attend a virtual career and internship fair event.

Hide Course List(s)/Track Group(s)

Spanish Literature	Upper-Division Major Electives
SPA 425: Foundational Texts of Spain (L or HU)	SPA 319: Business Correspondence and Communication (G)
SPA 426: Literature and Society in Modern Spain (HU)	SPA 400: Fundamentals of Spanish Linguistics (SB & G)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)	SPA 413: Spanish Grammar in Context (G)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)	SPA 414: Spanish for Sustainability and Environmental Studies
SPA 429: Writing Mexico: Major Texts ((L or HU) & G)	SPA 420: Applied Spanish Linguistics (L)
SPA 486: Chicano/a Novel: <i>Áltima</i> , Rafa y Lala	SPA 425: Foundational Texts of Spain (HU)
	SPA 426: Literature and Society in Modern Spain (HU)
	SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)
	SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)
	SPA 429: Writing Mexico: Major Texts ((L or HU) & G)
	SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)
	SPA 472: Latin American Society: Five Case Studies (HU & H & G)
	SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)
	SPA 484: Internship
	SPA 486: Chicano/a Novel: <i>Áltima</i> , Rafa y Lala
	SPA 494: Advanced Spanish for Healthcare
	SPA 494: Spanish with a Legal Focus

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LATCLMBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Explore and select a <b>career interest area</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
TCL Elective	3	C	
Elective	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) & C)	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Complete Mathematics (MA) requirement.			

Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Completion of the College Second Language requirement is recommended by term 4.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experiences</b></li> </ul>
Media and Expressive Culture Track Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TCL 303: Transborder Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Upper Division Spanish course requirement for the major may be fulfilled by AP credit earned.</li> <li>• Explore an <b>internship</b></li> </ul>
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
Media and Expressive Culture Track Course	3	C	
SPA Upper Division Elective	3	C	
Upper Division Elective OR TCL 484: Internship	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TCL 304: Transborder Research Methods (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Media and Expressive Culture Track Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
TCL Elective	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
Media and Expressive Culture Track Course	3	C	
TCL Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	
Complete 4 courses: Upper Division Elective	12		
Term hours subtotal:	15		



Hide Course List(s)/Track Group(s)

Media and Expressive Culture

TCL 211: Transborder Chicano/a and Latino/a Poetry (HU & C)

TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU & C)

TCL 328: U.S. Latino Religion and Culture (HU & C)

TCL 331: Mexican American History to 1900 (SB & H & C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU & C & G)

TCL 351: Transborder Chicano/a and Latino/a Art (HU & C)

TCL 352: Chicana/o Film (C)

TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU)

TCL 464: Latina/o Literature ((L or HU) & C)

TCL 471: Latinos In Hollywood (HU & C)

TCL 485: Chicana and Latina Writers ((L or HU) & C)

TCL 490: Transborder Queer Performativity (HU & C)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map





### Journalism and Mass Communication, BA



School/College: Walter Cronkite School of Journalism & Mass Comm

Location:  
CSJMCBA

and  
Transborder  
Chicana/o  
and  
Latina/o  
Studies  
(Media and  
Expressive  
Culture),  
BA

The College of Liberal Arts and Sciences  
LATCLMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 305: Multimedia Journalism	3	C	
STP 226: Elements of Statistics (CS)	3		

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).

◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 3 32 - 48 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ JMC 366: Journalism Ethics and Diversity	3	C	• Build your professional connections --- join the <a href="#">ASU Mentor Network</a>
◆ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	
◆ TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) & C)	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
◆ Complete Mathematics (MA) requirement.			
◆ Complete First-Year Composition requirement.			
◆ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 4 48 - 65 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C	• Complete Spanish language proficiency by end of semester 4 - for the college requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) general studies requirement. • Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
◆ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..	4	C	
◆ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 5 65 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism	3	C	• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
★ TCL 303: Transborder Theory (SB)	3	C	
JMC 435: Latino and Transnational Issues	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 402: Mass Communication Law	3	C	• Explore an <b>internship</b>
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
JMC 470: Depth Reporting	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SPA Upper Division Elective	3	C	
Media and Expressive Culture Track Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 18

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	• Gather <b>professional references</b>
JMC 484: Internship	3	Y	
Upper Division JMC Advanced Skills Course	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
Media and Expressive Culture Track Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Professional programs require placement. Please consult your academic advisor. • Apply for <b>full-time career opportunities</b> .
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Complete 2 courses: Media and Expressive Culture Track Course	6	C	
Professional Program Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15

- Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Students must complete 15 credit hours from the Media and Expressive Culture Track.

Hide Course List(s)/Track Group(s)

Philosophy Course	Professional Program Courses	JMC Advanced Skills Course
HON 171: The Human Event (L or HU)	JMC 477: New Media Innovation and Entrepreneurship Lab	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)		

PHI 103: Principles of Sound Reasoning (L or HU)	JMC 478: Cronkite News - Phoenix Bureau	JMC 325: Breaking News Multimedia Reporting
PHI 105: Intro to Ethics (HU)	JMC 478: Cronkite News: Los Angeles	JMC 330: Television Reporting
PHI 306: Applied Ethics (HU)	JMC 479: Cronkite News: Washington Bureau	JMC 333: Advanced Bilingual Broadcast Reporting
	JMC 485: Television Magazine	JMC 351: Photojournalism I
		JMC 413: Advanced Editing
		JMC 414: Digital Graphic Design
		JMC 421: Advanced Digital Storytelling
		JMC 430: Sports Marketing and Campaigns
		JMC 434: Advanced Bilingual Reporting
		JMC 437: Documentary Production
		JMC 440: Magazine Writing
		JMC 455: Digital Media Entrepreneurship
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 478: Cronkite News: Los Angeles
		JMC 479: Cronkite News: Washington Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab

Media and Expressive Culture Track

TCL 211: Transborder Chicano/a and Latino/a Poetry (HU & C)

TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU & C)

TCL 328: U.S. Latino Religion and Culture (HU & C)

TCL 331: Mexican American History to 1900 (SB & H & C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU & C & G)

TCL 351: Transborder Chicano/a and Latino/a Art (HU & C)

TCL 352: Chicana/o Film (C)

TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

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TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU)

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TCL 464: Latina/o Literature ((L or HU) & C)

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TCL 471: Latinos In Hollywood (HU & C)

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TCL 484: Internship

---

TCL 485: Chicana and Latina Writers ((L or HU) & C)

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TCL 490: Transborder Queer Performativity (HU & C)

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**Total Hours:** 129

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA




School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LATCLTBA



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Term hours subtotal:	14		



Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Explore and select a <b>career interest area</b></li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
TCL Elective	3	C	
Elective	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		




Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			





Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Completion of the College Second Language requirement is recommended by term 4</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
Transborder Community Development & Health Track Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Term hours subtotal:	16		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 303: Transborder Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Upper Division Spanish course requirement for the major may be fulfilled by AP credit earned.</li> <li>• Explore an <b>internship</b></li> </ul>
TCL 323: Latino Health Issues (SB & C)	4	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) or HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
SPA Upper Division Elective	3	C	
Upper Division Elective OR TCL 484: Internship	3		
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 304: Transborder Research Methods (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Transborder Community Development & Health Track Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
TCL Elective	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 305: Transborder Practicum and Field Research.	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
TCL 321: Transborder Community Development and Health	3	C	
TCL Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 498: Pro-Seminar	3	C	
Transborder Community Development & Health Track Course	3	C	
Complete 3 courses: Upper Division Elective	8		
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Transborder Community Development & Health

TCL 315: Chicana/o and Latina/o Family Structures (SB)

TCL 326: Health of Chicanas and Latinas (SB & C)

TCL 327: Health and Migration (SB)

TCL 342: Social Demographics of Latino Populations (SB & C)

TCL 410: Race, Medicine, and the Body (L)

TCL 422: U.S.-Mexico Border Health

TCL 424: Theory and Practice of Community Development and Health (SB)

TCL 443: Political Ecology of the Border (SB & G)

TCL 447: Gender, Culture, and Development ((L or SB) & G)

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Journalism and Mass Communication, BA

School/College: Walter Cronkite School of Journalism & Mass Comm

Location:  
CSJMCBA

and

Transborder

Chicana/o

and Latina/o

Studies

(Transborder

Community





Development



and Health),

BA

The College of Liberal Arts and Sciences

LATCLTBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 305: Multimedia Journalism	3	C	
STP 226: Elements of Statistics (CS)	3		

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).

◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 3 32 - 48 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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◆ JMC 366: Journalism Ethics and Diversity 3 C

◆ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C) 3 C

PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) 3

Transborder Community Development and Health Track Course 3 C

Second Language: Requirement satisfied through the following: \* Completion of Spanish SPA language course at the intermediate level (202 or equivalent). 4 C

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 4 48 - 65 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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◆ JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L) 3 C

◆ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C) 3 C

JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling 3 C

Natural Science - Quantitative (SQ) 4

Second Language: Requirement satisfied through the following: \* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation.. 4 C

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 17

Term 5 65 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ JMC 473: The Business and Future of Journalism 3 C

★ TCL 303: Transborder Theory (SB) 3 C

JMC 435: Latino and Transnational Issues 3 C

TCL 323: Latino Health Issues (SB & C) 4 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 17

		Minimum	
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Term 6 82 - 100 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ JMC 402: Mass Communication Law	3	C	• Explore an <b>internship</b>
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
JMC 470: Depth Reporting	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SPA Upper Division Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 7 100 - 115 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
JMC 484: Internship	3	Y	
TCL 321: Transborder Community Development and Health	3	C	
Upper Division JMC Advanced Skills Course	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			• Gather <b>professional references</b>
Term hours subtotal:	15		

Term 8 115 - 130 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Professional programs require placement. Please consult your academic advisor. • Apply for <b>full-time career opportunities</b> .
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Professional Program Course	3	C	
Complete 2 courses: Transborder Community Development and Health Track Course	6	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

- Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Students must complete 15 credit hours from the Transborder Community Development and Health track.

Hide Course List(s)/Track Group(s)

Philosophy Course	JMC Advanced Skills Course	Transborder Community Development and Health Track
HON 171: The Human Event (L or HU)	JMC 320: Newscast Producing	
PHI 101: Introduction to Philosophy (HU)	JMC 325: Breaking News Multimedia Reporting	TCL 315: Chicana/o and Latina/o Family Structures (SB)

PHI 103: Principles of Sound Reasoning (L or HU)	JMC 330: Television Reporting	TCL 326: Health of Chicanas and Latinas (SB & C)
PHI 105: Intro to Ethics (HU)	JMC 333: Advanced Bilingual Broadcast Reporting	TCL 327: Health and Migration (SB)
PHI 306: Applied Ethics (HU)	JMC 351: Photojournalism I	TCL 342: Social Demographics of Latino Populations (SB & C)
	JMC 413: Advanced Editing	TCL 410: Race, Medicine, and the Body (L)
	JMC 414: Digital Graphic Design	TCL 422: U.S.-Mexico Border Health
	JMC 421: Advanced Digital Storytelling	TCL 424: Theory and Practice of Community Development and Health (SB)
	JMC 430: Sports Marketing and Campaigns	TCL 443: Political Ecology of the Border (SB & G)
	JMC 434: Advanced Bilingual Reporting	TCL 447: Gender, Culture, and Development ((L or SB) & G)
	JMC 437: Documentary Production	TCL 484: Internship
	JMC 440: Magazine Writing	
	JMC 455: Digital Media Entrepreneurship	
	JMC 460: Advanced Online Media	
	JMC 465: Telling Stories with Data	
	JMC 477: New Media Innovation and Entrepreneurship Lab	
	JMC 478: Cronkite News: Phoenix Bureau	
	JMC 478: Cronkite News: Los Angeles	
	JMC 479: Cronkite News: Washington Bureau	
	JMC 485: Television Magazine	
	JMC 486: Digital Audiences Lab	

Professional Program Courses

JMC 477: New Media Innovation and Entrepreneurship Lab

JMC 478: Cronkite News - Phoenix Bureau

JMC 478: Cronkite News: Los Angeles

JMC 479: Cronkite News: Washington Bureau

JMC 485: Television Magazine

JMC 486: Digital Audiences Lab

**Total Hours:** 130

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LATCLUBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Explore and select a <b>career interest area</b></li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
TCL Elective	3	C	
Elective	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Complete Mathematics (MA) requirement.			

Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Completion of the College Second Language requirement is recommended by term 4.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TCL 303: Transborder Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Upper division Spanish course requirement for the major may be fulfilled by AP credit earned.</li> <li>• Explore an <b>internship</b></li> </ul>
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
SPA Upper Division Elective	3	C	
Upper Division Elective OR TCL 484: Internship	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TCL 304: Transborder Research Methods (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
TCL Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
TCL Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	

US & Mexican Regional Immigration Policy & Economy Track Course	3	C
<hr/>		
Complete 3 courses:	9	
Upper Division Elective		
<hr/>		
Term hours subtotal:	15	

Hide Course List(s)/Track Group(s)

- US & Mexican Regional Immigration Policy & Economy

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- TCL 315: Chicana/o and Latina/o Family Structures (SB)

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- TCL 327: Health and Migration (SB)

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- TCL 331: Mexican American History to 1900 (SB & H & C)

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- TCL 335: Historical Studies in Race, Crime, and the Law

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- TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)

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- TCL 341: Policy Issues in Chicana/o and Latina/o Urban Settings (C)

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- TCL 342: Social Demographics of Latino Populations (SB & C)

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- TCL 377: Arizona, Immigration, Latinos and Politics

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- TCL 394: U.S.-Mexico Borderlands: People Place & Governance

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- TCL 443: Political Ecology of the Border (SB & G)

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- TCL 444: The Ethnography of Mexico and the Borderlands (SB & G)

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**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map





### Journalism and Mass Communication, BA



School/College: [Walter Cronkite School of Journalism & Mass Comm](#)

Location:  
CSJMCBA

and  
Transborder  
Chicana/o  
and  
Latina/o  
Studies (US  
and  
Mexican  
Regional  
Immigration  
Policy and  
Economy),  
BA

[The College of Liberal Arts and Sciences](#)  
LATCLUBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

JMC 305: Multimedia Journalism	3	C
STP 226: Elements of Statistics (CS)	3	
Second Language: Requirement satisfied through the following:		
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16

Term 3 32 - 48 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ JMC 366: Journalism Ethics and Diversity	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
❖ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
U.S. and Mexican Regional Immigration Policy and Economy Track Course	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
❖ Complete First-Year Composition requirement.			
❖ Complete Mathematics (MA) requirement.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 4 48 - 65 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L)	3	C	<ul style="list-style-type: none"> <li>• Complete Spanish language proficiency by end of semester 4 - for the college requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) general studies requirement.</li> <li>• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.</li> </ul>
❖ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following:			
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..	4	C	
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 5 65 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism	3	C	
★ TCL 303: Transborder Theory (SB)	3	C	
JMC 435: Latino and Transnational Issues	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 402: Mass Communication Law	3	C	• Explore an <b>internship</b>
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
★ TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)	3	C	
JMC 470: Depth Reporting	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SPA Upper Division Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		18	

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses. • Gather <b>professional references</b>
JMC 484: Internship	3	Y	
Upper Division JMC Advanced Skills Course	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
U.S. and Mexican Regional Immigration Policy and Economy Track Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Professional programs require placement. Please consult your academic advisor. • Apply for <b>full-time career opportunities</b>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Professional Program Course	3	C	
Complete 2 courses:			
U.S. and Mexican Regional Immigration Policy and Economy Track Course	6	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

- Students must complete 15 credit hours from the U.S. and Mexican Regional Immigration Policy and Economy Track.

Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Hide Course List(s)/Track Group(s)

Philosophy Course	U.S. and Mexican Regional Immigration Policy and Economy Track	JMC Advanced Skills Course
HON 171: The Human Event (L or HU)		JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)	TCL 315: Chicana/o and Latina/o Family Structures (SB)	JMC 325: Breaking News Multimedia Reporting
PHI 103: Principles of Sound Reasoning (L or HU)	TCL 327: Health and Migration (SB)	JMC 330: Television Reporting
PHI 105: Intro to Ethics (HU)	TCL 331: Mexican American History to 1900 (SB & H & C)	JMC 333: Advanced Bilingual Broadcast Reporting
PHI 306: Applied Ethics (HU)	TCL 335: Historical Studies in Race, Crime, and the Law	JMC 351: Photojournalism I
	TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)	JMC 413: Advanced Editing
	TCL 341: Policy Issues in Chicana/o and Latina/o Urban Settings (C)	JMC 414: Digital Graphic Design
	TCL 342: Social Demographics of Latino Populations (SB & C)	JMC 421: Advanced Digital Storytelling
	TCL 377: Arizona, Immigration, Latinos and Politics	JMC 430: Sports Marketing and Campaigns
	TCL 443: Political Ecology of the Border (SB & G)	JMC 434: Advanced Bilingual Reporting
	TCL 444: The Ethnography of Mexico and the Borderlands (SB & G)	JMC 437: Documentary Production
	TCL 484: Internship	JMC 440: Magazine Writing
		JMC 455: Digital Media Entrepreneurship
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 478: Cronkite News: Los Angeles
		JMC 479: Cronkite News: Washington Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab
<b>Professional Program Courses</b>		
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News - Phoenix Bureau
		JMC 478: Cronkite News: Los Angeles
		JMC 479: Cronkite News: Washington Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab

**Total Hours:** 129  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)



**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Urban Planning, BSP




School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)

ARPUPBSP

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Play <a href="#">me3@ASU</a> and select your <b>career interest area</b>.</li> <li>• Set up your <a href="#">Handshake account</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB)	3		
<i>Complete 2 courses:</i> Elective	6		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA) ( MAT 142 recommended)	3	C	<ul style="list-style-type: none"> <li>• Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
GIS OR PUP Elective	3	C	
<i>Complete 2 courses:</i> Elective	6		
Term hours subtotal:	15		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Term 3 31 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	<ul style="list-style-type: none"> <li>• For the CLAS Science and Society requirement, go <a href="#">here</a></li> </ul>
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	13		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PUP 301: Introduction to Urban Planning (L)	3	C	<ul style="list-style-type: none"> <li>• Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
GIS 270: Statistics for Geography and Planning	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

Complete 2 courses: 6  
 Elective

Term hours subtotal: 16

- Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available [here](#).

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PUP Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• For the CLAS Science and Society requirement, go <a href="#">here</a></li> <li>• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
Upper Division CLAS Science and Society Elective	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PUP Upper Division Elective OR PUP 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
Related Area Course	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PUP Upper Division Elective OR PUP 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Students interested in entering the job market after graduation should start to research job opportunities. Information on careers in related fields is available at the School of Geographical Sciences &amp; Urban Planning <a href="#">Job List</a>, <a href="#">ACSP Career Page</a>, and <a href="#">APA Career Center</a>.</li> </ul>
GIS OR PUP Upper Division Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PUP 424: Planning Methods	4	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	5		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be

upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Students may consult with an academic advisor for other skills course options.

#### Hide Course List(s)/Track Group(s)

##### Related Area Course Electives

ALA OR ASB OR GCU OR GIS OR GPH OR  
PUP OR SGS OR SOC OR SOS Elective

#### Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map


### Women and Gender Studies, BA


School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)

LAWSTBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST 100: Women, Gender, and Society (SB & C)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Term hours subtotal:	16		


Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Women and Gender Studies Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Selection of general studies courses will be determined by elective courses taken to fill the major</li> </ul>
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST Elective	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>- call the SST advising office at 480-965-7682 to schedule an appointment with our internship coordinator</li> </ul>
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 WST 377: History of American Feminist Thought (H & C) OR WST 378: Global Feminist Theory (L & G)	3	C	
 WST 380: Race, Gender, and Class (SB & C)	3	C	
Upper Division Women and Gender Studies Related Area Course	3	C	
WST Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 WST Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b></li> <li>• Use Handshake to research employment opportunities</li> </ul>
Upper Division Women and Gender Studies Related Area Course	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Upper Division Elective	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 WST 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
Upper Division Women and Gender Studies Related Area Course	3	C	
Complete 2 courses: WST Upper Division Elective	6	C	
Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 WST 498: Pro-Seminar (L)	3	C	
Upper Division Women and Gender Studies Related Area Course	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	5		
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Women and Gender Studies Related Area  
Courses

AFR 375: Race, Gender and Sport (SB & C)

AFR 460: Race, Gender, and Media (C) or  
MCO 460: Race, Gender, and Media (C)

APA 330: Asian Pacific American Genders  
and Sexualities ((L or SB) & C)

ARB 341: Quran Text and Women (HU & H)

ARS 485: Women in the Visual Arts (L)

ASB 210: Human Sexuality: Anthropological  
Perspectives (SB & G)

ASB 211: Women in Other Cultures ((HU or  
SB) & G)

COM 316: Gender and Communication (SB &  
C)

COM 416: Gender and Race in the Media

COM 446: Performance of Literature Written  
by Women ((L or HU) & C)

CRJ 305: Gender, Crime, and Criminal Justice  
(C)

ENG 364: Women and Literature (HU)

ENG 454: Gender and Literature (L or HU)

ENG 455: Contemporary Women Writers

ENG 460: Ethnic Women Writers

ENG 461: Studies in Women and Literature  
(HU)

ENG 462: Africana Literature (HU & G)

FAS 331: Marriage and Family Relationships  
(SB)

FAS 332: Human Sexuality (SB)

FAS 436: Sexuality in Mid-Life and Beyond

HST 327: Women in U.S. History, 1600 to  
1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980  
((HU or SB) & C & H)

HST 329: Women in 20th-Century U.S. West  
(H & C)

HST 465: Women in Europe, 1750 to Present  
(HU or SB) & H

IAP 310: Women in Art

JUS 329: Domestic Violence (SB)

JUS 420: Women, Work, and Justice (L or  
SB) & C

JUS 422: Women, Law, and Social Control

JUS 460: Feminism and Justice (C)

KIN 441: Physiology of Women in Sport (L)

LSC 363: Genes, Race, Gender, and Society  
(L)

MUS 410: History of Women in Music (HU &  
C & H)

POS 435: Women and Politics (SB & C)

POS 436: Gender, Sexuality, Nation-States

POS 437: Women, Power, and Politics (G)

PSY 369: Biology of Human Sexuality

PSY 385: Psychology of Gender (SB)

PUP 445: Women and Environments (C)

REL 369: Women in Islam

REL 390: Women, Gender and Religion (HU  
& G)

REL 393: Religion and Sexuality (HU)

SOC 264: Gender and Society (SB & C)

SOC 315: Courtship and Marriage (SB)

SOC 424: Women and Health (SB)

WST Upper Division Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)



**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Women and Gender Studies, BA

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online](#)

LAWSTBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST 100: Women, Gender, and Society (SB & C)	3	C	<ul style="list-style-type: none"> <li>• SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• <b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• Selection of general studies courses will be determined by elective courses taken to fill the major</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 27 - 34 Credit Hours	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ)

4

Elective

3

Term hours subtotal: 7

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Women and Gender Studies Related Area Course

3


C


Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

 Complete First-Year Composition requirement.

 Complete Mathematics (MA) requirement.

Term hours subtotal: 7

- See list below for Related Area course options.

Term 4 - A 41 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 WST Elective

3

C

Literacy and Critical Inquiry (L)

3

Term hours subtotal: 6

Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

Elective

2

Term hours subtotal: 6

- Explore an **internship**.

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 WST 377: History of American Feminist Thought (H & C) OR WST 378: Global Feminist Theory (L & G)

3

C

Social-Behavioral Sciences (SB) AND Global Awareness (G)

3

Term hours subtotal: 6

Term 5 - B 59 - 65 Credit Hours	Hours	Minimum Grade	Notes
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Computer/Statistics/Quantitative Applications (CS)

3

Elective

3

Term hours subtotal: 6

Term 6 - A 65 - 71 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 WST 380: Race, Gender, and Class (SB & C)

3

C

Humanities, Arts and Design (HU)

3

Term hours subtotal: 6

Term 6 - B 71 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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WST Upper Division Elective

3

C

Upper Division Women and Gender Studies Related Area Course

3

C

- Use Handshake to research **employment opportunities**

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 77 - 84 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Upper Division Elective	3		
Term hours subtotal:	7		

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Elective	3		
★ WST Upper Division Elective	3	C	• Gather professional references
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WST 4** Elective	3	C	
Upper Division Women and Gender Studies Related Area Course	3	C	
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
WST Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Women and Gender Studies Related Area Course	6	C	• Apply for full-time career opportunities
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WST 498: Pro-Seminar (L)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WST Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

Women and Gender Studies Related Area Course

AFR 375: Race, Gender and Sport (SB & C)

AFR 460: Race, Gender, and Media (C) or  
MCO 460: Race, Gender, and Media (C)

APA 330: Asian Pacific American Genders  
and Sexualities ((L or SB) & C)

ARS 485: Women in the Visual Arts (L)

COM 316: Gender and Communication (SB &  
C)

CRJ 305: Gender, Crime, and Criminal Justice  
(C)

ENG 460: Ethnic Women Writers

FAS 331: Marriage and Family Relationships  
(SB)

FAS 332: Human Sexuality (SB)

HST 327: Women in U.S. History, 1600 to  
1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980  
((HU or SB) & C & H)

JUS 329: Domestic Violence (SB)

POS 435: Women and Politics (SB & C)

PSY 385: Psychology of Gender (SB)

REL 390: Women, Gender and Religion (HU  
& G)

SOC 264: Gender and Society (SB & C)

SOC 315: Courtship and Marriage (SB)

SOC 424: Women and Health (SB)

WST Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Health Entrepreneurship and Innovation), BAS

School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus

NUHCIBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
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AAS Transfer Degree Block

60

Term hours subtotal:

60

- Students may meet lower division general studies requirements with the AAS degree.
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCI 311: Health Innovation: Foundational Concepts

3

C

★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing

3

C

★ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)

3

C

Complete 2 courses:

Any needed lower division General Studies requirement OR Elective

6

Term hours subtotal:

15

- Update your **resume**.
- Join a **professional organization**.
- Activate your **Handshake** account and build your profile.
- Build your professional connections - join the **ASU Mentor Network**.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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BIS 345: Organizational Ethics (HU) OR HCD 320: Applied Medical/Health Care Ethics (HU) OR LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 320:

★ Bioethics (HU) OR BIO 312: Bioethics (HU) OR IAS 340: Bioethics (HU) OR PHI 409: Eco-Community Ethics (HU) OR IAS 409: Eco-Community Ethics (HU) OR PHI 360: Business and Professional Ethics (HU)

3

C

★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care

3

C

★ STP 226: Elements of Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS) OR STP 420: Introductory Applied Statistics (CS) OR SOC 390: Social Statistics I (CS)

3

C

Complete 2 courses:

Upper Division Elective

6

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal:

15

- Students with a transfer statistics course may take an elective. Please check with your advisor.
- Students with transfer courses meeting ASU's Humanities, Arts and Design (HU) requirements may take electives. Please check with your advisor.
- Develop your **professional online presence**.
- Build your **skills**.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BIS 353: Interdisciplinary Leadership (SB) OR COM 430: Leadership in Group Communication OR OGL 355: Leading Organizational Innovation and Change OR PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB)	3	C
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C
★ HCR 406: Health Literacy for Health Care Professionals	3	C
Any needed lower division General Studies requirement OR Elective	3	
Term hours subtotal:	15	

- Explore graduate programs including the Master of Healthcare Innovation (MHI) degree at ASU.
- Gather academic and professional references.
- Complete an in person or virtual practice interview.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses:			
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	6	C	<ul style="list-style-type: none"> <li>• Connect with us as a member of our alumni community.</li> <li>• Update your resume.</li> <li>• Use Handshake to research employment opportunities.</li> </ul>
BIS 343: Social Processes in Organizations (SB) OR OGL 350: Diversity and Organizations (L & C)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map

### Applied Science (Health Entrepreneurship and Innovation), BAS

School/College: [Edson College of Nursing and Health Innovation](#)

Location: [Online](#)

NUHCIBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
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AAS Transfer Degree Block

60

Term hours subtotal:

60

- Students may meet lower division general studies requirements with the AAS degree.
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCI 311: Health Innovation: Foundational Concepts

3

C

★ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)

3

C

Term hours subtotal:

6

- Update your **resume**.
- Join a **professional organization**.

Term 5 - B 66 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BIS 345: Organizational Ethics (HU) OR HCD 320: Applied Medical/Health Care Ethics (HU) OR LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 320: Bioethics (HU) OR PHI 360: Business and Professional Ethics (HU)

3

C

★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing

3

C

★ STP 226: Elements of Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS) OR STP 420: Introductory Applied Statistics (CS) OR SOC 390: Social Statistics I (CS)

3

C

Term hours subtotal:

9

- Students with a transfer statistics course may take an elective. Please check with your advisor.
- Students with transfer courses meeting general studies may take electives. Please check with your advisor for details.
- Activate your **Handshake** account and build your profile.
- Build your professional connections - join the **ASU Mentor Network**.

Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BIS 353: Interdisciplinary Leadership (SB) OR COM 430: Leadership in Group Communication OR OGL 355: Leading Organizational Innovation and Change OR PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB)

3

C

★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care

3

C

Term hours subtotal:

6

- Develop your **professional online presence**.

Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BIS 343: Social Processes in Organizations (SB) OR OGL 350: Diversity and Organizations (L & C)	3	C	• Build your <b>skills</b> .
★ HCR 406: Health Literacy for Health Care Professionals	3	C	
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	<ul style="list-style-type: none"> <li>• Explore <b>graduate programs</b> including the <b>Master of Healthcare Innovation (MHI)</b> degree at ASU.</li> <li>• Gather academic and <b>professional references</b>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Complete a virtual <b>practice interview</b>.</li> </ul>
Upper Division Elective	3	C	
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	9		

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Update your <b>resume</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Connect with us as a member of our <b>alumni community</b>.</li> </ul>
Complete 2 courses:	6		
Any needed lower division General Studies requirement OR <b>Elective</b>	6		
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:  
 • Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition







General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map Community Health, BS






School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus

NUCHLTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> , play <a href="mailto:me3@asu.edu">me3@ASU</a> and review <b>academic programs</b>.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore <b>study abroad</b> options.</li> <li>• Search for <b>on-campus employment</b>.</li> </ul>
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> <li>• Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> <li>• Apply for a <b>study abroad</b> experience.</li> <li>• Explore <b>engagement opportunities</b> in the College of Nursing and Health Innovation.</li> <li>• Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB & G & H)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
Complete 2 courses:			
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	6	C	
 MIC 205: Microbiology (SG)	3	C	
 MIC 206: Microbiology Laboratory (SG)	1	C	

SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB & G & H)


3

C

Complete Mathematics (MA) requirement.

Term hours subtotal: 17

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)

3

C

 HCR 231: Fundamentals of Community Health

3

C

 HCR 240: Human Pathophysiology

4

C

NTR 241: Human Nutrition


3

C

Term hours subtotal: 13

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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Complete 2 courses:

 HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health OR HCR 336: Environmental Community Health OR HSC 340: Changing Health Behaviors

6

C

 TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)

3

C

SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB & G & H)

3

C

Elective

3

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 HCR 301: Research Methods for the Health Care Professional

3


C

 HCR 303: Assessing Needs, Assets and Capacity for Health Education

3

C

Complete 2 courses:

 HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health OR HCR 336: Environmental Community Health OR HSC 340: Changing Health Behaviors


6

C

SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB & G & H)

3

C

 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 HCI 311: Health Innovation: Foundational Concepts

3

C

 HCR 400: Evidence-Based Practice for the Health Care Professional

3

C

 HCR 406: Health Literacy for Health Care Professionals

3

C

- Explore an **internship**.
- Schedule an appointment with your **advisor** to review your academic progress.

- Develop your **professional online presence**.

- Use **Handshake** to research employment opportunities.
- Complete an **in person or virtual practice interview**.

- Explore **graduate programs** including ASU's **Master of Healthcare Innovation and MS Regulatory Science**.
- Gather **professional references**.
- Update your **resume**.

★ HCR 435: Leaders in Community Health	3	C
Elective	3	
Term hours subtotal:	15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
★ HCR 430: Foundation to Health Care Systems	3	C	
★ HCR 439: Community Health Seminar	3	C	
★ Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition





General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Community Health, BS




School/College: [Edson College of Nursing and Health Innovation](#)




Location: [Online](#)

NUCHLTBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all freshman students</li> <li>• Become familiar with the student focused <b>services and perks</b> available to ASU Online students.</li> <li>• Review <b>library</b> resources.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR	3	C	
 ENG 105: Advanced First-Year Composition OR			
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Select your <b>Career Interest Communities</b>, play me3@ASU and review <b>academic programs</b>.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore <b>study abroad</b> options.</li> <li>• View ASU Online first-time freshmen registration information <b>here</b>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
Term hours subtotal:	7		

Term 2 - A 14 - 24 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> <li>• Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> </ul>
 ENG 105: Advanced First-Year Composition OR			
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB & G & H)	3	C	
Term hours subtotal:	10		

Term 2 - B 24 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Apply for a <b>study abroad</b> experience.</li> <li>• Join a <b>professional organization</b>.</li> </ul>
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	• Develop your <b>skills</b> .
MIC 205: Microbiology (SG)	3	C	
MIC 206: Microbiology Laboratory (SG)	1	C	
Term hours subtotal:	7		
Term 3 - B 37 - 47 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
BIO 202: Human Anatomy and Physiology II (SG)	4	C	• Explore <b>Career Webinars</b> .
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB & G & H)	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	10		
Term 4 - A 47 - 53 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	• Explore <b>Career Advising</b> .
HCR 231: Fundamentals of Community Health	3	C	
Term hours subtotal:	6		
Term 4 - B 53 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
HCR 240: Human Pathophysiology	4	C	• Explore an <b>internship</b> . • Schedule an appointment with your <b>advisor</b> to review your academic progress.
NTR 241: Human Nutrition	3	C	
Term hours subtotal:	7		
Term 5 - A 60 - 66 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	• Explore the <b>Career Guide</b> .
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB & G & H)	3	C	
Term hours subtotal:	6		
Term 5 - B 66 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses:			• Develop your <b>professional online presence</b> .
HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health OR HCR 336: Environmental Community Health OR HSC 340: Changing Health Behaviors	6	C	
Elective	3		
Term hours subtotal:	9		



Term 6 - A 75 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 301: Research Methods for the Health Care Professional	3	C	<ul style="list-style-type: none"> <li>Use <a href="#">Handshake</a> to research employment opportunities.</li> </ul>
★ HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB & G & H)	3	C	
Term hours subtotal:	9		

Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses:			<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview.</li> </ul>
★ HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health OR HCR 336: Environmental Community Health OR HSC 340: Changing Health Behaviors	6	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	<ul style="list-style-type: none"> <li>Explore <a href="#">graduate programs</a> including ASU's <a href="#">Master of Healthcare Innovation</a> and <a href="#">MS Regulatory Science</a>.</li> </ul>
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
★ HCR 435: Leaders in Community Health	3	C	
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 406: Health Literacy for Health Care Professionals	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> <li>Update your <a href="#">resume</a>.</li> </ul>
★ HCR 430: Foundation to Health Care Systems	3	C	
Term hours subtotal:	6		

Term 8 - A 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>Connect with us as a member of our <a href="#">alumni community</a>.</li> </ul>
★ HCR 439: Community Health Seminar	3	C	
Elective	3		
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map



### Health Care Compliance and Regulations, BS





School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus



NUHCCRBS





Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• HCR 260 is a fall semester course.</li> <li>• Select your <b>Career Interest Communities</b>, play <a href="mailto:me3@asu.edu">me3@ASU</a> and review <b>academic programs</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore <b>study abroad</b> options.</li> <li>• Search for <b>on campus employment</b>.</li> </ul>
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HCR 260: Health Care Industry and Regulation ( SOC 101 recommended) SOC course (SB) OR ( PSY 101 recommended) PSY course (SB) OR EXW 100: Introduction to Health and Wellness (SB) OR INT 131: Design and Human Behavior (SB)	3	C	
Mathematics (MA) ( MAT 117 recommended)	3	C	
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 261: Health Care Compliance	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> <li>• Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> <li>• Apply for a <b>study abroad</b> experience.</li> <li>• Explore student <b>leadership opportunities</b> in the College of Nursing and Health Innovation.</li> <li>• Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) ( ART 110 OR CEE 181 OR CON 101 OR FMP 201 recommended)	3		
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		



Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 264: Regulatory Essentials of Compliance Program Design I	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> <li>• HCR 262 will only be offered in the fall semester. HCR 263 will be offered in the spring semester.</li> </ul>
ACC 231: Uses of Accounting Information I	3	C	
BMI 201: Introduction to Clinical Informatics	3	C	
HCR 210: Ethics for the Health Care Professional (HU)	3	C	
HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance	3	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 265: Regulatory Essentials of Compliance Program Design II	3	C	<ul style="list-style-type: none"> <li>• Please note that LES 305 in term 6 requires a 2.50 cumulative GPA for registration.</li> <li>• HCR 262 will only be offered in the fall semester. HCR 263 will be offered in the spring semester.</li> <li>• Explore <b>internships</b>.</li> </ul>
HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance	3	C	
STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	13		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 350: Introduction to Clinical Research	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> <li>• HCR 360 is offered in spring semesters only. HCR 361 is offered in fall semesters only.</li> </ul>
 HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance	3	C	
 HCR 362: Monitoring and Auditing for Health Care Compliance	3	C	
COM 259: Communication in Business and the Professions OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB)	3	C	
OGL 320: Foundations of Project Management	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• HCR 360 is offered in spring semesters only. HCR 361 is offered in fall semesters only.</li> </ul>
 HCR 460: Investigations and Disclosures in Health Care Compliance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 461: Corrective and Preventive Action Plans	3	C	<ul style="list-style-type: none"> <li>• Explore <b>graduate programs</b> including the <b>MS Regulatory Science</b> program.</li> <li>• Gather <b>professional references</b>.</li> <li>• Update your <b>resume</b>.</li> </ul>
OMT 343: Occupational Safety and Ergonomics	3	C	
PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Public Leadership OR TMC 330: Leading the Enterprise	3	C	
TWC 347: Written Communication for Managers (L) OR ENG 301: Writing for the Professions (L)	3	C	
Global Awareness (G)	3		
Term hours subtotal:	15		

		Minimum	
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Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ HCR 463: Capstone Project Health Care Compliance	4	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
HCR 430: Foundation to Health Care Systems or HCD 330: Health Care Systems in the U.S.	3	C	
TWC 446: Technical and Scientific Reports (L) OR TWC 362: Writing in Health Professions (L)	3	C	
Complete 2 courses:	5		
Elective			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map


### Health Care Compliance and Regulations, BS



School/College: [Edson College of Nursing and Health Innovation](#)

Location: [Online](#)



NUHCCRBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college specific equivalent First-Year Seminar required of all freshman students</li> <li>• Become familiar with the student focused <b>services and perks</b> available to ASU Online students.</li> <li>• Review <b>library resources</b>.</li> </ul>
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
HCR 260: Health Care Industry and Regulation	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Select your <b>Career Interest Communities</b>, play <b>me3@ ASU</b>, and review <b>academic programs</b>.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore <b>study abroad</b> options.</li> </ul>
( SOC 101 recommended) SOC course (SB) OR ( PSY 101 recommended) PSY course (SB) OR EXW 100: Introduction to Health and Wellness (SB)	3	C	
Mathematics (MA) ( MAT 117 recommended)	3	C	
Term hours subtotal:	9		
Term 2 - A 16 - 25 Credit Hours	Hours	Minimum Grade	Notes
CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>• Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) ( ART 110 OR FMP 201 recommended)	3		
Term hours subtotal:	9		
Term 2 - B 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 261: Health Care Compliance	3	C	<ul style="list-style-type: none"> <li>• Apply for a <b>study abroad</b> experience.</li> </ul>
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

 HCR 264: Regulatory Essentials of Compliance Program Design I	3	C	• Develop your skills.
ACC 231: Uses of Accounting Information I	3	C	
Term hours subtotal:	6		

Term 3 - B 38 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BMI 201: Introduction to Clinical Informatics	3	C	
HCR 210: Ethics for the Health Care Professional (HU)	3	C	
HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance	3	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 47 - 54 Credit Hours	Hours	Minimum Grade	Notes
STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	• Explore an internship.
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 54 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 265: Regulatory Essentials of Compliance Program Design II	3	C	• Schedule an appointment with your advisor to review your academic progress.
HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance	3	C	
Term hours subtotal:	6		

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance	3	C	
 HCR 362: Monitoring and Auditing for Health Care Compliance	3	C	
OGL 320: Foundations of Project Management	3	C	
Term hours subtotal:	9		

Term 5 - B 69 - 75 Credit Hours	Hours	Minimum Grade	Notes
COM 259: Communication in Business and the Professions OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB)	3	C	
HCR 350: Introduction to Clinical Research	3	C	
Term hours subtotal:	6		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	9		

		Minimum	
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Term 6 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
HCR 460: Investigations and Disclosures in Health Care Compliance	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 90 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCR 461: Corrective and Preventive Action Plans	3	C	
TWC 347: Written Communication for Managers (L) OR ENG 301: Writing for the Professions (L)	3	C	
Global Awareness (G)	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
OMT 343: Occupational Safety and Ergonomics	3	C	• Apply for full-time career opportunities
PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Public Leadership OR TMC 330: Leading the Enterprise	3	C	
Term hours subtotal:	6		

Term 8 - A 105 - 112 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCR 463: Capstone Project Health Care Compliance	4	C	
TWC 446: Technical and Scientific Reports (L) OR TWC 362: Writing in Health Professions (L)	3	C	
Term hours subtotal:	7		

Term 8 - B 112 - 120 Credit Hours	Hours	Minimum Grade	Notes
HCR 430: Foundation to Health Care Systems OR HCD 330: Health Care Systems in the U.S.	3	C	
Complete 2 courses: Elective	5		
Term hours subtotal:	8		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)



- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map







### Health Care Coordination, BS







School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus

NUHCCOBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> , play <a href="mailto:me3@asu.edu">me3@ASU</a> and review <b>academic programs</b>.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore <b>study abroad</b> options.</li> <li>• Search for <b>on-campus employment</b>.</li> </ul>
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> <li>• Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> <li>• Apply for a <b>study abroad</b> experience.</li> <li>• Explore <b>engagement opportunities</b> in the College of Nursing and Health Innovation.</li> <li>• Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
 MIC 205: Microbiology (SG)	3	C	
 MIC 206: Microbiology Laboratory (SG)	1	C	
 SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB)	3	C	
Complete Mathematics (MA) requirement.			

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ HCR 221: Foundational Concepts for Health Care Coordination	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Schedule an appointment with your <b>advisor</b> to review your academic progress.</li> </ul>
⚠ HCR 240: Human Pathophysiology	4	C	
HCR 230: Culture and Health (C & G) OR HCR 231: Fundamentals of Community Health	3	C	
NTR 241: Human Nutrition	3	C	
Elective	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCD 332: Health Care Legislation	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ HCR 321: Advanced Concepts for Health Care Coordination	3	C	
★ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	
HCR 230: Culture and Health (C & G) OR HCR 231: Fundamentals of Community Health	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCR 301: Research Methods for the Health Care Professional	3	C	<ul style="list-style-type: none"> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ HCR 302: Social Determinants of Health	3	C	
★ HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB)	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	<ul style="list-style-type: none"> <li>• Explore <b>graduate programs</b> including ASU's Master of Healthcare Innovation and the MS Regulatory Science.</li> <li>• Gather <b>professional references</b>.</li> <li>• Update your <b>resume</b>.</li> </ul>
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
★ HCR 406: Health Literacy for Health Care Professionals	3	C	
★ HCR 422: Policy and Financial Principles in Health Care Coordination	3	C	
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB)	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCR 420: Professional Role Development: Health Care Coordination	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ HCR 426: Health Care Coordination Capstone	3	C	

Humanities, Arts and Design (HU)	3
Complete 2 courses:	
Upper Division Elective	6
Term hours subtotal:	15

- Connect with us as a member of our [alumni community](#).

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Health Care Coordination, BS





School/College: [Edson College of Nursing and Health Innovation](#)




Location: [Online](#)



















NUHCCOBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Become familiar with the student focused <a href="#">services and perks</a> available to ASU Online students.</li> <li>• Review <a href="#">library</a> resources.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Select your <a href="#">Career Interest Communities</a>, play <a href="#">me3@ASU</a> and review <a href="#">academic programs</a>.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Explore <a href="#">study abroad</a> options.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
Term hours subtotal:	7		

Term 2 - A 14 - 23 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> <li>• Secure a <a href="#">part time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Term hours subtotal:	9		

Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Apply for a <a href="#">study abroad</a> experience.</li> <li>• Join a <a href="#">professional organization</a>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	• Develop your <b>skills</b> .
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB)	3	C	
Term hours subtotal:	7		
Term 3 - B 37 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	• Explore <b>Career Webinars</b> .
 MIC 205: Microbiology (SG)	3	C	
 MIC 206: Microbiology Laboratory (SG)	1	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		
Term 4 - A 44 - 53 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 221: Foundational Concepts for Health Care Coordination	3	C	• Explore <b>Career Advising</b> .
HCR 230: Culture and Health (C & G) OR HCR 231: Fundamentals of Community Health	3	C	
NTR 241: Human Nutrition	3	C	
Term hours subtotal:	9		
Term 4 - B 53 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 240: Human Pathophysiology	4	C	• Explore an <b>internship</b> . • Schedule an appointment with your <b>advisor</b> to review your academic progress
Elective	3		
Term hours subtotal:	7		
Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	• Explore the <b>Career Guide</b> .
HCR 230: Culture and Health (C & G) OR HCR 231: Fundamentals of Community Health	3	C	
Elective	3		
Term hours subtotal:	9		
Term 5 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 321: Advanced Concepts for Health Care Coordination	3	C	• Develop your <b>professional online presence</b> .
 HCD 332: Health Care Legislation	3	C	
Term hours subtotal:	6		
Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 301: Research Methods for the Health Care Professional	3	C	• Use <b>Handshake</b> to research employment opportunities.
 HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
Upper Division Elective	3		

Term hours subtotal: 9

Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 302: Social Determinants of Health	3	C	• Complete an in person or virtual practice interview.
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	• Explore graduate programs including ASU's Master of Healthcare Innovation and MS Regulatory Science.
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 406: Health Literacy for Health Care Professionals	3	C	• Gather professional references. • Update your resume.
★ HCR 422: Policy and Financial Principles in Health Care Coordination	3	C	
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB)	3	C	
Term hours subtotal:	9		

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 420: Professional Role Development: Health Care Coordination	3	C	• Apply for full-time career opportunities.
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 426: Health Care Coordination Capstone	3	C	• Connect with us as a member of our alumni community.
Upper Division Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map






### Health Entrepreneurship and Innovation, BS




School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus

NUHCIBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b> , play <b>me3@ASU</b> and review <b>academic programs</b>.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore <b>study abroad</b> options.</li> <li>• Search for <b>on-campus employment</b>.</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) OR MAT course (MA)	3	C	
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> <li>• Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> <li>• Apply for a <b>study abroad</b> experience.</li> <li>• Explore <b>engagement opportunities</b> in the College of Nursing and Health Innovation.</li> <li>• Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
 HCI 150: Introduction to Health Innovation	3	C	
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
Health Innovation Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
⚠ COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	6	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Schedule an appointment with your <b>advisor</b> to review your academic progress.</li> </ul>
⚠ HCI 250: Health Entrepreneurship and Value Creation	3	C	
Health Innovation Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing	3	C	
★ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	
HCR 210: Ethics for the Health Care Professional (HU) OR HCD 320: Applied Medical/Health Care Ethics (HU) OR BIS 345: Organizational Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 320: Bioethics (HU) or BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU) OR PHI 409: Eco-Community Ethics (HU) or IAS 409: Eco-Community Ethics (HU)	3	C	
Health Innovation Elective	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• To register for COM 312 in term 7, a minimum cumulative 2.00 GPA is required.</li> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ HCR 301: Research Methods for the Health Care Professional	3	C	
★ HCR 406: Health Literacy for Health Care Professionals	3	C	
Health Innovation Elective	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	6	C	<ul style="list-style-type: none"> <li>• Explore <b>graduate programs</b> including ASU's Master of Healthcare Innovation.</li> <li>• Gather <b>professional references</b>.</li> <li>• Update your <b>resume</b>.</li> </ul>
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
COM 312: Communication, Conflict, and Negotiation	3	C	
Health Innovation Elective	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by ★</b>	Hours	Minimum Grade	Notes
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
HCI 484: Internship OR Upper Division Elective	3		
Health Innovation Elective	3	C	
<i>Complete 2 courses:</i> Upper Division Elective	6		
Term hours subtotal:	15		

- Students should consult with their academic advisor to identify appropriate courses for the health innovation elective. Students are encouraged to select courses in a thematic area and may pursue a minor to fulfill the health innovation elective requirement.

Hide Course List(s)/Track Group(s)

Health Innovation Elective
HCI OR HCR OR OGL OR TEL OR ACC OR BUA OR ECN OR ENT OR LES OR MGT OR MKT OR NTR OR OMT OR SCM OR FIN OR SOS OR TEM Elective
ASB 100: Introduction to Global Health (SB & G)
ASB 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H)
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)
ASB 355: Traditional Medicine and Healing (HU or SB)
ASB 462: Medical Anthropology: Culture and Health (SB & C)
ASM 414: Urban and Environmental Health (SB)
BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H)
CHS 100: Designing Your Well-Being (SB)
COM 451: Communication and Work Relationships
EXW 100: Introduction to Health and Wellness (SB)
PAF 311: Leadership and Change (SB)
PAF 410: Building Leadership Skills (SB)

PHI 407: Environmental Philosophy and Policy (L or HU) or IAS 407: Environmental Philosophy and Policy (L or HU)

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SOC 427: Sociology of Health and Illness (SB)

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SOS 100: Introduction to Sustainability (G)

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SOS 110: Sustainable World (SB)

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TCL 321: Transborder Community Development and Health

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USL 210: Service Learning: Intro to Diverse Community Issues (L & C)

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WST 100: Women, Gender, and Society (SB & C)

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WST 333: Critical Perspectives on Sexuality (SB & C)

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WST 360: Women as Healers (SB & G)

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WST 444: Gender, Health, and Bodies (SB)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map



### Health Entrepreneurship and Innovation, BS





School/College: [Edson College of Nursing and Health Innovation](#)



Location: [Online](#)

NUHCIBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college specific equivalent First-Year Seminar required of all freshman students</li> <li>• Become familiar with the student focused <a href="#">services and perks</a> available to ASU Online students.</li> <li>• Review <a href="#">library</a> resources.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) OR MAT course (MA)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Select your <a href="#">Career Interest Communities</a> , complete <a href="#">me3@ ASU</a>, and review <a href="#">academic programs</a>.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Explore <a href="#">study abroad</a> options.</li> </ul>
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		
Term hours subtotal:	7		

Term 2 - A 14 - 23 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> <li>• Secure a <a href="#">part time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
 HCI 150: Introduction to Health Innovation	3	C	
 STP 226: Elements of Statistics (CS) OR PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Term hours subtotal:	9		

Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	<ul style="list-style-type: none"> <li>• Apply for a <a href="#">study abroad</a> experience.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

		Minimum	
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Term 3 - A 30 - 36 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	• Develop your <b>skills</b> .
HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
Term hours subtotal:	6		

Term 3 - B 36 - 45 Credit Hours	Hours	Minimum Grade	Notes
Health Innovation Elective	3	C	• Explore <b>Career Webinars</b> .
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 45 - 51 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	• Explore <b>Career Advising</b> .
Health Innovation Elective	3	C	
Term hours subtotal:	6		

Term 4 - B 51 - 60 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	• Explore an <b>internship</b> . • Schedule an appointment with your <b>advisor</b> to review your academic progress.
HCI 250: Health Entrepreneurship and Value Creation	3	C	
Elective	3		
Term hours subtotal:	9		

Term 5 - A 60 - 66 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
HCI 311: Health Innovation: Foundational Concepts	3	C	• Explore the <b>Career Guide</b> .
TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	
Term hours subtotal:	6		

Term 5 - B 66 - 75 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	• Develop your <b>professional online presence</b> .
HCR 210: Ethics for the Health Care Professional (HU) OR HCD 320: Applied Medical/Health Care Ethics (HU) OR BIS 345: Organizational Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 320: Bioethics (HU)	3	C	
Health Innovation Elective	3	C	
Term hours subtotal:	9		

Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
★ HCR 301: Research Methods for the Health Care Professional	3	C	
Term hours subtotal:	6		

Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 406: Health Literacy for Health Care Professionals	3	C	<ul style="list-style-type: none"> <li>To register for COM 312 in term 7, a minimum cumulative 2.00 GPA is required.</li> <li>Complete a virtual <a href="#">practice interview</a>.</li> </ul>
Health Innovation Elective	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>Explore <a href="#">graduate programs</a> including ASU's Master of Healthcare Innovation.</li> <li>Update your <a href="#">resume</a>.</li> </ul>
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> </ul>
COM 312: Communication, Conflict, and Negotiation	3	C	
Health Innovation Elective	3	C	
Term hours subtotal:	9		

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
HCI 484: Internship OR Upper Division Elective	3		
Term hours subtotal:	6		

		Minimum	
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Term 8 - B 111 - 120 Credit Hours	Hours	Grade	Notes
Health Innovation Elective	3	C	• Connect with us as a member of our alumni community.
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	9		

- Students should consult with their academic advisor to identify appropriate courses for the health innovation elective. Students are encouraged to select courses in a thematic area and may pursue a minor to fulfill the health innovation elective requirement.

#### Hide Course List(s)/Track Group(s)

Health Innovation Elective
HCI OR HCR OR OGL OR TEL OR ACC OR BUA OR ECN OR ENT OR FIN OR LES OR MGT OR MKT OR NTR OR OMT OR SCM OR SOS OR TEM Elective
ASB 100: Introduction to Global Health (SB & G)
ASB 301: Global History of Health (SB & G & H)
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)
ASB 462: Medical Anthropology: Culture and Health (SB & C)
ASM 414: Urban and Environmental Health (SB)
CHS 100: Designing Your Well-Being (SB)
PAF 311: Leadership and Change (SB)
PAF 410: Building Leadership Skills (SB)
SOS 100: Introduction to Sustainability (G)
SOS 110: Sustainable World (SB)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:



- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Integrative Health, BS

School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus

NUIHLTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>Career Interest Communities</b>, play <b>me3@ASU</b> and review academic programs.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore <b>study abroad</b> options.</li> <li>• Search for on-campus employment.</li> <li>• Prehealth students: consult with an advisor regarding curriculum and course substitutions.</li> <li>• Nursing or General Health Interest Track: MAT 142, BIO 201, BIO 202, CHM 101</li> <li>• Health Professional School Track: MAT 251, BIO 181, BIO 182, CHM 113</li> </ul>
 CHM 101: Introductory Chemistry (SQ) or BIO 201: Human Anatomy and Physiology I (SG) or BIO 202: Human Anatomy and Physiology II (SG) OR BIO 181: General Biology I (SQ) or BIO 182: General Biology II (SG) or CHM 113: General Chemistry I (SQ)	4	C	
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) or BIO 201: Human Anatomy and Physiology I (SG) or BIO 202: Human Anatomy and Physiology II (SG) OR BIO 181: General Biology I (SQ) or BIO 182: General Biology II (SG) or CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> <li>• Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> <li>• Apply for a <b>study abroad</b> experience.</li> <li>• Explore <b>engagement opportunities</b> in the College of Nursing and Health Innovation.</li> <li>• Join a <b>student club</b> or <b>professional organization</b>.</li> <li>• Nursing or General Health Interest Track: BIO 201, BIO 202, CHM 101</li> <li>• Health Professional School Track: BIO 181, BIO 182, CHM 113.</li> </ul>
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
<i>Complete 2 courses:</i> COM 225: Public Speaking (L) OR SWU 250: Stress Management Tools I (SB) OR OGL 240: Introduction to Project Management	6	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❖ CHM 101: Introductory Chemistry (SQ) or BIO 201: Human Anatomy and Physiology I (SG) or BIO 202: Human Anatomy and Physiology II (SG) OR BIO 181: General Biology I (SQ) or BIO 182: General Biology II (SG) or CHM 113: General Chemistry I (SQ)	4	C
<i>Complete 2 courses:</i>		
❖ HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	6	C
❖ MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) OR CHM 116: General Chemistry II (SQ)	4	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Nursing or General Health Interest Track: BIO 201, BIO 202, CHM 101, MIC 205, MIC 206.
- Health Professional School Track: BIO 181, BIO 182, CHM 113, CHM 116.
- Develop your **skills**.

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	<ul style="list-style-type: none"> <li>• Nursing or General Health Interest Track: HCR 240</li> <li>• Health Professional School Track: CHM 233, CHM 237</li> <li>• Explore an <b>internship</b>.</li> <li>• Schedule an appointment with your <b>advisor</b> to review your academic progress</li> </ul>
❖ HCR 240: Human Pathophysiology OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
❖ HCR 241: Foundations of Integrative Health	3	C	
CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
NTR 241: Human Nutrition	3	C	
Term hours subtotal:	16		

Term 5 60 - 73 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	<ul style="list-style-type: none"> <li>• Nursing or General Health Interest Track: SOC 101, choose 3 electives.</li> <li>• Health Professional School Track: CHM 234/237, PHY 111/113, PHY 112/114.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L)	3	C	
COM 225: Public Speaking (L) OR SWU 250: Stress Management Tools I (SB) OR OGL 240: Introduction to Project Management	3	C	
Track Course Requirement	4-6	C	
Term hours subtotal:	13-15		

Term 6 73 - 89 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCR 301: Research Methods for the Health Care Professional	3	C	<ul style="list-style-type: none"> <li>• Nursing or General Health Interest Track: SOC 101, choose 3 electives.</li> <li>• Health Professional School Track: CHM 234/238, PHY 111/113, PHY 112/114.</li> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	
★ HCR 343: Historical and Cultural Foundations of Integrative Health Care	3	C	
Track Course Requirement	4-3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16-15		

Term 7 89 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HCI 311: Health Innovation: Foundational Concepts	3	C
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C
★ HCR 406: Health Literacy for Health Care Professionals	3	C
★ HCR 440: Interprofessional Approaches to Integrative Health Care	3	C
Track Course Requirement	4-3	C
Term hours subtotal:	16-15	

- Nursing or General Health Interest Track: SOC 101, choose 3 electives.
- Health Professional School Track: CHM 234/238, PHY 111/113, PHY 112/114.
- Explore [graduate programs](#) including ASU's [Master of Healthcare Innovation](#) and the [MS Regulatory Science](#).
- Gather [professional references](#).
- Update your [resume](#).

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> <li>• Connect with us as a member of our <a href="#">alumni community</a>.</li> </ul>
★ HCR 441: Legal and Ethical Issues Impacting Integrative Health Care	3	C	
★ HCR 449: Integrative Health Care Capstone	3	C	
★ TWC 443: Grant & Proposal Writing	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

The BS Integrative Health degree program provides opportunities for students to pursue two separate pathways.

The Health Professional School track provides an opportunity for students interested in pursuing graduate study in the health professions. This track includes the core required courses for most graduate programs. Students pursuing a graduate program in health should consult with an advisor to review the complete curriculum for graduate school preparation in the health professions.

The Nursing and General Health Interest track includes the prerequisites for the nursing program at Arizona State University. This track also provides options for students interested in health care.

#### Hide Course List(s)/Track Group(s)

Health Professional School	Nursing or General Health Interest
BIO 181: General Biology I (SQ)	BIO 201: Human Anatomy and Physiology I (SG)
BIO 182: General Biology II (SG)	BIO 202: Human Anatomy and Physiology II (SG)
CHM 113: General Chemistry I (SQ)	CHM 101: Introductory Chemistry (SQ)
CHM 116: General Chemistry II (SQ)	HCR 240: Human Pathophysiology
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	MAT 142: College Mathematics (MA)
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	SOC 101: Introductory Sociology (SB)
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	Elective
MAT 251: Calculus for Life Sciences (MA)	Elective
	Elective

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Integrative Health, BS





School/College: Edson College of Nursing and Health Innovation



Location: Online



NUIHLTBS

**FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Become familiar with the student focused <b>services and perks</b> available to ASU Online students.</li> <li>• Review <b>library</b> resources.</li> <li>• Prehealth students: consult with an advisor regarding <b>curriculum</b> and course substitutions.</li> <li>• Health Professional School Track: MAT 251</li> <li>• Nursing or General Health Interest Track: MAT 142</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 251: Calculus for Life Sciences (MA) OR MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) or BIO 182: General Biology II (SG) or CHM 113: General Chemistry I (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) or BIO 202: Human Anatomy and Physiology II (SG) or CHM 101: Introductory Chemistry (SQ)	4	C	<ul style="list-style-type: none"> <li>• Select your <b>Career Interest Communities</b>, play <b>me3@ASU</b> and review <b>academic programs</b>.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore <b>study abroad</b> options.</li> <li>• View ASU Online first-time freshmen registration information <b>here</b>.</li> <li>• Health Professional School Track: BIO 181, BIO 182, CHM 113</li> <li>• Nursing or General Health Interest Track: BIO 201, BIO 202, CHM 101</li> </ul>
CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	7		

Term 2 - A 14 - 23 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections - join the <b>ASU Mentor Network</b>.</li> <li>• Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> </ul>

STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C
COM 225: Public Speaking (L) OR SWU 250: Stress Management Tools I (SB) OR OGL 320: Foundations of Project Management	3	C
Term hours subtotal:	9	

Term 2 - B 23 - 30 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
BIO 181: General Biology I (SQ) or BIO 182: General Biology II (SG) or CHM 113: General Chemistry I (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) or BIO 202: Human Anatomy and Physiology II (SG) or CHM 101: Introductory Chemistry (SQ)	4	C	<ul style="list-style-type: none"> <li>Apply for a study abroad experience.</li> <li>Join a professional organization.</li> <li>Health Professional School Track: BIO 181, BIO 182, CHM 113</li> <li>Nursing or General Health Interest Track: BIO 201, BIO 202, CHM 101</li> </ul>
COM 225: Public Speaking (L) OR SWU 250: Stress Management Tools I (SB) OR OGL 320: Foundations of Project Management	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 30 - 37 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
BIO 181: General Biology I (SQ) or BIO 182: General Biology II (SG) or CHM 113: General Chemistry I (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) or BIO 202: Human Anatomy and Physiology II (SG) or CHM 101: Introductory Chemistry (SQ)	4	C	<ul style="list-style-type: none"> <li>Develop your skills.</li> <li>Health Professional School Track: BIO 181, BIO 182, CHM 113</li> <li>Nursing or General Health Interest Track: BIO 201, BIO 202, CHM 101</li> </ul>
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
Term hours subtotal:	7		

Term 3 - B 37 - 44 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	<ul style="list-style-type: none"> <li>Explore Career Webinars.</li> <li>Health Professional School Track: CHM 116</li> <li>Nursing or General Health Interest Track: MIC 205 &amp; MIC 206</li> </ul>
CHM 116: General Chemistry II (SQ) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 44 - 53 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
HCR 241: Foundations of Integrative Health	3	C	<ul style="list-style-type: none"> <li>Explore Career Advising.</li> </ul>
CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
NTR 241: Human Nutrition	3	C	
Term hours subtotal:	9		

Term 4 - B 53 - 59 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	<ul style="list-style-type: none"> <li>Explore an internship.</li> <li>Schedule an appointment with your advisor to review your academic progress.</li> </ul>
CHM 233: General Organic Chemistry I OR HCR 240: Human Pathophysiology	3-4	C	
Term hours subtotal:	6-7		

- Health Professional School Track: CHM 233 & CHM 237 (CHM 237 is offered in Summer Session only).
- Nursing or General Health Interest Track: HCR 240

Summer 4 59 - 60 Credit Hours	Hours	Minimum Grade	Notes
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CHM 237: General Organic Chemistry Laboratory I

1-0

C

Term hours subtotal: 1-0

- Health Professional School Track: CHM 237
- Nursing or General Health Interest Track: Students do not need to take a one hour track course in the summer.

Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L)

3

C

COM 225: Public Speaking (L) OR SWU 250: Stress Management Tools I (SB) OR OGL 320: Foundations of Project Management

3

C

Term hours subtotal: 6

- Explore the [Career Guide](#).

Term 5 - B 66 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities

3

C

Complete 2 courses:  
Track Course Requirement

4-6

C

Term hours subtotal: 7-9

- Develop your [professional online presence](#).
- Health Professional School Track: CHM 234 & 238, PHY 111 & 113, PHY 112 & 114. (CHM 238 is offered in summer Summer Session only).
- Nursing or General Health Interest Track: SOC 101, choose 3 electives.

Term 6 - A 73 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCR 301: Research Methods for the Health Care Professional

3

C

★ HCR 303: Assessing Needs, Assets and Capacity for Health Education

3

C

Term hours subtotal: 6

- Use [Handshake](#) to research employment opportunities.

Term 6 - B 79 - 88 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities

3

C

★ HCR 343: Historical and Cultural Foundations of Integrative Health Care

3

C

CHM 234: General Organic Chemistry II OR Track Course Requirement

3

C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 9

- Complete an in person or virtual [practice interview](#).
- Health Professional School Track: CHM 234 & CHM 238 (CHM 238 is offered in Summer Session only)
- Nursing or General Health Interest Track: SOC 101, choose 3 electives

Summer 6 88 - 89 Credit Hours	Hours	Minimum Grade	Notes
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CHM 238: General Organic Chemistry Laboratory II

1-0

C



Term hours subtotal: 1-0

- Health Professional School Track: CHM 238
- Nursing or General Health Interest Track: Students do not need to take a one hour track course in the summer.

Term 7 - A 89 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	• Explore graduate programs including ASU's Master of Healthcare Innovation and MS Regulatory Science.
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
Term hours subtotal:	6		

Term 7 - B 95 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 406: Health Literacy for Health Care Professionals	3	C	• Gather professional references. • Update your resume.
★ HCR 440: Interprofessional Approaches to Integrative Health Care	3	C	
Track Course Requirement	4-3	C	
Term hours subtotal:	10-9		• Health Professional School Track: PHY 112 & 114 • Nursing or General Health Interest Track: SOC 101, choose 3 electives

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 441: Legal and Ethical Issues Impacting Integrative Health Care	3	C	• Apply for full-time career opportunities.
TWC 443: Grant & Proposal Writing	3	C	
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	• Connect with us as a member of our alumni community.
★ HCR 449: Integrative Health Care Capstone	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

The BS Integrative Health degree program provides opportunities for students to pursue two separate pathways.

The Health Professional School track provides an opportunity for students interested in pursuing graduate study in the health professions. This track includes the core required courses for most graduate programs. Students pursuing a graduate program in health should consult with an advisor to review the complete curriculum for graduate school preparation in the health professions.

The Nursing and General Health Interest track includes the prerequisites for the nursing program at Arizona State University. This track also provides options for students interested in health care.

Hide Course List(s)/Track Group(s)

Health Professional School	Nursing or General Health Interest
BIO 181: General Biology I (SQ)	BIO 201: Human Anatomy and Physiology I (SG)
BIO 182: General Biology II (SG)	BIO 202: Human Anatomy and Physiology II (SG)
CHM 113: General Chemistry I (SQ)	
CHM 116: General Chemistry II (SQ)	

PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	CHM 101: Introductory Chemistry (SQ) HCR 240: Human Pathophysiology
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	MAT 142: College Mathematics (MA)
CHM 233: General Organic Chemistry I	MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)
CHM 237: General Organic Chemistry Laboratory I	SOC 101: Introductory Sociology (SB) Elective
CHM 234: General Organic Chemistry II	Elective
CHM 238: General Organic Chemistry Laboratory II	Elective
MAT 251: Calculus for Life Sciences (MA)	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map







### Nursing - Post Baccalaureate BSN, BSN

School/College: [Edson College of Nursing and Health Innovation](#)






Location: [Downtown Phoenix campus, ASU@The Gila Valley](#)

NUNURDBSN

Term 4 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>• Meet with a member of the Student Academic Services team to review the advancement requirements.</li> <li>• View the <a href="#">Postbaccalaureate Clinical Nursing Program Information Session</a></li> <li>• Students interested in graduating with Academic Recognition must have 56 credit hours of resident credit at ASU to qualify. Students should complete the additional 6 hours at ASU prior to starting the Postbaccalaureate Clinical Nursing Program (which is a total of 50 hours). For more details, please visit review the <a href="#">University Undergraduate Graduation Requirements</a>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ)	4	C	
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
 STP 226: Elements of Statistics (CS)	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 5 17 - 31 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Contact the College of Nursing and Health Innovation Student Academic Services office for the most recent copy of the <a href="#">Advancement Guide</a>.</li> </ul>
 CDE 232: Human Development (SB)	3	C	
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
 NTR 241: Human Nutrition	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 31 - 35 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 240: Human Pathophysiology	4	C	<ul style="list-style-type: none"> <li>• Students must be placed in the Postbaccalaureate Clinical Nursing Program. Deadline to apply is September 1. Placement is not guaranteed and is highly competitive.</li> </ul>
 Milestone: Students must be placed in the Post-Baccalaureate Clinical Nursing Program by the Undergraduate Student Academic Services Office. Placement is not guaranteed. There may be more applicants than clinical space allows.			
 Minimum 3.50 GPA ASU Cumulative.			
Term hours subtotal:	4		

Term 7 35 - 52 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NUR 311: Pharmacology in Nursing	3	C	<ul style="list-style-type: none"> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> <li>• Join a <a href="#">professional organization</a></li> <li>• Develop your <a href="#">professional online presence</a></li> </ul>
 NUR 330: Professional Nurse Attributes (HU)	3	C	
 NUR 356: Nursing Concepts: Fundamentals and Adult Health	5	C	
 NUR 366: Nursing Practice: Adults and Elders	6	Y	

Term hours subtotal: 17

Summer 7 52 - 68 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 315: Nursing Research and Application to Practice (L)	3	C	<ul style="list-style-type: none"> <li>• Gather professional and academic references.</li> <li>• Explore <a href="#">graduate programs</a>.</li> </ul>
★ NUR 317: Nursing Concepts for Psychiatric/Mental Health Nursing	2	C	
★ NUR 367: Nursing Practice: Psychiatric Mental Health--Postbaccalaureate BSN	2	Y	
★ NUR 384: Gerontological Nursing	1	C	
★ NUR 415: Nursing Concepts for Childbearing Family	2	C	
★ NUR 417: Nursing Concepts: Pediatric Clients	2	C	
★ NUR 475: Nursing Practice: Care of the Childbearing Family - Post Baccalaureate	2	Y	
★ NUR 477: Nursing Practice: Pediatric Clients	2	Y	
Term hours subtotal:	16		

Term 8 68 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 416: Nursing Concepts: Community/Public Health	3	C	<ul style="list-style-type: none"> <li>• Study for the National Council Licensure Examination (NCLEX).</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> <li>• Connect with us as a member of our <a href="#">alumni community</a></li> </ul>
★ NUR 418: Nursing Concepts: Complex Care	3	C	
★ NUR 419: Leading and Managing Nursing in Organizational Systems	2	C	
★ NUR 431: Professional Nurse Attributes Innovative Professional (L)	3	C	
★ NUR 476: Nursing Practice: Community and Public Health	2	Y	
★ NUR 478: Nursing Practice: Complex Care	2	Y	
★ NUR 479: Nursing Practice: Clinical Immersion	2	Y	
Term hours subtotal:	17		

- Placement into the postbaccalaureate BSN prelicensure program is based on clinical space availability. In addition to the application to ASU, there is a separate advancement process to be selected for placement. Prospective students should consult with the College of Nursing and Health Innovation Student Academic Services for the advancement requirements, including prerequisites, TEAS requirement, and immunization/background requirements. Students should also view the [Postbaccalaureate Clinical Nursing Program Information Session](#).

Hide Course List(s)/Track Group(s)

**Total Hours:** 85  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map








### Nursing - Traditional BSN, BSN




School/College: [Edson College of Nursing and Health Innovation](#)




Location: [Downtown Phoenix campus, ASU@The Gila Valley](#)

NUNURDBSN






Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students.</li> <li>• In order to advance into the Traditional Prelicensure Clinical Nursing Program, you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).</li> <li>• Select your <b>career interest area</b> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Explore <b>Study Abroad</b> options.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
 Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
Term hours subtotal:	14		








Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• In order to advance into the Traditional Prelicensure Clinical Nursing Program, you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).</li> <li>• Build your professional connections - join the <b>ASU Mentor Network</b></li> <li>• Join a <b>student club</b> or <b>professional organization</b>.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Explore options for <b>summer employment</b>.</li> <li>• Apply for summer <b>Study Abroad</b>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
HCR 210: Ethics for the Health Care Professional (HU) OR HCR			
 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
 Approved Statistics Course AND Computer/Statistics/Quantitative Applications (CS)	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• In order to advance into the Traditional Prelicensure Clinical Nursing Program, you must meet all of the Continuing</li> </ul>
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	

 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C
 Minimum 3.50 GPA ASU Cumulative. Complete Mathematics (MA) requirement.		
Term hours subtotal:		14

- Eligibility Criteria each semester (see bottom of major map for more details).
- Develop your **skills**.
  - View the Traditional Prelicensure Clinical Nursing Program **Advancement Workshop**.

Term 4 44 - 57 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	<ul style="list-style-type: none"> <li>• In order to advance into the Traditional Prelicensure Clinical Nursing Program, you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).</li> <li>• Submit your <b>Clinical Nursing Advancement Application</b> by February 1 for summer/fall start or September 1 for spring start.</li> </ul>
 HCR 240: Human Pathophysiology	4	C	
 NTR 241: Human Nutrition	3	C	
Elective	3		
 Minimum 3.50 GPA ASU Cumulative. Milestone: Completion of all non-coursework Nursing requirements (e.g. immunizations/titers, fingerprint clearance card, background check, CPR/BLS certification, etc.) for continuation into the Traditional Prelicensure Clinical Nursing Program.			
Term hours subtotal:		13	

Term 5 57 - 73 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NUR 311: Pharmacology in Nursing	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 NUR 325: Health and Illness Concepts I	3	C	
 NUR 330: Professional Nurse Attributes (HU)	3	C	
 NUR 336: Experiential Learning	3	C	
 NUR 346: Nursing Practice: Adults and Elders	1	Y	
 NUR 352: Fundamental Concepts in Nursing	3	C	
Term hours subtotal:		16	

Term 6 73 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NUR 315: Nursing Research and Application to Practice (L)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 NUR 326: Health and Illness Concepts: Adults and Psychiatric/Mental Health	4	C	
 NUR 337: Experiential Learning: Intermediate	2	C	
 NUR 347: Nursing Practice: Childbearing Family	1	Y	
 NUR 348: Intermediate Nursing Practice: Adults	2	Y	
 NUR 349: Nursing Practice: Psychiatric Mental Health--Prelicensure BSN	1	Y	
 NUR 353: Integration of Concepts Across the Lifespan: Conception to End of Life	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		16	

Term 7 89 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 404: Professional Nurse Concepts: Intermediate	2	C	<ul style="list-style-type: none"> <li>• Gather professional and academic references.</li> <li>• Explore graduate programs.</li> </ul>
★ NUR 425: Health and Illness Concepts: Adults and Pediatrics	4	C	
★ NUR 436: Experiential Learning: Advanced	3	C	
★ NUR 446: Complex Nursing Practice: Adults	1	Y	
★ NUR 447: Nursing Practice: Pediatrics	1	Y	
★ NUR 452: Concepts in Population-Based Health	3	C	
★ NUR 458: Interprofessional Education and Collaboration Seminar	2	C	
Term hours subtotal:	16		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 405: Professional Nurse Concepts: Advanced	3	C	<ul style="list-style-type: none"> <li>• Study for the National Council Licensure Examination (NCLEX).</li> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
★ NUR 437: Experiential Learning: Readiness to Practice	3	C	
★ NUR 448: Nursing Practice Readiness	3	Y	
★ NUR 453: Integration Concepts in the Health Care (L)	3	C	
★ NUR 459: Interprofessional Education and Collaboration Seminar: Advanced	3	C	
Term hours subtotal:	15		

Direct admit students must meet Continuing Eligibility Criteria each semester (terms 1-4) to advance into the Traditional Prelicensure Clinical Nursing Program. Advisors in CONHI Student Services review criteria each semester.

Continuing Eligibility Criteria:

- Full-time enrollment at ASU (at least 12 hours per term; some scholarships require at least 15 hours per term).
- Enroll in the courses following the published course sequence on the major map (taking courses according to term).
- Courses taken at institutions other than ASU, during the required term, must have grades recorded on the ASU system by the final grading deadline (degree conferral dates) per the ASU Academic Calendar.
- 3.50 minimum semester critical (prerequisite) course GPA in terms 1-4 (includes +/- in computation)
- Grades of C or better in critical (prerequisite) courses
- Successful completion of all screening items
- Any deviation from the approved major map requires a petition and approval from the academic program. Please consult with your advisor for more information.

Hide Course List(s)/Track Group(s)

Approved Statistics (CS) Courses
EDP 454: Statistical Data Analysis in Education (CS)
PAF 301: Applied Statistics (CS)
SBS 304: Social Statistics I (CS)
SOC 390: Social Statistics I (CS)
STP 226: Elements of Statistics (CS)



STP 231: Statistics for Life Science (CS)

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SWU 321: Statistics for Social Workers (CS)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Nursing, BSN

School/College: [Edson College of Nursing and Health Innovation](#)

Location: [Online](#)

NUNURDBSN

Term 5 - A 0 - 3 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 361: Writing for Health Care Management (L)	3	C	<ul style="list-style-type: none"> <li>• Activate your <a href="#">Handshake</a> account and build your profile.</li> <li>• Update your <a href="#">resume</a>.</li> </ul>
Term hours subtotal:	3		
Term 5 - B 3 - 7 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 391: Professional Nursing Theory (L)	4	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">professional organization</a>.</li> <li>• Build your professional connections - join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Term hours subtotal:	4		
Term 6 - A 7 - 11 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 318: Nursing Research and Evidence Translation (L)	4	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
Term hours subtotal:	4		
Term 6 - B 11 - 15 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 392: Health Promotion Across the Life Span	4	C	<ul style="list-style-type: none"> <li>• Build your <a href="#">skills</a>.</li> </ul>
Term hours subtotal:	4		
Term 7 - A 15 - 19 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 440: Community and Public Health Nursing in the United States	4	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">graduate programs</a>.</li> </ul>
Term hours subtotal:	4		
Term 7 - B 19 - 23 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 495: Public and Global Health in Nursing (G)	4	C	<ul style="list-style-type: none"> <li>• Complete a <a href="#">virtual practice interview</a>.</li> </ul>
Term hours subtotal:	4		
Term 8 - A 23 - 27 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 460: The Art of Nursing (HU)	4	C	<ul style="list-style-type: none"> <li>• Gather academic and <a href="#">professional references</a>.</li> </ul>
Term hours subtotal:	4		
Term 8 - B 27 - 31 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 444: Innovation in Nursing	4	C	<ul style="list-style-type: none"> <li>• Update your <a href="#">resume</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Term hours subtotal:	4		
Term 9 - A 31 - 35 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ NUR 445: Nursing Management in Health Care	4	C	• Connect with us as a member of our alumni community.
Term hours subtotal:	4		

Term 9 - B 35 - 39 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 464: Capstone: The Synthesis of Professional Nursing	4	C	• Explore graduate nursing programs at ASU.
Term hours subtotal:	4		

- There are different options available for the Online RN to BSN including the Pathway, the Non-Pathway, and the Concurrent Enrollment Program. The pre-requisites for each option vary and the number of courses needed to graduate from ASU with a BSN may vary. Students must see an RN to BSN academic advisor for more information about the pre-requisites and the graduation requirements.

Hide Course List(s)/Track Group(s)

**Total Hours:** 39  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Applied Science (Emergency Management), BAS

School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPMGBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
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AAS Transfer Degree Block

60

Term hours subtotal:

60

- Students may meet lower division general studies requirements with the AAS degree.
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 201: Economics and Public Policy (SB)

3

C

★ PAF 300: Public Management and Administration

3

C

MAT 142: College Mathematics (MA)

3

Upper Division Literacy and Critical Inquiry (L)

3

Elective

3

Term hours subtotal:

15

Term 6 75 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 301: Applied Statistics (CS)

3

C

★ PAF 311: Leadership and Change (SB)

3

C

★ PAF 340: Contemporary Policy Challenges

3

C

★ PAF 360: Introduction to Emergency Management

3

C

Natural Science - Quantitative (SQ)

4

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal:

16

- Use Handshake to research employment opportunities

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 302: Public Service Research Methods

3

C

★ PAF 410: Building Leadership Skills (SB)

3

C

★ PAF 424: Comprehensive Emergency Management

3

C

★ PAF 460: Public Service Ethics

3

C

★ PAF 468: Simulation and Exercising

3

C

Term hours subtotal:

15

- Apply for full-time career opportunities

		Minimum	
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Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
★ PAF 425: National Incident Management System (NIMS)	3	C	
★ PAF 469: Terrorism Defense	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Elective	2		
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Community Advocacy and Social Policy, BA




School/College: Watts College of Public Service & Community Solut




Location: Downtown Phoenix campus, West campus

PPCASPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SWU 171: Introduction to Social Work (SB & H)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
 PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Public Service Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		



Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU) OR PHI 105: Intro to Ethics (HU) OR SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3		<ul style="list-style-type: none"> <li>• For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR SWU 181: Economics: A Social Issues Perspective	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Public Service Interdisciplinary Requirement	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		



Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR SWU 182: Social Services Perspective of Government (SB)	3		<ul style="list-style-type: none"> <li>• By the end of term 4, students should have completed the following requirements:               <ol style="list-style-type: none"> <li>1. ECN 211 or SWU 181</li> <li>2. PHI 101 or PHI 105 or SWU 183</li> <li>3. POS 110 or SWU 182</li> </ol> </li> <li>• Develop your <b>skills</b>.</li> </ul>
Diversity and Oppressed Population	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SWU 291: Social Service Delivery Systems	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement.</li> </ul>
Diversity and Oppressed Population	3		
Social Problems and Interventions	3		
Complete 2 courses:			
Elective	6		
 Complete ECN 211 OR SWU 181 course.			
Complete POS 110 OR SWU 182 course.			
Complete PHI 101 OR PHI 105 OR SWU 183 course.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SWU 306: Ethics in Social Services (L)	3	C	<ul style="list-style-type: none"> <li>• Develop your professional online presence.</li> </ul>
 SWU 350: Whole Person Health Across the Lifespan (SB)	3	C	
SWU 321: Statistics for Social Workers (CS)	3		
Upper Division Diversity and Oppressed Population	3		
Upper Division Social Problems and Interventions	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SWU 303: Micro Human Behavior and the Social Environment (L or SB)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> </ul>
 SWU 340: Macro Human Behavior and the Social Environment (SB)	3	C	
SWU 302: Human Biology for Social Workers	3		
SWU 320: Research Methods in Social Work	3	C	
SWU 374: Diversity and Oppression in a Social Work Context (C)	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SWU 332: Social Policy and Advocacy	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Diversity and Oppressed Population	3		
Complete 2 courses:			
Upper Division Social Problems and Interventions	6		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SWU 488: Advocacy Strategies	3	C	
Upper Division Diversity and Oppressed Population	3		
Upper Division Social Problems and Interventions	3		
Elective OR SWU 484: Internship	3		
Term hours subtotal:	12		

- For the Public Service Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

Social Problems and Interventions: Courses focus on social problems that disproportionately affect members of oppressed populations and change strategies. Select five of the courses in this sequence; four courses must be SWU courses; 12 credits must be upper division. Diversity and Oppressed Populations: Courses focus on oppressed or marginalized populations and systems of oppression/domination. Select five of the courses in this sequence; two courses must be SWU courses; 9 credits must be upper division. For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Public Service Interdisciplinary Requirement-Area 1	Public Service Interdisciplinary Requirement-Area 2	Public Service Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	CSM 201: Introduction to Community Sports
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	NLM 160: Voluntary Action and Community Leadership (SB)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	NLM 220: Introduction to Nonprofit Organizations
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	PRM 120: Leisure and the Quality of Life (SB)
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	PRM 364: Foundations of Recreation Therapy (SB)
CRJ 240: Introduction to Corrections		PRM 380: Wilderness and Parks in America (SB & H)
CRJ 260: Substantive Criminal Law		TDM 205: Introduction to Travel and Tourism (G)
CRJ 270: Community Justice (SB)		TDM 458: International Tourism (G)
CRJ 305: Gender, Crime, and Criminal Justice (C)		
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		
Public Service Interdisciplinary Requirement-Area 4	Social Problems and Interventions	Diversity and Oppressed Populations
CPP Elective	CRJ 461: Domestic Violence	APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C)
	JUS 420: Women, Work, and Justice ((L or SB) & C)	APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C)
	SOC 424: Women and Health (SB)	APA 360: Chinese American ((HU or SB) & C)
	SWU 250: Stress Management Tools I (SB)	ASB 346: Marriage and Family Diversity (SB & C)
	SWU 349: Stress Management Tools II (SB)	CRJ 305: Gender, Crime, and Criminal Justice (C)
	SWU 351: Sustainable Living, Mindful Eating (SB)	



SWU 417: Technology, Interpersonal Relationships and Abuse	FAS 370: Family Ethnic and Cultural Diversity (SB & C)
SWU 418: Global Violence Against Women	HST 325: Immigration and Ethnicity in the United States (SB & H & C)
SWU 454: Overview of Addictions	JUS 350: Immigration and Justice (SB & C)
SWU 456: Immigrants and Refugees (C)	POS 435: Women and Politics (SB & C)
SWU 458: Behavioral Health Services	REL 330: Native American Worldviews (HU & C)
SWU 460: Legal Issues in Social Work	SOC 378: Migration and Society (SB & C)
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	SOC 418: Aging and the Life Course (SB & H)
SWU 462: Global Social Welfare	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
	SWU 457: Southwest Borderland Immigration Issues (C)
	SWU 498: Working With American Indians (L)
	WST 300: Women and Gender in Contemporary Society (SB & C)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Community Advocacy and Social Policy, BA

School/College: Watts College of Public Service & Community Solut

Location: Online

PPCASPBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SWU 171: Introduction to Social Work (SB & H)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
Milestone: Meet with an academic advisor			
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR SWU 181: Economics: A Social Issues Perspective	3		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU) OR PHI 105: Intro to Ethics (HU) OR SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3		<ul style="list-style-type: none"> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• By the end of term four, students should have completed the following requirements:               <ol style="list-style-type: none"> <li>1. ECN 211 or SWU 181</li> <li>2. PHI 101 or PHI 105 or SWU 183</li> <li>3. POS 110 or SWU 182</li> </ol> </li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 26 - 32 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		

Elective	3
Term hours subtotal:	6

Term 3 - B 32 - 39 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
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⚠ POS 110: American Government and Politics (SB) OR SWU 182: Social Services Perspective of Government (SB)	3		• Develop your <b>skills</b> .
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 39 - 45 Credit Hours	Hours	Minimum Grade	Notes
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Diversity and Oppressed Population	3
Elective	3
Term hours subtotal:	6

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
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⚠ SWU 291: Social Service Delivery Systems	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
Public Service Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
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SWU 321: Statistics for Social Workers (CS)	3
Diversity and Oppressed Population	3
Term hours subtotal:	6

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SWU 306: Ethics in Social Services (L)	3	C
SWU 302: Human Biology for Social Workers	3	
Term hours subtotal:	6	

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SWU 303: Micro Human Behavior and the Social Environment (L or SB)	3	C
SWU 320: Research Methods in Social Work	3	C
Term hours subtotal:	6	

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SWU 350: Whole Person Health Across the Lifespan (SB)	3	C
Upper Division Diversity and Oppressed Population	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SWU 340: Macro Human Behavior and the Social Environment (SB)	3	C	
SWU 374: Diversity and Oppression in a Social Work Context (C)	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Social Problems and Interventions	3		<ul style="list-style-type: none"> <li>For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Develop your professional online presence.</li> </ul>
Public Service Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SWU 332: Social Policy and Advocacy	3	C	
Upper Division Social Problems and Interventions	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Social Problems and Interventions	3		<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Social Problems and Interventions	3		
Elective OR SWU 484: Internship	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Social Problems and Interventions	3		<ul style="list-style-type: none"> <li>Apply for full-time career opportunities.</li> </ul>
Upper Division Diversity and Oppressed Population	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Diversity and Oppressed Population	3		
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SWU 488: Advocacy Strategies	3	C	
Term hours subtotal:	3		

- For the Public Service Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

Social Problems and Interventions: Courses focus on social problems that disproportionately affect members of oppressed populations and change strategies. Select five of the courses in this sequence; four courses must be SWU courses; 12 credits must be upper division. Diversity and Oppressed Populations: Courses focus on oppressed or marginalized populations and systems of oppression/domination. Select five of the courses in this sequence; two courses must be SWU courses; 9 credits must be upper division. For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Public Service Interdisciplinary Requirement-Area 1	Public Service Interdisciplinary Requirement-Area 2	Public Service Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	CSM 201: Introduction to Community Sports
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	PRM 120: Leisure and the Quality of Life (SB)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	PRM 364: Foundations of Recreation Therapy (SB)
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	PRM 380: Wilderness and Parks in America (SB & H)
CRJ 230: Introduction to Policing		TDM 205: Introduction to Travel and Tourism (G)
CRJ 240: Introduction to Corrections		TDM 458: International Tourism (G)
CRJ 260: Substantive Criminal Law		
CRJ 270: Community Justice (SB)		
CRJ 305: Gender, Crime, and Criminal Justice (C)		
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		
Public Service Interdisciplinary Requirement-Area 4	Social Problems and Interventions Courses	Diversity and Oppressed Populations Courses
CPP Elective	CRJ 461: Domestic Violence	APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C)
	SOC 424: Women and Health (SB)	CRJ 305: Gender, Crime, and Criminal Justice (C)
	SWU 250: Stress Management Tools I (SB)	FAS 370: Family Ethnic and Cultural Diversity (SB & C)
	SWU 349: Stress Management Tools II (SB)	HST 325: Immigration and Ethnicity in the United States (SB & H & C)
	SWU 351: Sustainable Living, Mindful Eating (SB)	JUS 350: Immigration and Justice (SB & C)
	SWU 456: Immigrants and Refugees (C)	POS 435: Women and Politics (SB & C)
	SWU 458: Behavioral Health Services	

SWU 460: Legal Issues in Social Work	SOC 378: Migration and Society (SB & C)
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	SOC 418: Aging and the Life Course (SB & H)
SWU 462: Global Social Welfare	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
SWU 498: Overview of Addictions	SWU 457: Southwest Borderland Immigration Issues (C)
	SWU 498: Working With American Indians (L)
	WST 300: Women and Gender in Contemporary Society (SB & C)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.














## 2019 - 2020 Major Map

### Community Sports Management, BS

School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPCSMBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>	
 PRM 120: Leisure and the Quality of Life (SB)	3	C		
ASU 101-CPP: The ASU Experience	1			
MAT 142: College Mathematics (MA)	3	C		
Interdisciplinary Requirement	3			
Humanities, Arts and Design (HU)	3			
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.				
Term hours subtotal:	16			
<hr/>				
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 CRD 210: Community Services and Professions.	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>	
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Computer/Statistics/Quantitative Applications (CS)	3			
Natural Science - Quantitative (SQ)	4			
Elective	3			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
<hr/>				
Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CSM 201: Introduction to Community Sports	3	C	<ul style="list-style-type: none"> <li>• Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> <li>• CSM 201 - Fall Only</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>	
CSM 203: Program Planning	3	C		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3			
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3			
Elective	3			
 Complete Mathematics (MA) requirement.				
Term hours subtotal:	15			
<hr/>				
Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• Students can choose courses from any of the four Interdisciplinary areas/track groups. To</li> </ul>	
CSM Elective	3	C		

Interdisciplinary Requirement	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Elective	3
Minimum 2.50 GPA ASU Cumulative.	
Term hours subtotal:	16

meet the requirement, students must take two courses from at least two different groups.

- Secure **experience** to continue your 200 career field exploration hours

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PRM 315: Community Recreation Systems	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 or PRM 315 will satisfy the college Solution-Based Learning (SBL) Requirement.</li> <li>Develop your <b>skills</b></li> <li>PRM 315 - Fall Only</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
★ CRD 301: Sustainable Communities	3	C	
CSM 306: Advanced Programming and Facilitation	3	C	
CSM 350: Tourism, Recreation and Sports Marketing	3	C	
CSM Elective	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 302: Inclusive Community Development (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b></li> <li>CSM 305 and CSM 401 - Spring Only</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
★ CSM 305: Sports Facility Operations and Management	3	C	
CSM 401: Managing Leisure Enterprises	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>Successful completion of CSM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Use Handshake to research <b>employment/internship opportunities</b></li> <li>CSM 407 - Fall Only</li> <li>Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
★ CSM 402: Assessment and Evaluation of Community Services	3	C	
CSM 407: Ethics and Legal Issues in Sports	3	C	
Complete 2 courses:	6	C	
CSM Elective			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>Successful completion of CSM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.



- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301 or PRM 315 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 240: Introduction to Corrections		SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 260: Substantive Criminal Law		SWU 250: Stress Management Tools I (SB)
CRJ 270: Community Justice (SB)		SWU 349: Stress Management Tools II (SB)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 456: Immigrants and Refugees (C)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 309: Criminology (SB)		SWU 459: Spirituality and the Helping Professions
CRJ 350: Law and Social Control (SB)		SWU 460: Legal Issues in Social Work
		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	CSM Electives (12 credits - grade of 'C' required)	
CPP Elective	CSM 335: Sports and Recreation for Youth Development	
	CSM 453: Inclusive and Adaptive Sports and Recreation	
	CSM 483: Sports Tourism	
	CSM 485: Sports Events	
	NLM 160: Voluntary Action and Community Leadership (SB)	
	NLM 220: Introduction to Nonprofit Organizations	
	NLM 310: Volunteer Management	
	NLM 380: Financial Management for Nonprofit Organizations	
	NLM 410: Social Entrepreneurship	

PAF 410: Building Leadership Skills (SB)

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PRM 364: Foundations of Recreation Therapy (SB)

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PRM 455: Recreational Therapy with Children, Youth and Families

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PRM 475: Entrepreneurial Recreation and Tourism

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PRM 486: Special Events Management

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PRM 488: Event Marketing and Promotion

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SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

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TDM 205: Introduction to Travel and Tourism (G)

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TDM 458: International Tourism (G)

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URB 240: Urban Policy (C)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Community Sports Management (Events), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPCSMEBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
CSM 201: Introduction to Community Sports	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions.	3	C	<ul style="list-style-type: none"> <li>• Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> </ul>
CSM 203: Program Planning	3	C	
CSM Events Concentration Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet</li> </ul>
CSM Events Concentration Elective	3	C	
Interdisciplinary Requirement	3		

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Elective	3
Minimum 2.50 GPA ASU Cumulative.	
Term hours subtotal:	16

the requirement, students must take two courses from at least two different groups.

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 or PRM 315 will satisfy the college Solution-Based Learning (SBL) Requirement.</li> <li>• Develop your <b>skills</b></li> </ul>
★ CSM 305: Sports Facility Operations and Management	3	C	
★ PRM 315: Community Recreation Systems	3	C	
CSM 350: Tourism, Recreation and Sports Marketing	3	C	
PRM 486: Special Events Management	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 302: Inclusive Community Development (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
CSM 407: Ethics and Legal Issues in Sports	3	C	
CSM 485: Sports Events	3	C	
NLM 310: Volunteer Management	3	C	
TDM 483: Sports Tourism	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CSM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Research <b>employment and internship opportunities</b></li> </ul>
★ CSM 402: Assessment and Evaluation of Community Services	3	C	
CSM 401: Managing Leisure Enterprises	3	C	
Upper Division Literacy and Critical Inquiry (L)	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of CSM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups
- For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.

- Successful completion of CRD 301, PRM 315, CSM 463, or CSM 402 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections		SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	CSM Events Concentration Electives (choose two)	
CPP Elective	PRM 422: Entertainment, Protocol, and Programming for Special Events	
	PRM 423: Special Event On-Site Operations	
	PRM 427: Revenue Generation for Special Event Management	
	PRM 487: Advanced Special Events Management	
	PRM 488: Event Marketing and Promotion	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Criminology and Criminal Justice, BS



School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus, West campus, ASU@Lake Havasu, ASU@Tucson, ASU@Yuma  
PPCRIMJBS

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 100: Introduction to Criminal Justice (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b></li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	17		

Term 2 17 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b></li> <li>• Explore <b>study abroad options</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Create a first draft <b>resume</b></li> <li>• Explore <b>study abroad options</b></li> </ul>
CRJ 2** Elective	3	C	
Interdisciplinary Requirement	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 2** Elective	3	C	
Solution-Based Learning (SBL) Requirement	3		

Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
Literacy and Critical Inquiry (L)	3
Elective	3
Term hours subtotal:	15

- The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits.
- Upper-division course electives may fulfill the college Solution-Based Learning (SBL) requirement. Please see your advisor for more information.
- Develop your **professional online presence**
- Explore **study abroad options**
- Explore an **internship**

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRJ 302: Research Methods (L)	3	C	<ul style="list-style-type: none"> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
CRJ 309: Criminology (SB)	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses:	6		
Elective	6		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRJ 303: Statistical Analysis (CS)	3	C	<ul style="list-style-type: none"> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
CRJ 3** Elective	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses:	6		
Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRJ 305: Gender, Crime, and Criminal Justice (C) OR CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	3	C	<ul style="list-style-type: none"> <li>• Research <b>employment opportunities</b></li> <li>• Complete an in person or virtual <b>practice interview</b></li> <li>• Explore an <b>internship</b></li> </ul>
CRJ 4** Elective	3	C	
Complete 2 courses:	6	C	
CRJ 3** Elective OR CRJ 4** Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 3 courses:	9	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b></li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
CRJ 4** Elective	3	C	
Upper Division Related Area Course	3	C	
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.



- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) Requirement:

- Students must complete SBL coursework for a total of 3 credits by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement - Area 3
CSM 201: Introduction to Community Sports	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
NLM 160: Voluntary Action and Community Leadership (SB)	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
NLM 220: Introduction to Nonprofit Organizations	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
PRM 120: Leisure and the Quality of Life (SB)	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
PRM 364: Foundations of Recreation Therapy (SB)	URB 240: Urban Policy (C)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
PRM 380: Wilderness and Parks in America (SB & H)		SWU 250: Stress Management Tools I (SB)
TDM 205: Introduction to Travel and Tourism (G)		SWU 349: Stress Management Tools II (SB)
TDM 458: International Tourism (G)		SWU 456: Immigrants and Refugees (C)
		SWU 458: Behavioral Health Services
		SWU 459: Spirituality and the Helping Professions
		SWU 460: Legal Issues in Social Work
		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Solution-Based Learning (SBL) Requirement	Interdisciplinary Requirement-Area 4	Related Area Courses
CPP 350: Community Works	CPP Elective	AIS 360: Issues in Urban Indian Country (C)
CPP 353: Community Impact Lab		AIS 380: Contemporary Issues of American Indian Nations (C)
CRD 301: Sustainable Communities		ASB 305: Poverty and Global Health ((L or SB) & G)
CRD 435: Service Learning for Community Development		COM 312: Communication, Conflict, and Negotiation
CRJ 317: Inside Out Prison Exchange Program		COM 314: Inner-City Families: The Cycle of Poverty
CRJ 394: Comparative Organized Crime		COM 319: Persuasion and Social Influence (SB)
CRJ 394: The British Roots of U.S. Criminal Justice		COM 325: Advanced Public Speaking (L)
CRJ 455: Police and International Terrorism		COM 326: Court Room Oratory
CRJ 456: Etiology of Martyrdom		COM 414: Crisis Communication
CRJ 484: Internship		COM 421: Rhetoric of Social Issues (HU)
CRJ 492: Honors Directed Study		

CRJ 493: Honors Thesis (L)	CPP 350: Community Works
CRJ 496: Directed Research	CPP 353: Community Impact Lab
CRJ 499: Individualized Instruction	CRD 302: Inclusive Community Development (SB & C)
NLM 160: Voluntary Action and Community Leadership (SB)	ENG 301: Writing for the Professions (L)
NLM 435: Service Learning for Community Development	ENG 302: Business Writing (L)
PRM 203: Program Planning	ENG 311: Persuasive Writing (L)
PRM 315: Community Recreation Systems	HST 322: Constitutional History of the United States Since 1865 (H)
PRM 370: Public Lands Management	HST 325: Immigration and Ethnicity in the United States (SB & H & C)
PRM 486: Special Events Management	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)
SWU 291: Social Service Delivery Systems	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
TDM 345: Meeting and Convention Planning	HST 334: African American History Since 1865 ((HU or SB) & C & H)
	HST 338: American Indian History since 1900 ((HU or SB) & C & H)
	HST 454: History of Genocide (G & H)
	IAS 300: Career Strategies and Personal Resilience (L or SB)
	JUS 329: Domestic Violence (SB)
	JUS 350: Immigration and Justice (SB & C)
	JUS 370: Cultural Diversity and Justice ((L or HU) & C)
	JUS 374: The Holocaust, Genocide, and Human Rights
	JUS 410: Punishment: Logic and Approach
	JUS 432: Racial Justice (L)
	JUS 465: Death Penalty in the United States (L)
	JUS 467: Terrorism, War, and Justice (SB)
	JUS 477: Youth and Justice (L or SB)
	LAW 310: The Global Legal Community
	PAF 300: Public Management and Administration
	PAF 311: Leadership and Change (SB)
	PAF 340: Contemporary Policy Challenges
	PAF 410: Building Leadership Skills (SB)
	PAF 460: Public Service Ethics

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PAF 469: Terrorism Defense

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PHI 306: Applied Ethics (HU)

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PHI 307: Philosophy of Law (HU)

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PHI 336: Social and Political Philosophy (HU)

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PHI 360: Business and Professional Ethics (HU)

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PHI 406: Moral Dilemmas (L or HU)

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POS 310: American National Government (SB)

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POS 325: Public Policy Development (SB)

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POS 346: Problems of Democracy (HU)

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POS 364: National Security, Intelligence, and Terrorism (SB)

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POS 370: Law and Society (SB)

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POS 442: American Political Thought (HU)

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POS 467: International Security (SB & G)

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POS 470: Law and the Political Order (SB)

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POS 471: Constitutional Law I (SB)

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POS 472: Constitutional Law II (SB)

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POS 480: Global Justice (G)

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PSY 350: Social Psychology (SB)

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PSY 366: Abnormal Psychology (SB)

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PSY 368: Forensic Psychology

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PSY 443: Abnormal Child Psychology (L or SB)

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PUP 301: Introduction to Urban Planning (L)

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REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)

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REL 381: Religion and Moral Issues (L or HU)

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SGS 320: Mechanisms of Governance

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SGS 340: Violence, Conflict and Human Rights

---

SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G)

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SOC 312: Adolescence (SB)

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SOC 332: The Modern City (G)

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SOC 340: The Sociology of Deviance (SB)

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SOC 352: Social Change (SB & G & H)

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SOC 360: Sociological Psychology (SB)

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SOC 363: Men and Masculinity (SB)

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SOC 426: Social Inequality (SB)

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STS 364: Science, Technology, and National Security (SB)

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SWU 454: Overview of Addictions

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SWU 456: Immigrants and Refugees (C)

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SWU 457: Southwest Borderland Immigration Issues (C)

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SWU 460: Legal Issues in Social Work

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SWU 498: Prostitution and Sex Trafficking (L)

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TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)

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TCL 332: Mexican American History Since 1900 (SB & H & C)

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URB 300: Urban and Metropolitan Studies

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URB 305: Urban Governance

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Criminology and Criminal Justice, BS



School/College: [Watts College of Public Service & Community Solut](#)

Location: [Online](#)

PPCRIMJBS




**FT** Fast Track Options: 2.5 Year | 3 Year



A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 100: Introduction to Criminal Justice (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a></li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 2 - A 14 - 20 Credit Hours	Hours	Minimum Grade	Notes
MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a></li> <li>• Explore <a href="#">study abroad options</a></li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 27 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a></li> <li>• Explore <a href="#">study abroad options</a></li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ CRJ 2** Elective	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> </ul>
Elective	3		
❖ Complete Mathematics (MA) requirement.			
Term hours subtotal:		6	

Term 4 - A 39 - 45 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ CRJ 2** Elective	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Interdisciplinary Requirement	3		<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups.To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Develop your <a href="#">professional online presence</a></li> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 302: Research Methods (L)	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
CRJ 309: Criminology (SB)	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 303: Statistical Analysis (CS)	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups.To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 305: Gender, Crime, and Criminal Justice (C) OR CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division Related Area Courses	3	C	<ul style="list-style-type: none"> <li>• The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits.</li> <li>• Upper-division course electives may fulfill the college Solution-Based Learning (SBL)</li> </ul>
Solution-Based Learning (SBL) Requirement	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

requirement. Please see your advisor for more information.

- Explore [study abroad options](#)
- Explore an [internship](#)

Term 7 - A 75 - 81 Credit Hours	Hours	Minimum Grade	Notes
CRJ 3** Elective	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Upper Division Related Area Courses	3	C	
Term hours subtotal:	6		
Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 3** Elective OR CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Upper Division Related Area Courses	3	C	
Term hours subtotal:	6		
Term 8 - A 87 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 3** Elective OR CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 8 - B 93 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 9 - A 99 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 9 - B 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Explore an <a href="#">internship</a></li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		
Term 10 - A 111 - 117 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		<ul style="list-style-type: none"> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
Term hours subtotal:	3		

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) College Requirement:
- Students must complete SBL coursework for a total of 3 credits by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement - Area 3
CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)	PAF 200: Public Service and Policy in the 21st Century
PRM 120: Leisure and the Quality of Life (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	PAF 201: Economics and Public Policy (SB)
PRM 364: Foundations of Recreation Therapy (SB)	SWU 181: Economics: A Social Issues Perspective	PAF 311: Leadership and Change (SB)
PRM 380: Wilderness and Parks in America (SB & H)	SWU 182: Social Services Perspective of Government (SB)	PAF 410: Building Leadership Skills (SB)
TDM 205: Introduction to Travel and Tourism (G)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
TDM 458: International Tourism (G)	SWU 250: Stress Management Tools I (SB)	
	SWU 349: Stress Management Tools II (SB)	
	SWU 456: Immigrants and Refugees (C)	
	SWU 458: Behavioral Health Services	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
Interdisciplinary Requirement-Area 4	Solution-Based Learning (SBL) Requirement	Related Area Courses
CPP Elective	CPP 350: Community Works	ASB 305: Poverty and Global Health ((L or SB) & G)
	CPP 353: Community Impact Lab	COM 312: Communication, Conflict, and Negotiation
	CRD 435: Service Learning for Community Development	COM 319: Persuasion and Social Influence (SB)
	CRJ 394: Comparative Organized Crime	COM 414: Crisis Communication
	CRJ 394: The British Roots of U.S. Criminal Justice	CPP 350: Community Works
	CRJ 455: Police and International Terrorism	CPP 353: Community Impact Lab
	CRJ 456: Etiology of Martyrdom	CRD 302: Inclusive Community Development (SB & C)
	CRJ 484: Internship	ENG 301: Writing for the Professions (L)
	PRM 203: Program Planning	ENG 302: Business Writing (L)
	PRM 486: Special Events Management	



SWU 291: Social Service Delivery Systems

ENG 311: Persuasive Writing (L)

TDM 345: Meeting and Convention Planning

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

IAS 300: Career Strategies and Personal Resilience (L or SB)

JUS 329: Domestic Violence (SB)

JUS 350: Immigration and Justice (SB & C)

JUS 374: The Holocaust, Genocide, and Human Rights

JUS 432: Racial Justice (L)

JUS 477: Youth and Justice (L or SB)

PAF 300: Public Management and Administration

PAF 311: Leadership and Change (SB)

PAF 340: Contemporary Policy Challenges

PAF 410: Building Leadership Skills (SB)

PAF 460: Public Service Ethics

PAF 469: Terrorism Defense

PHI 306: Applied Ethics (HU)

PHI 307: Philosophy of Law (HU)

PHI 336: Social and Political Philosophy (HU)

PHI 360: Business and Professional Ethics (HU)

POS 310: American National Government (SB)

POS 325: Public Policy Development (SB)

POS 364: National Security, Intelligence, and Terrorism (SB)

POS 370: Law and Society (SB)

POS 442: American Political Thought (HU)

POS 471: Constitutional Law I (SB)

POS 472: Constitutional Law II (SB)

PSY 350: Social Psychology (SB)

PSY 366: Abnormal Psychology (SB)

PSY 368: Forensic Psychology

PUP 301: Introduction to Urban Planning (L)

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SGS 340: Violence, Conflict and Human Rights

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SOC 312: Adolescence (SB)

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SOC 332: The Modern City (G)

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SOC 340: The Sociology of Deviance (SB)

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SOC 352: Social Change (SB & G & H)

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STS 364: Science, Technology, and National Security (SB)

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SWU 454: Overview of Addictions

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SWU 456: Immigrants and Refugees (C)

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SWU 457: Southwest Borderland Immigration Issues (C)

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SWU 460: Legal Issues in Social Work

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SWU 498: Prostitution and Sex Trafficking (L)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map



### Nonprofit Leadership and Management, BS



School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPNLMBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 NLM 160: Voluntary Action and Community Leadership (SB)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of NLM 160 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>	
 SOC 101: Introductory Sociology (SB)	3	C		
ASU 101-CPP: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 142: College Mathematics (MA)	3	C		
Interdisciplinary Requirement	3			
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.				
Term hours subtotal:	16			
<hr/>				
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3			
Natural Science - Quantitative (SQ)	4			
Elective	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
<hr/>				
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 NLM 220: Introduction to Nonprofit Organizations	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>	
Computer/Statistics/Quantitative Applications (CS)	3			
Humanities, Arts and Design (HU) AND Global Awareness (G)	3			
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4			
Elective	3			
 Complete Mathematics (MA) requirement. Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
<hr/>				
		Minimum		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
Interdisciplinary Requirement	3		
NLM Elective Area	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>skills</b></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 NLM 300: Fund Raising and Resource Development	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
NLM 310: Volunteer Management	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NLM 380: Financial Management for Nonprofit Organizations	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
NLM 410: Social Entrepreneurship	3	C	
Complete 2 courses:	6	C	
NLM Elective Area			
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NLM 402: Assessment and Evaluation of Community Services	3	C	<ul style="list-style-type: none"> <li>• Successful completion of NLM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Use Handshake to research <b>employment/internship opportunities</b></li> <li>• Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
 NLM 430: Managing Nonprofit Organizations (L)	3	C	
CRD 403: Leadership and Professional Development	3	C	
NLM Elective Area	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NLM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of NLM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of NLM 160, CRD 301, NLM 402, or NLM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 204: Juvenile Justice	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 260: Substantive Criminal Law	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 270: Community Justice (SB)	URB 240: Urban Policy (C)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 201: Criminal Justice Crime Control Policies and Practices		SWU 250: Stress Management Tools I (SB)
CRJ 230: Introduction to Policing		SWU 349: Stress Management Tools II (SB)
CRJ 240: Introduction to Corrections		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	NLM Elective Area (choose 12 credits)	
CPP Elective	ACC 382: Accounting and Financial Analysis	
	COM 259: Communication in Business and the Professions	
	COM 263: Elements of Intercultural Communication (SB & C & G)	
	CSM 485: Sports Events	
	MGT 380: Management and Strategy for Nonmajors	
	NLM 320: Professional Development Seminar	
	NLM 420: Nonprofit Leadership Alliance Institute	
	NLM 435: Service Learning for Community Development	
	PAF 410: Building Leadership Skills (SB)	
	NLM 203: Program Planning	

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PRM 304: Recreation Planning and Facility  
Development (L)

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PRM 364: Foundations of Recreation Therapy  
(SB)

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PRM 486: Special Events Management

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SOC 241: Modern Social Problems (SB)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map



### Nonprofit Leadership and Management (American Indian Studies), BS



School/College: [Watts College of Public Service & Community Solut](#)

Location: [Downtown Phoenix campus](#)



PPNLMAIBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b>	Hours	Minimum Grade	Notes	
AIS 180: Introduction to American Indian Studies (C)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of NLM 160 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>	
NLM 160: Voluntary Action and Community Leadership (SB)	3	C		
ASU 101-CPP: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 142: College Mathematics (MA)	3	C		
Elective	3			
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.				
Term hours subtotal:	16			
<hr/>				
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b>	Hours	Minimum Grade		Notes
CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
SOC 101: Introductory Sociology (SB)	3	C		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3			
Natural Science - Quantitative (SQ)	4			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
<hr/>				
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b>	Hours	Minimum Grade	Notes	
NLM 220: Introduction to Nonprofit Organizations	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>	
Interdisciplinary Requirement	3			
Computer/Statistics/Quantitative Applications (CS)	3			
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4			
Elective	3			
Complete Mathematics (MA) requirement.				
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
<hr/>				
		<b>Minimum</b>		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
AIS 285: Federal Indian Policy (H & C)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NLM 300: Fund Raising and Resource Development	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>skills</b></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
AIS 360: Issues in Urban Indian Country (C)	3	C	
CRD 301: Sustainable Communities	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
NLM 310: Volunteer Management	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NLM 380: Financial Management for Nonprofit Organizations	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
AIS 380: Contemporary Issues of American Indian Nations (C)	3	C	
NLM 410: Social Entrepreneurship	3	C	
NLM Elective Area	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NLM 430: Managing Nonprofit Organizations (L)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of NLM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Use Handshake to research <b>employment/internship opportunities</b></li> <li>• Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
AIS 370: American Indian Languages and Cultures (C) OR AIS 470: Tribal Governance	3	C	
CRD 403: Leadership and Professional Development	3	C	
NLM 402: Assessment and Evaluation of Community Services	3	C	
NLM Elective Area	3	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NLM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of NLM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.



- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion
- Successful completion of NLM 160, CRD 301, NLM 402, or NLM 463 will satisfy the SBL requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 204: Juvenile Justice	PAF 311: Leadership and Change (SB)	
CRJ 260: Substantive Criminal Law	PAF 410: Building Leadership Skills (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 270: Community Justice (SB)	URB 240: Urban Policy (C)	
CRJ 201: Criminal Justice Crime Control Policies and Practices		SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing		SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections		SWU 250: Stress Management Tools I (SB)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 349: Stress Management Tools II (SB)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 456: Immigrants and Refugees (C)
CRJ 309: Criminology (SB)		SWU 458: Behavioral Health Services
CRJ 350: Law and Social Control (SB)		SWU 459: Spirituality and the Helping Professions
		SWU 460: Legal Issues in Social Work
		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	NLM Elective Area (choose 6 credits)	
CPP Elective	ACC 382: Accounting and Financial Analysis	
	COM 259: Communication in Business and the Professions	
	COM 263: Elements of Intercultural Communication (SB & C & G)	
	CSM 485: Sports Events	
	MGT 380: Management and Strategy for Nonmajors	
	NLM 320: Professional Development Seminar	
	NLM 420: Nonprofit Leadership Alliance Institute	
	NLM 435: Service Learning for Community Development	
	PAF 410: Building Leadership Skills (SB)	

NLM 203: Program Planning

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PRM 304: Recreation Planning and Facility  
Development (L)

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PRM 364: Foundations of Recreation Therapy  
(SB)

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PRM 486: Special Events Management

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SOC 241: Modern Social Problems (SB)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Parks and Recreation Management, BS

School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPPRMBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
PRM 203: Program Planning	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses:	6		
Elective			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	

PRM Related Area Elective	3	C
Interdisciplinary Requirement	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Elective	3	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- PRM Related Area Electives - courses may be chosen from one or more PRM Related Area Electives subgroup.
- For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.
- Secure **experience** to continue your 200 career field exploration hours

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>skills</b></li> <li>• PRM 304 - Fall Only</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
★ PRM 304: Recreation Planning and Facility Development (L)	3	C	
PRM 306: Advanced Programming and Facilitation	3	C	
PRM 350: Tourism, Recreation and Sports Marketing	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 302: Inclusive Community Development (SB & C)	3	C	<ul style="list-style-type: none"> <li>• PRM Related Area Electives - courses may be chosen from one or more PRM Related Area Electives subgroup.</li> <li>• Develop your <b>professional online presence</b></li> <li>• PRM 401 - Spring Only</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
PRM 401: Managing Leisure Enterprises	3	C	
Complete 3 courses: Upper Division PRM Related Area Elective	9	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>• PRM Related Area Electives - courses may be chosen from one or more PRM Related Area Electives subgroup.</li> <li>• Successful completion of PRM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Use Handshake to research <b>employment/internship opportunities</b></li> <li>• Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
★ PRM 402: Assessment and Evaluation of Community Services	3	C	
PRM 364: Foundations of Recreation Therapy (SB) OR PRM 380: Wilderness and Parks in America (SB & H)	3	C	
Complete 2 courses: Upper Division PRM Related Area Elective	6	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PRM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of PRM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- In total, six (6) courses must be taken within the PRM Related Area. One (or more) PRM Related Area sub-groups may be completed by choosing coursework listed within each area. Courses from the PRM Related Area group will be used to complete PRM related area. For the Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PRM 203, CRD 301, PRM 402, or PRM 463 will satisfy the SBL Requirement.

#### Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement - Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections		SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	PRM Elective Area: Natural Resource Management	PRM Related Area Electives: Community Recreation
CPP Elective	PRM 340: Outdoor Survival	CSM 201: Introduction to Community Sports
	PRM 370: Public Lands Management	PRM 315: Community Recreation Systems
	PRM 380: Wilderness and Parks in America (SB & H)	PRM 335: Sports and Recreation for Youth Development
	PRM 470: Environmental Communication	PRM 475: Entrepreneurial Recreation and Tourism
	TDM 480: Sustainable Tourism	
PRM Related Area Electives: Special Event Management	PRM Related Area Electives	
PRM 486: Special Events Management	CSM 201: Introduction to Community Sports	
	CSM 407: Ethics and Legal Issues in Sports	

PRM 487: Advanced Special Events Management	CSM 483: Sports Tourism
PRM 488: Event Marketing and Promotion	CSM 485: Sports Events
TDM 345: Meeting and Convention Planning	NLM 300: Fund Raising and Resource Development
	NLM 310: Volunteer Management
	PAF 410: Building Leadership Skills (SB)
	PRM 340: Outdoor Survival
	PRM 364: Foundations of Recreation Therapy (SB)
	PRM 400: Intervention Techniques in Recreation Therapy
	PUP 301: Introduction to Urban Planning (L)
	TDM 205: Introduction to Travel and Tourism (G)
	TDM 350: Tourism, Recreation and Sports Marketing
	TDM 448: Heritage and Cultural Tourism
	PRM 453: Inclusive and Adaptive Sports and Recreation
	PRM 455: Recreational Therapy with Children, Youth and Families

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map



### Parks and Recreation Management (Therapeutic Recreation), BS





School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPPRMTRBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: SWU 183 (term 3) satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.</li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
BIO 160: Introduction to Anatomy and Physiology (SQ)	4		
PSY 101: Introduction to Psychology (SB)	3	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
BIO 201: Human Anatomy and Physiology I (SG)	4	C	
PRM 203: Program Planning	3		
SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3	C	
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		Minimum	

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 CDE 232: Human Development (SB)	3	C	<ul style="list-style-type: none"> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Complete 2 courses:			
Elective	6		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>skills</b></li> <li>PRM 304 - Fall Only</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 PRM 304: Recreation Planning and Facility Development (L)	3	C	
 PRM 364: Foundations of Recreation Therapy (SB)	3	C	
PRM 306: Advanced Programming and Facilitation	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 406: Program Design and Administration in Recreation Therapy	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b></li> <li>PRM 400 PRM 406 and PRM 450 - Spring only</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
CRD 302: Inclusive Community Development (SB & C)	3	C	
PRM 350: Tourism, Recreation and Sports Marketing	3	C	
PRM 400: Intervention Techniques in Recreation Therapy	3	C	
PRM 450: Therapeutic Recreation and Community Health	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 402: Assessment and Evaluation of Community Services	3	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Research <b>employment</b> and <b>internship opportunities</b></li> <li>PRM 460 - Fall only</li> <li>Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
PRM 413: Leadership and Professional Development in Recreation Therapy	3	C	
PRM 460: Assessment & Documentation in Recreation Therapy	3	C	
PRM-Therapeutic Recreation Elective	6	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Solution-Based Learning (SBL) College Requirement:



- Students must complete one SBL course by degree completion.
- Successful completion of PRM 203, CRD 301, PRM 402, or PRM 463 will satisfy the SBL Requirement.

For the Interdisciplinary Requirement:

- SWU 183 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
- Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.

Hide Course List(s)/Track Group(s)

Public Service Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	CPP Elective
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	
CRJ 240: Introduction to Corrections		
CRJ 260: Substantive Criminal Law		
CRJ 270: Community Justice (SB)		
CRJ 305: Gender, Crime, and Criminal Justice (C)		
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		
PRM-Therapeutic Recreation Electives (Choose two courses)		
NLM 300: Fund Raising and Resource Development		
NLM 310: Volunteer Management		
PRM 335: Sports and Recreation for Youth Development		
PRM 380: Wilderness and Parks in America (SB & H)		
PRM 384: Recreational Therapy Practicum		
PRM 440: Advocacy in Therapeutic Recreation		
PRM 450: Leisure and Aging		
PRM 453: Inclusive and Adaptive Sports and Recreation		

PRM 455: Recreational Therapy with  
Children, Youth and Families

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PRM 494: Special Topics

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Public Service and Public Policy, BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPAFBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Cultural Diversity in the U.S. (C)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
<i>Complete 2 courses:</i>			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	

POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR  
SWU OR SGS OR SOS OR HST Elective 3 C

Complete 2 courses:  
Elective 6

Term hours subtotal: 15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Students select one concentration area below and choose concentration courses and concentration electives from the same area.</li> <li>• Develop your professional online presence</li> </ul>
PAF 301: Applied Statistics (CS)	3	C	
Concentration Course	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>• Students select one concentration area below and choose concentration courses and concentration electives from the same area.</li> <li>• Complete an in person or virtual practice interview</li> </ul>
PAF 302: Public Service Research Methods	3	C	
Upper Division Concentration Course	3	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Students select one concentration area below and choose concentration courses and concentration electives from the same area.</li> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
★ PAF 484: Internship	3	Y	
Upper Division Concentration Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	<ul style="list-style-type: none"> <li>• Students select one concentration area below and choose concentration courses and concentration electives from the same area.</li> <li>• Successful completion of the college's Solution-Based Learning (SBL) requirement is expected of each student by degree completion.</li> </ul>
Upper Division Concentration Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

Please choose one of the following concentration areas; students must select classes from the same area. For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)	TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Public Leadership & Management Concentration Courses	Upper Division Concentration Elective (Public Leadership & Management)
CPP Elective	PAF 300: Public Management and Administration	COM Upper Division Elective
	PAF 410: Building Leadership Skills (SB)	HST Upper Division Elective
	PAF 420: Public Leadership	MGT Upper Division Elective
		NLM Upper Division Elective
		POS Upper Division Elective
		PSY Upper Division Elective
Public Policy Concentration Courses	Upper Division Concentration Elective (Public Policy)	Urban Studies Concentration Courses
PAF 470: Topics in Public Economics and Financial Management	CRJ Upper Division Elective	URB 220: Introduction to Urban America
PAF 471: Public Policy Analysis	ECN Upper Division Elective	URB 300: Urban and Metropolitan Studies
URB 240: Urban Policy (C)	JUS Upper Division Elective	URB 305: Urban Governance
	NLM Upper Division Elective	

	POS Upper Division Elective
	PRM Upper Division Elective
	SWU Upper Division Elective
	TDM Upper Division Elective
Upper Division Concentration Elective (Urban Studies)	Solution-Based Learning (SBL) Requirement
GCU Upper Division Elective	CPP 350: Community Works
GPH Upper Division Elective	CPP 353: Community Impact Lab
PUP Upper Division Elective	CRD 301: Sustainable Communities
SOC Upper Division Elective	CRD 435: Service Learning for Community Development
SOS Upper Division Elective	CRJ 317: Inside Out Prison Exchange Program
URB Upper Division Elective	CRJ 394: Comparative Organized Crime
	CRJ 394: The British Roots of U.S. Criminal Justice
	CRJ 455: Police and International Terrorism
	CRJ 456: Etiology of Martyrdom
	NLM 160: Voluntary Action and Community Leadership (SB)
	NLM 435: Service Learning for Community Development
	PAF 484: Internship
	PRM 203: Program Planning
	PRM 315: Community Recreation Systems
	PRM 370: Public Lands Management
	PRM 486: Special Events Management
	SWU 291: Social Service Delivery Systems
	TDM 345: Meeting and Convention Planning

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map

### Public Service and Public Policy, BS

School/College: Watts College of Public Service & Community Solut

Location: Online

PPPAFBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Interdisciplinary Requirement	3		<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups</li> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups</li> </ul>
Interdisciplinary Requirement	3		
Term hours subtotal:	6		



Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
ENG 216: Persuasive Writing on Public Issues (L)	3	C	• Develop your <b>skills</b> .
Natural Science - Quantitative (SQ)	4		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
Term hours subtotal:	6		

Term 4 - B 44 - 50 Credit Hours	Hours	Minimum Grade	Notes
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - A 50 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	• Explore an <b>internship</b> .
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 301: Applied Statistics (CS)	3	C	• Students select one concentration area below and choose concentration courses and concentration electives from the same area.
Concentration Course	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division Concentration Course	3	C	• Students select one concentration area below and choose concentration courses and concentration electives from the same area.
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 302: Public Service Research Methods	3	C	• Develop your <b>professional online presence</b> .
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Solution-Based Learning (SBL) Requirement	3		<ul style="list-style-type: none"> <li>The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>Students select one concentration area below and choose concentration courses and concentration electives from the same area.</li> </ul>
Upper Division Concentration Course	3	C	
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Concentration Elective	3	C	<ul style="list-style-type: none"> <li>Students select one concentration area below and choose concentration courses and concentration electives from the same area.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Term hours subtotal:	3		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

Please choose one of the following concentration areas; students must select classes from the same area.

For the Solution-Based Learning (SBL) College Requirement:

- Choose one class from the SBL course list.
- Students must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)
CRJ 203: Courts and Sentencing	PRM 120: Leisure and the Quality of Life (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 204: Juvenile Justice	PRM 364: Foundations of Recreation Therapy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 260: Substantive Criminal Law	PRM 380: Wilderness and Parks in America (SB & H)	SWU 182: Social Services Perspective of Government (SB)
CRJ 270: Community Justice (SB)	TDM 205: Introduction to Travel and Tourism (G)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 201: Criminal Justice Crime Control Policies and Practices	TDM 458: International Tourism (G)	SWU 250: Stress Management Tools I (SB)
CRJ 230: Introduction to Policing		SWU 349: Stress Management Tools II (SB)
CRJ 240: Introduction to Corrections		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 460: Legal Issues in Social Work
CRJ 309: Criminology (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
CRJ 350: Law and Social Control (SB)		
Interdisciplinary Requirement-Area 4	Public Leadership & Management Concentration Courses	Upper Division Concentration Elective (Public Leadership & Management)
CPP Elective	PAF 300: Public Management and Administration	COM Upper Division Elective
	PAF 410: Building Leadership Skills (SB)	HST Upper Division Elective
	PAF 420: Public Leadership	MGT Upper Division Elective
		NLM Upper Division Elective
		POS Upper Division Elective
		PSY Upper Division Elective
Solution-Based Learning (SBL) Requirement		
CPP 350: Community Works		
CPP 353: Community Impact Lab		
CRD 435: Service Learning for Community Development		
CRJ 394: Comparative Organized Crime		
CRJ 394: The British Roots of U.S. Criminal Justice		
CRJ 455: Police and International Terrorism		

CRJ 456: Etiology of Martyrdom

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PAF 484: Internship

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PRM 203: Program Planning

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PRM 486: Special Events Management

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SWU 291: Social Service Delivery Systems

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TDM 345: Meeting and Convention Planning

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Public Service and Public Policy (American Indian Studies), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPAFAISBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
AIS 180: Introduction to American Indian Studies (C)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
AIS 280: American Indian Sovereignty and the Courts (H & C)	3	C	
AIS 285: Federal Indian Policy (H & C)	3	C	

COM 225: Public Speaking (L)	3	C
Elective	3	
Term hours subtotal:	15	

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	• Develop your professional online presence
PAF 301: Applied Statistics (CS)	3	C	
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual practice interview
AIS 470: Tribal Governance OR AIS Upper Division Elective	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
★ PAF 484: Internship	3	Y	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)
CRJ 203: Courts and Sentencing	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 204: Juvenile Justice	NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective
CRJ 260: Substantive Criminal Law	PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 270: Community Justice (SB)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)
CRJ 230: Introduction to Policing	TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)
CRJ 240: Introduction to Corrections	TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4		
CPP Elective		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Public Service and Public Policy (Business), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPAFBUBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
<i>Complete 2 courses:</i>			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Must have minimum 2.00 ASU Cumulative GPA for MGT 380 in Term 5</li> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	



Cultural Diversity in the U.S. (C)	3
Elective	3
Term hours subtotal:	15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Must have minimum 2.00 ASU Cumulative GPA for ACC 382 and FIN 380 in Term 6</li> <li>• Develop your <b>professional online presence</b></li> </ul>
MGT 380: Management and Strategy for Nonmajors	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>• Must have minimum 2.00 Cumulative GPA for MKT 390 or MKT 395 in Term 7</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
ACC 382: Accounting and Financial Analysis	3	C	
FIN 380: Personal Financial Management	3	C	
PAF 302: Public Service Research Methods	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
★ PAF 484: Internship	3	Y	
MKT 390: Essentials of Marketing OR MKT 395: Essentials of Advertising and Marketing Communication	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)
CRJ 203: Courts and Sentencing	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 204: Juvenile Justice	NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective
CRJ 260: Substantive Criminal Law	PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 270: Community Justice (SB)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)
CRJ 230: Introduction to Policing	TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)
CRJ 240: Introduction to Corrections	TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4		
CPP Elective		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Public Service and Public Policy (Criminology), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPAFCBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• CRJ 100 satisfies part of the college's interdisciplinary requirement.</li> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
<i>Complete 2 courses:</i> Elective	6		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Students can choose one course from any of the three Interdisciplinary areas/track groups.</li> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	
Interdisciplinary Requirement	3		

POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR  
SWU OR SGS OR SOS OR HST Elective

3

C

Cultural Diversity in the U.S. (C)

3

Term hours subtotal: 15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 311: Leadership and Change (SB)

3

C

PAF 301: Applied Statistics (CS)

3

C

Humanities, Arts and Design (HU) AND Global Awareness (G)

3

Complete 2 courses:

Elective

6

Term hours subtotal: 15

- Develop your professional online presence

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 340: Contemporary Policy Challenges

3

C

PAF 302: Public Service Research Methods

3

C

CRJ Upper Division Elective

3

C

Upper Division Elective

3

Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete an in person or virtual practice interview

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 460: Public Service Ethics

3

C

★ PAF 484: Internship

3

Y

CRJ Upper Division Elective

3

C

Upper Division Literacy and Critical Inquiry (L)

3

Upper Division Elective

3

Term hours subtotal: 15

- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 400: Senior Capstone Project

3

C

Complete 3 courses:

Upper Division Elective

9

Term hours subtotal: 12

- For the Interdisciplinary Requirement:

- CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
- Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective	
PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)	
PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)	
TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)	
TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)	
	SWU 458: Behavioral Health Services	
	SWU 459: Spirituality and the Helping Professions	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Public Service and Public Policy (Emergency Management and Homeland Security), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPAFEHBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• CRJ 100 satisfies part of the college's interdisciplinary requirement.</li> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to</li> </ul>
COM 225: Public Speaking (L)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		

Elective

3

Term hours subtotal: 15

complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.

- Explore an **internship**

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
PAF 301: Applied Statistics (CS)	3	C	
PAF 360: Introduction to Emergency Management	3	C	
PAF 461: Homeland Security	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 302: Public Service Research Methods	3	C	<ul style="list-style-type: none"> <li>• For Concentration courses, students must select three courses from the concentration area.</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
★ PAF 340: Contemporary Policy Challenges	3	C	
<i>Complete 2 courses:</i> Upper Division Emergency Management & Homeland Security Concentration Course	6	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
★ PAF 484: Internship	3	Y	
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	12		

- For Emergency Management & Homeland Security Concentration courses, students must select three courses from the concentration area.
- For the Interdisciplinary Requirement:
  - o CRJ 100 satisfies part of the college's interdisciplinary requirement.
  - o Students must choose one additional class from the areas below to complete the requirement.
- For the Solution Based Learning (SBL) College Requirement:

- o PAF 484 satisfies the SBL requirement.
- o Student must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective	
PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)	
PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)	
TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)	
TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)	
	SWU 458: Behavioral Health Services	
	SWU 459: Spirituality and the Helping Professions	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
Emergency Management & Homeland Security Concentration		
CRJ 403: Victims and the Criminal Justice System		
CRJ 409: Police Accountability		
CRJ 412: International Terrorism		
CRJ 417: Cyber Terrorism		
CRJ 419: Domestic Terrorism		
CRJ 422: Violence in America		
PAF 424: Comprehensive Emergency Management		
PAF 425: National Incident Management System (NIMS)		
PAF 468: Simulation and Exercising		
PAF 469: Terrorism Defense		



**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map


### Public Service and Public Policy (Emergency Management and Homeland Security), BS

School/College: [Watts College of Public Service & Community Solut](#)



Location: [Online](#)

PPPAFEHBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
CRJ 100: Introduction to Criminal Justice (SB)	3	C	<ul style="list-style-type: none"> <li>• CRJ 100 satisfies part of the college's interdisciplinary requirement.</li> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 216: Persuasive Writing on Public Issues (L)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">skills</a>.</li> </ul>
Natural Science - Quantitative (SQ)	4		

 Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
Term hours subtotal:	6		



Term 4 - B 44 - 50 Credit Hours	Hours	Minimum Grade	Notes
CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.</li> </ul>
Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 5 - A 50 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 360: Introduction to Emergency Management	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
PAF 302: Public Service Research Methods	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 461: Homeland Security	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Emergency Management & Homeland Security Concentration Course	3	C
Solution-Based Learning (SBL) Requirement	3	
Term hours subtotal:	6	

- The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits.

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	6		

- Complete an in person or virtual **practice interview**.

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Term hours subtotal:	3		

- For Emergency Management & Homeland Security Concentration courses, students must select three courses from the concentration area.
- For the Interdisciplinary Requirement:
  - o CRJ 100 satisfies part of the college's interdisciplinary requirement.
  - o Students must choose one additional class from the areas below to complete the requirement.
- For the Solution Based Learning (SBL) College Requirement:
  - o Choose one class from the SBL course list.
  - o Student must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
PRM 120: Leisure and the Quality of Life (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
PRM 364: Foundations of Recreation Therapy (SB)	SWU 181: Economics: A Social Issues Perspective	
PRM 380: Wilderness and Parks in America (SB & H)	SWU 182: Social Services Perspective of Government (SB)	
TDM 205: Introduction to Travel and Tourism (G)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
TDM 458: International Tourism (G)	SWU 250: Stress Management Tools I (SB)	
	SWU 349: Stress Management Tools II (SB)	
	SWU 456: Immigrants and Refugees (C)	
	SWU 458: Behavioral Health Services	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
Solution-Based Learning (SBL) Requirement	Emergency Management & Homeland Security Concentration	
CPP 350: Community Works	CRJ 403: Victims and the Criminal Justice System	
CPP 353: Community Impact Lab	CRJ 409: Police Accountability	
CRD 435: Service Learning for Community Development	CRJ 412: International Terrorism	
CRJ 394: Comparative Organized Crime	CRJ 417: Cyber Terrorism	
CRJ 394: The British Roots of U.S. Criminal Justice	CRJ 419: Domestic Terrorism	
CRJ 455: Police and International Terrorism	CRJ 422: Violence in America	
CRJ 456: Etiology of Martyrdom	PAF 424: Comprehensive Emergency Management	
PAF 484: Internship	PAF 425: National Incident Management System (NIMS)	
PRM 203: Program Planning	PAF 468: Simulation and Exercising	
PRM 486: Special Events Management	PAF 469: Terrorism Defense	
SWU 291: Social Service Delivery Systems		
TDM 345: Meeting and Convention Planning		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Public Service and Public Policy (Health Policy), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPAFHPBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Cultural Diversity in the U.S. (C)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	

POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR  
SWU OR SGS OR SOS OR HST Elective

3

C

Complete 2 courses:  
Elective

6

Term hours subtotal: 15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 311: Leadership and Change (SB)

3

C

HCD 210: Cultural Aspects of Health (C)

3

C

PAF 301: Applied Statistics (CS)

3

C

Complete 2 courses:  
Elective

6

Term hours subtotal: 15

- Develop your professional online presence

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 340: Contemporary Policy Challenges

3

C

HCD 340: Complementary Health Care

3

C

PAF 302: Public Service Research Methods

3

C

Health Policy Concentration Elective

3

C

Upper Division Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness  
(G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete an in person or virtual practice interview

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 460: Public Service Ethics

3

C

★ PAF 484: Internship

3

Y

Upper Division Health Policy Concentration Elective

3

C

Upper Division Literacy and Critical Inquiry (L)

3

Upper Division Elective

3

Term hours subtotal: 15

- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 400: Senior Capstone Project

3

C

Complete 3 courses:

9

Upper Division Elective

Term hours subtotal: 12

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.



Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)
CRJ 203: Courts and Sentencing	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 204: Juvenile Justice	NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective
CRJ 260: Substantive Criminal Law	PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 270: Community Justice (SB)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)
CRJ 230: Introduction to Policing	TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)
CRJ 240: Introduction to Corrections	TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Health Policy Concentration Electives	
CPP Elective	HCD 304: Health Care Finance	
	HCD 410: Supporting the Health of Older Adults	
	HCD 412: Health Issues in Later Life	
	HST 301: Global History of Health (SB & G & H)	
	SOC 424: Women and Health (SB)	
	SOC 427: Sociology of Health and Illness (SB)	
	SOS 414: Urban and Environmental Health (SB)	
	TCL 327: Health and Migration (SB)	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Public Service and Public Policy (Law and Policy), BS

School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPPAFLPBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• CRJ 100 satisfies part of the college's interdisciplinary requirement.</li> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Elective	6		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your skills</li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <a href="#">internship</a></li> </ul>
COM 225: Public Speaking (L)	3	C	
CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	
LAW 210: Introduction to American Legal System and Business Law	3	C	
Cultural Diversity in the U.S. (C) ( URB 240 recommended)	3		

Term hours subtotal: 15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.</li> <li>Develop your <b>professional online presence</b></li> </ul>
PAF 301: Applied Statistics (CS)	3	C	
Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual <b>practice interview</b></li> </ul>
PAF 302: Public Service Research Methods	3	C	
Upper Division Law & Policy Concentration Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
★ PAF 484: Internship	3	Y	
Complete 2 courses:			
Upper Division Law & Policy Concentration Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3	Interdisciplinary Requirement-Area 4
CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective	
PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)	
PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)	
TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)	
TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)	
	SWU 458: Behavioral Health Services	
	SWU 459: Spirituality and the Helping Professions	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
<b>Law &amp; Policy Concentration Electives</b>		
CRJ 350: Law and Social Control (SB)		
CRJ 410: Procedural Criminal Law		
CRJ 470: Discretionary Justice (L or SB)		
LAW 310: The Global Legal Community		
LAW 394: Regulatory Policy in American Business		
LAW 480: The Law of Business Organizations		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map


### Public Service and Public Policy (Nonprofit Leadership and Management), BS

School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPANLMBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>NLM 160 satisfies part of the college's interdisciplinary requirement.</li> <li>Successful completion of NLM 160 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>ASU 101 is for ASU freshman students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NLM 160: Voluntary Action and Community Leadership (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	13		

Term 4 45 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: NLM 160 satisfies part of the college's interdisciplinary requirement. Students must</li> </ul>
COM 225: Public Speaking (L)	3	C	
Interdisciplinary Requirement	3		

POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C
Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
Elective	3	
Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	18	

choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.

- Explore an **internship**

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	• Develop your <b>professional online presence</b>
CRD 210: Community Services and Professions	3	C	
NLM 220: Introduction to Nonprofit Organizations	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual <b>practice interview</b>
NLM 300: Fund Raising and Resource Development	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
★ PAF 484: Internship	3	Y	
NLM 430: Managing Nonprofit Organizations (L) OR NLM 310: Volunteer Management OR NLM 410: Social Entrepreneurship	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement: Students must complete one SBL course by degree completion.
  - NLM 160 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups.
- Successful



For the Solution-Based Learning (SBL) College  
Requirement:

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
CRJ 203: Courts and Sentencing	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
CRJ 204: Juvenile Justice		
CRJ 260: Substantive Criminal Law	SWU 181: Economics: A Social Issues Perspective	
CRJ 270: Community Justice (SB)		
CRJ 201: Criminal Justice Crime Control Policies and Practices	SWU 182: Social Services Perspective of Government (SB)	
CRJ 230: Introduction to Policing	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
CRJ 240: Introduction to Corrections	SWU 250: Stress Management Tools I (SB)	
CRJ 305: Gender, Crime, and Criminal Justice (C)	SWU 349: Stress Management Tools II (SB)	
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	SWU 456: Immigrants and Refugees (C)	
CRJ 309: Criminology (SB)	SWU 458: Behavioral Health Services	
CRJ 350: Law and Social Control (SB)	SWU 459: Spirituality and the Helping Professions	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Public Service and Public Policy (Parks and Recreation Management), BS

School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPPAPRMBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
PRM 120: Leisure and the Quality of Life (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: PRM 120 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.</li> <li>• Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Interdisciplinary Requirement	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR URB OR JUN OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		

Elective	3
Term hours subtotal: 15	

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>professional online presence</b></li> </ul>
PAF 301: Applied Statistics (CS)	3	C	
PRM 203: Program Planning	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal: 15			

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
PAF 302: Public Service Research Methods	3	C	
PRM 315: Community Recreation Systems OR PRM 370: Public Lands Management OR PRM 380: Wilderness and Parks in America (SB & H) OR PRM 486: Special Events Management	3	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal: 15			

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
★ PAF 484: Internship	3	Y	
PRM 315: Community Recreation Systems OR PRM 370: Public Lands Management OR PRM 380: Wilderness and Parks in America (SB & H) OR PRM 486: Special Events Management	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal: 15			

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal: 12			

- For the Interdisciplinary Requirement:
  - PRM 120 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.

- Successful completion of PRM 203 or PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
CRJ 203: Courts and Sentencing	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
CRJ 204: Juvenile Justice		
CRJ 260: Substantive Criminal Law	SWU 181: Economics: A Social Issues Perspective	
CRJ 270: Community Justice (SB)		
CRJ 201: Criminal Justice Crime Control Policies and Practices	SWU 182: Social Services Perspective of Government (SB)	
CRJ 230: Introduction to Policing	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
CRJ 240: Introduction to Corrections	SWU 250: Stress Management Tools I (SB)	
CRJ 305: Gender, Crime, and Criminal Justice (C)	SWU 349: Stress Management Tools II (SB)	
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	SWU 456: Immigrants and Refugees (C)	
CRJ 309: Criminology (SB)	SWU 458: Behavioral Health Services	
CRJ 350: Law and Social Control (SB)	SWU 459: Spirituality and the Helping Professions	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Public Service and Public Policy (Science and Technology Policy), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPAFSTBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment Score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Cultural Diversity in the U.S. (C)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	

POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR  
SWU OR SGS OR SOS OR HST Elective

3

C

Complete 2 courses:

Elective

6

Term hours subtotal: 15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 311: Leadership and Change (SB)

3

C

PAF 301: Applied Statistics (CS)

3

C

PAF 350: Introduction to Science & Technology Policy

3

C

Complete 2 courses:

Elective

6

Term hours subtotal: 15

- Develop your professional online presence

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 340: Contemporary Policy Challenges

3

C

PAF 302: Public Service Research Methods

3

C

Complete 2 courses:

Upper Division Science & Technology Concentration Elective

6

C

Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete an in person or virtual practice interview

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 460: Public Service Ethics

3

C

★ PAF 484: Internship

3

Y

Upper Division Science & Technology Concentration Elective

3

C

Upper Division Literacy and Critical Inquiry (L)

3

Elective

3

Term hours subtotal: 15

- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PAF 400: Senior Capstone Project

3

C

Complete 3 courses:

Upper Division Elective

9

Term hours subtotal: 12

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)
CRJ 203: Courts and Sentencing	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 204: Juvenile Justice	NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective
CRJ 260: Substantive Criminal Law	PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 270: Community Justice (SB)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)
CRJ 230: Introduction to Policing	TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)
CRJ 240: Introduction to Corrections	TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Science & Technology Concentration Electives	
CPP Elective	ASB 344: Technology and Society (L or SB)	
	BIO 312: Bioethics (HU)	
	GPH 314: Global Change (HU & G)	
	JUS 494: Science, Technology, & Inequality	
	POS 300: Contemporary Global Controversies (SB & G)	
	POS 364: National Security, Intelligence, and Terrorism (SB)	
	POS 394: Global Environmental Politics	
	POS 394: Technology and International Politics	
	POS 494: Technology & Development in the European Union	
	POS 494: Technology & Development in the Middle East	
	POS 494: Technology and Development in Latin America	

POS 494: Technology and Development in  
North Africa

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POS 494: Technology and Development in  
Zones of Conflict

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POS 494: Technology, Industry &  
Management in China

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STS 318: Science, Technology, and  
Government (SB)

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STS 325: Science, Technology, and Public  
Policy (SB)

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WST 340: Gender, Science, and Technology  
(SB)

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Public Service and Public Policy (Social Services Delivery), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPAFSSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• SWU 171 satisfies part of the college's interdisciplinary requirement.</li> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHI 101: Introduction to Philosophy (HU)	3	C	
SWU 171: Introduction to Social Work (SB & H)	3	C	
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
SWU 291: Social Service Delivery Systems	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
COM 225: Public Speaking (L)	3	C	
SWU 295: Foundations of Social Work Practice (SB & C)	3	C	
Interdisciplinary Requirement	3		

Elective	3
Term hours subtotal:	15

- For the Interdisciplinary Requirement: SWU 171 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.
- Explore an [internship](#)

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	• Develop your <a href="#">professional online presence</a>
PAF 301: Applied Statistics (CS)	3	C	
SWU 306: Ethics in Social Services (L)	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual <a href="#">practice interview</a>
PAF 302: Public Service Research Methods	3	C	
SWU 311: Integrative Social Work Practice	3	C	
SWU 312: Integrative Social Work Practice Skills	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
★ PAF 484: Internship	3	Y	
SWU 303: Micro Human Behavior and the Social Environment (L or SB)	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:

- SWU 171 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
- Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291 or PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CSM 201: Introduction to Community Sports	CPP Elective
CRJ 203: Courts and Sentencing	NLM 160: Voluntary Action and Community Leadership (SB)	
CRJ 204: Juvenile Justice	NLM 220: Introduction to Nonprofit Organizations	
CRJ 260: Substantive Criminal Law	PRM 120: Leisure and the Quality of Life (SB)	
CRJ 270: Community Justice (SB)	PRM 364: Foundations of Recreation Therapy (SB)	
CRJ 201: Criminal Justice Crime Control Policies and Practices	PRM 380: Wilderness and Parks in America (SB & H)	
CRJ 230: Introduction to Policing	TDM 205: Introduction to Travel and Tourism (G)	
CRJ 240: Introduction to Corrections	TDM 458: International Tourism (G)	
CRJ 305: Gender, Crime, and Criminal Justice (C)		
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Public Service and Public Policy (Sustainability), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPPAFSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
SOS 110: Sustainable World (SB)	3	C	
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	

POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C
Cultural Diversity in the U.S. (C)	3	
Elective	3	
Term hours subtotal:	15	

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	• Develop your professional online presence
PAF 301: Applied Statistics (CS)	3	C	
Complete 3 courses:	9		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual practice interview
PAF 302: Public Service Research Methods	3	C	
Complete 2 courses:	6	C	
Upper Division Sustainability Concentration Elective	6	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
★ PAF 484: Internship	3	Y	
Upper Division Sustainability Concentration Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Complete 3 courses:	9		
Upper Division Elective	3		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of PAF 484 will satisfy the SBL Requirement.

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	SWU 171: Introduction to Social Work (SB & H)	CSM 201: Introduction to Community Sports
CRJ 201: Criminal Justice Crime Control Policies and Practices	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	NLM 160: Voluntary Action and Community Leadership (SB)
CRJ 203: Courts and Sentencing	SWU 181: Economics: A Social Issues Perspective	NLM 220: Introduction to Nonprofit Organizations
CRJ 204: Juvenile Justice	SWU 182: Social Services Perspective of Government (SB)	PRM 120: Leisure and the Quality of Life (SB)
CRJ 230: Introduction to Policing	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	PRM 364: Foundations of Recreation Therapy (SB)
CRJ 240: Introduction to Corrections	SWU 250: Stress Management Tools I (SB)	PRM 380: Wilderness and Parks in America (SB & H)
CRJ 260: Substantive Criminal Law	SWU 349: Stress Management Tools II (SB)	TDM 205: Introduction to Travel and Tourism (G)
CRJ 270: Community Justice (SB)	SWU 456: Immigrants and Refugees (C)	TDM 458: International Tourism (G)
CRJ 305: Gender, Crime, and Criminal Justice (C)	SWU 458: Behavioral Health Services	
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	SWU 459: Spirituality and the Helping Professions	
CRJ 309: Criminology (SB)	SWU 460: Legal Issues in Social Work	
CRJ 350: Law and Social Control (SB)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
Interdisciplinary Requirement-Area 4	Sustainability Concentration Electives	
CPP Elective	SOS 320: Society and Sustainability (L or SB)	
	SOS 321: Policy and Governance in Sustainable Systems	
	SOS 322: International Development and Sustainability	
	SOS 323: Sustainable Urban Dynamics	
	SOS 324: Sustainable Energy Technology and Systems	
	SOS 325: The Economics of Sustainability	
	SOS 326: Sustainable Ecosystems	
	SOS 327: Sustainable Food and Farms	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.












## 2019 - 2020 Major Map

### Recreation Therapy, BS



School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPRECTBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: SWU 183 (term 3) satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement, Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.</li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
EXW 101: Foundations in Exercise Science and Wellness	3		
Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 CRD 210: Community Services and Professions	3	C	
BIO 160: Introduction to Anatomy and Physiology (SQ)	4		
PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
BIO 201: Human Anatomy and Physiology I (SG)	4	C	
PRM 203: Program Planning	3		
SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	





Term 4 48 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 CDE 232: Human Development (SB)	3	C	<ul style="list-style-type: none"> <li>Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	5		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 304: Recreation Planning and Facility Development (L)	3	C	<ul style="list-style-type: none"> <li>PRM 304 - Fall only</li> <li>Develop your <b>skills</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
EXW 315: Physiological Foundations of Movement AND EXW 316: Physiological Foundations of Movement Laboratory	4		
PRM 306: Advanced Programming and Facilitation	3	C	
PRM 364: Foundations of Recreation Therapy (SB)	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>professional online presence</b></li> <li>PRM 400, PRM 406 and PRM 450 - Spring only</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 PRM 406: Program Design and Administration in Recreation Therapy	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
PRM 400: Intervention Techniques in Recreation Therapy	3	C	
PRM 450: Therapeutic Recreation and Community Health	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 402: Assessment and Evaluation of Community Services	3	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Use Handshake to research <b>employment/internship opportunities</b></li> <li>PRM 460 - Fall only</li> <li>Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
PRM 384: Recreational Therapy Practicum	3	C	
PRM 413: Leadership and Professional Development in Recreation Therapy	3	C	
PRM 460: Assessment & Documentation in Recreation Therapy	3	C	
PRM-TR Elective	3	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of PRM 203, CRD 301, PRM 402, or PRM 463 will satisfy the SBL Requirement.

For the Interdisciplinary Requirement:

- SWU 183 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
- Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.

Hide Course List(s)/Track Group(s)

Public Service Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	CPP Elective
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	
CRJ 240: Introduction to Corrections		
CRJ 260: Substantive Criminal Law		
CRJ 270: Community Justice (SB)		
CRJ 305: Gender, Crime, and Criminal Justice (C)		
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		
PRM-TR Elective (Choose one course)		
PRM 455: Recreational Therapy with Children, Youth and Families		
NLM 300: Fund Raising and Resource Development		
NLM 310: Volunteer Management		
PRM 335: Sports and Recreation for Youth Development		
PRM 380: Wilderness and Parks in America (SB & H)		
PRM 494: Special Topics		
PRM 453: Inclusive and Adaptive Sports and Recreation		
PRM 440: Advocacy in Therapeutic Recreation		

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PRM 350: Tourism, Recreation and Sports  
Marketing

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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map




### Social Work, BSW



School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus, West campus, ASU@Tucson  
PPSWUSWU

**The Tucson location option is only available to transfer students.**

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SWU 171: Introduction to Social Work (SB & H)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
 PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU) OR PHI 105: Intro to Ethics (HU) OR SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3		<ul style="list-style-type: none"> <li>Cultural Diversity Sequence - any course at ASU that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>By the end of term four, students should have completed the following requirements:               <ol style="list-style-type: none"> <li>ECN 211 or SWU 181</li> <li>PHI 101 or PHI 105 or SWU 183</li> <li>POS 110 or SWU 182</li> </ol> </li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR SWU 181: Economics: A Social Issues Perspective	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity Sequence OR Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4-3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17-16		

Term 3 33 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR SWU 182: Social Services Perspective of Government (SB)	3		<ul style="list-style-type: none"> <li>Cultural Diversity Sequence - any course at ASU that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

Cultural Diversity Sequence OR  
 Second Language: Requirement satisfied through the following: 4-3  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Elective 3-4

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

• By the end of term four, students should have completed the following requirements:

1. ECN 211 or SWU 181
2. PHI 101 or PHI 105 or SWU 183
3. POS 110 or SWU 182

• Develop your **skills**.

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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❗ SWU 291: Social Service Delivery Systems 3 C

❗ SWU 295: Foundations of Social Work Practice (SB & C) 3 C

Cultural Diversity Sequence OR  
 Second Language: Requirement satisfied through the following: 4-3  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Humanities, Arts and Design (HU) AND Global Awareness (G) 3

Elective 2-3

Maintain 2.50 GPA in Major Courses.

Minimum 2.00 GPA ASU Cumulative.

❗ Complete ECN 211 OR SWU 181 course.

Term hours subtotal: 15

- Cultural Diversity Sequence - any course at ASU that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.
- Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SWU 306: Ethics in Social Services (L) 3 C

★ SWU 311: Integrative Social Work Practice 3 C

★ SWU 312: Integrative Social Work Practice Skills 3 C

SWU 302: Human Biology for Social Workers 3

Cultural Diversity Sequence OR  
 Second Language: Requirement satisfied through the following: 4-3  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Milestone: Apply for Level 1 fingerprint clearance card.

Maintain 3.00 GPA in Major Courses.

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16-15

- Students who have already completed a human biology course may take an upper division elective in place of SWU 302. See your advisor for permission.
- Cultural Diversity Sequence - any course at ASU that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.
- Develop your **professional online presence**.

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SWU 303: Micro Human Behavior and the Social Environment (L or SB) 3 C

★ SWU 340: Macro Human Behavior and the Social Environment (SB) 3 C

★ SWU 374: Diversity and Oppression in a Social Work Context (C) 3 C

SWU 321: Statistics for Social Workers (CS) 3

Interdisciplinary Requirement 3

★ Milestone: Completion of all lower-division university general studies requirements.

★ Milestone: Submit materials for BSW advancement.

- BSW Advancement: Successful completion of:  
 SWU 171  
 SWU 295  
 SWU 291  
 SWU 311  
 SWU 312  
 Documented completion of 40 hours human services experience,  
 Level 1 Fingerprint Clearance Card,  
 Signed Standards of Professional and Ethical Behavior form.

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Maintain 3.00 GPA in Major Courses.

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 15

- For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.
- Use Handshake to research **employment opportunities**.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SWU 320: Research Methods in Social Work	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 412 will satisfy the college Solution-Based Learning (SBL) Requirement.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> <li>• To maintain BSW Professional Program status, students must sustain an overall GPA of 2.0 and SW GPA of 2.75 with no grade lower than a C.</li> </ul>
★ SWU 410: Social Work Practice II	3	C	
★ SWU 412: Field Instruction I	3	C	
★ SWU 413: Field Instruction Seminar	3	C	
★ SWU 432: Social Policy and Services	3	C	
Maintain 2.75 GPA in Major Courses.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SWU 411: Social Work Practice III	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 414 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• To maintain BSW Professional Program status, students must sustain an overall GPA of 2.0 and SW GPA of 2.75 with no grade lower than a C.</li> </ul>
★ SWU 414: Field Instruction II	3	C	
★ SWU 415: Integrative Field Seminar	3	C	
SWU 416: Domestic Violence and National AmeriCorps Service OR SWU 417: Technology, Interpersonal Relationships and Abuse OR SWU 418: Global Violence Against Women OR SWU 442: Introduction to Practice with Children and Families in Child Welfare OR SWU 454: Overview of Addictions OR SWU 456: Immigrants and Refugees (C) OR SWU 457: Southwest Borderland Immigration Issues (C) OR SWU 458: Behavioral Health Services OR SWU 459: Spirituality and the Helping Professions OR SWU 460: Legal Issues in Social Work OR SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) OR SWU 462: Global Social Welfare OR SWU 488: Advocacy Strategies OR SWU 498: Pro-Seminar (L)	3	C	
Maintain 2.75 GPA in Major Courses.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291, SWU 412, or SWU 414 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
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CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	CSM 201: Introduction to Community Sports
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	NLM 160: Voluntary Action and Community Leadership (SB)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	NLM 220: Introduction to Nonprofit Organizations
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	PRM 120: Leisure and the Quality of Life (SB)
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	PRM 364: Foundations of Recreation Therapy (SB)
CRJ 240: Introduction to Corrections		PRM 380: Wilderness and Parks in America (SB & H)
CRJ 260: Substantive Criminal Law		TDM 205: Introduction to Travel and Tourism (G)
CRJ 270: Community Justice (SB)		TDM 458: International Tourism (G)
CRJ 305: Gender, Crime, and Criminal Justice (C)		
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		
Interdisciplinary Requirement-Area 4		
CPP Elective		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.75 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Tourism Development and Management, BS

School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPTDMBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
Interdisciplinary Requirement	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes



COM 225: Public Speaking (L)	3	C
TDM Elective Area	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Complete 2 courses: Elective	6	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

- Secure **experience** to continue your 200 career field exploration hours

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 or TDM 372 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>skills</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
★ TDM 372: Tourism Planning (L)	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
TDM 350: Tourism, Recreation and Sports Marketing	3	C	
TDM Elective Area	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 458: International Tourism (G)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
TDM 480: Sustainable Tourism	3	C	
Complete 3 courses: TDM Elective Area	9	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Use Handshake to research <b>employment opportunities</b></li> <li>Secure; <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
★ TDM 402: Assessment and Evaluation of Community Services	3	C	
TDM 401: Tourism Management	3	C	
Upper Division TDM Elective Area	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.

- Successful completion of CRD 301, TDM 372, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement - Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections		SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Tourism Development and Management Electives	Interdisciplinary Requirement-Area 4	
CSM 201: Introduction to Community Sports	CPP Elective	
CSM 483: Sports Tourism		
CSM 485: Sports Events		
PAF 410: Building Leadership Skills (SB)		
PRM 304: Recreation Planning and Facility Development (L)		
PRM 470: Environmental Communication		
TDM 475: Entrepreneurial Recreation and Tourism		
PRM 486: Special Events Management		
TDM 225: Introduction to Resort and Hotel Management		
TDM 345: Meeting and Convention Planning		
TDM 386: Convention Sales and Management		

TDM 415: Tourism Transportation Systems

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TDM 448: Heritage and Cultural Tourism

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TDM 481: Sustainable Food Management in  
Tourism

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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map

### Tourism Development and Management (Meetings and Events), BS

School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPTDMMEBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>• Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> </ul>
Interdisciplinary Requirement	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
PRM 203: Program Planning	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		

Elective 3

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 301: Sustainable Communities	3	C	• Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement • Develop your skills
★ TDM 372: Tourism Planning (L)	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
PRM 486: Special Events Management	3	C	
TDM 350: Tourism, Recreation and Sports Marketing	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 458: International Tourism (G)	3	C	• Develop your professional online presence
PRM 487: Advanced Special Events Management	3		
TDM 345: Meeting and Convention Planning	3	C	
Complete 2 courses:			
TDM Meetings and Events Concentration Elective	6	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	• Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement • Research employment and internship opportunities
★ TDM 402: Assessment and Evaluation of Community Services	3	C	
TDM 401: Tourism Management	3	C	
TDM 480: Sustainable Tourism	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 463: Senior Internship	12	C	• Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections		SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	TDM Meetings and Events Concentration Electives (choose two)	
CPP Elective	PRM 422: Entertainment, Protocol, and Programming for Special Events	
	PRM 423: Special Event On-Site Operations	
	PRM 427: Revenue Generation for Special Event Management	
	TDM 386: Convention Sales and Management	
	TDM 481: Sustainable Food Management in Tourism	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Tourism Development and Management (Resort and Hotel Leadership), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPTDMRBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: PAF 410 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.</li> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Interdisciplinary Requirement Course	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
TDM 225: Introduction to Resort and Hotel Management	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses:			



Elective 6

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"><li>• Successful completion of CRD 301 or TDM 372 will satisfy the college Solution-Based Learning (SBL) Requirement</li><li>• Develop your <b>skills</b></li><li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li></ul>
★ TDM 372: Tourism Planning (L)	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
TDM 350: Tourism, Recreation and Sports Marketing	3	C	
Upper Division Resort and Hotel Leadership Elective	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 481: Sustainable Food Management in Tourism	3	C	<ul style="list-style-type: none"><li>• PAF 410 satisfies part of the college's Interdisciplinary requirement.</li><li>• Develop your <b>professional online presence</b></li><li>• TDM 481 &amp; TDM 482 - Spring Only</li><li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li></ul>
PAF 410: Building Leadership Skills (SB)	3	C	
TDM 482: Sustainable Revenue Management	3	C	
Upper Division Resort and Hotel Leadership Elective	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"><li>• Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li><li>• Research <b>employment and internship opportunities</b></li><li>• Secure <b>experience</b> to complete your 200 career field exploration hours</li></ul>
★ TDM 402: Assessment and Evaluation of Community Services	3	C	
TDM 401: Tourism Management	3	C	
TDM 458: International Tourism (G)	3	C	
TDM 480: Sustainable Tourism	3	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 463: Senior Internship	12	C	<ul style="list-style-type: none"><li>• Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li></ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - PAF 410 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, TDM 372, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
CRJ 201: Criminal Justice Crime Control Policies and Practices	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
CRJ 203: Courts and Sentencing	SWU 181: Economics: A Social Issues Perspective	
CRJ 204: Juvenile Justice	SWU 182: Social Services Perspective of Government (SB)	
CRJ 230: Introduction to Policing	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
CRJ 240: Introduction to Corrections	SWU 250: Stress Management Tools I (SB)	
CRJ 260: Substantive Criminal Law	SWU 349: Stress Management Tools II (SB)	
CRJ 270: Community Justice (SB)	SWU 456: Immigrants and Refugees (C)	
CRJ 305: Gender, Crime, and Criminal Justice (C)	SWU 458: Behavioral Health Services	
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	SWU 459: Spirituality and the Helping Professions	
CRJ 309: Criminology (SB)	SWU 460: Legal Issues in Social Work	
CRJ 350: Law and Social Control (SB)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
<b>Resort and Hotel Leadership Electives</b>		
LES 305: Business Law and Ethics for Managers		
MGT 380: Management and Strategy for Nonmajors		
PRM 475: Entrepreneurial Recreation and Tourism		
PRM 486: Special Events Management		
TDM 345: Meeting and Convention Planning		
TDM 386: Convention Sales and Management		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Tourism Development and Management (Sustainable Tourism), BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPTDMSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> </ul>
SOS 100: Introduction to Sustainability (G)	3	C	
Interdisciplinary Requirement	3		
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
Sustainable Tourism Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Elective	3
Minimum 2.50 GPA ASU Cumulative.	
Term hours subtotal:	16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 or TDM 372 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your skills</li> </ul>
★ TDM 372: Tourism Planning (L)	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability	3	C	
TDM 350: Tourism, Recreation and Sports Marketing	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 481: Sustainable Food Management in Tourism	3	C	<ul style="list-style-type: none"> <li>• Develop your professional online presence</li> <li>• TDM 481 - Spring Only</li> </ul>
TDM 448: Heritage and Cultural Tourism	3	C	
TDM 458: International Tourism (G)	3	C	
TDM 480: Sustainable Tourism	3	C	
Upper Division Upper Division Sustainable Tourism Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>• Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Research employment and internship opportunities</li> </ul>
★ TDM 402: Assessment and Evaluation of Community Services	3	C	
TDM 401: Tourism Management	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.

- Successful completion of CRD 301, TDM 372, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement - Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections		SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Sustainable Tourism Electives	
CPP Elective	PRM 370: Public Lands Management	
	PRM 470: Environmental Communication	
	TDM 475: Entrepreneurial Recreation and Tourism	
	TDM 225: Introduction to Resort and Hotel Management	
	TDM 394: Special Topics	
	TDM 415: Tourism Transportation Systems	
	TDM 483: Sports Tourism	
	TDM 494: Special Topics	

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Tourism and Recreation Management, BS





School/College: Watts College of Public Service & Community Solut



Location: ASU@Lake Havasu

PPTRMBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>• <b>Network</b> in your career interest area</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 210: Leisure Delivery Systems	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 203: Program Planning	3	C	
Emphasis Core Course	3	C	
Interdisciplinary Requirement	3		



Elective	6
Term hours subtotal:	15

- Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement
- For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.
- Students select one emphasis area below and choose core courses and emphasis electives from the same area. Students must select one of the following four emphases:  
Events  
Tourism  
Recreation  
Sport

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 302: Inclusive Community Development (SB & C)	3	C	• Develop your skills
★ PRM 380: Wilderness and Parks in America (SB & H)	3	C	
★ Upper Division Literacy and Critical Inquiry (L)	3	C	
CRD 350: Tourism, Recreation and Sports Marketing	3	C	
Emphasis Core Course	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 401: Managing Leisure Enterprises	3	C	• Students select one emphasis area below and choose core courses and emphasis electives from the same area. • Develop your professional online presence
★ Complete 2 courses:	6	C	
Upper Division Emphasis Elective Course			
PRM 310: Volunteer Management	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	• Successful completion of CRD 402 will satisfy the college Solution-Based Learning (SBL) Requirement • Students select one emphasis area below and choose core courses and emphasis electives from the same area. • Use Handshake to research employment and internship opportunities
★ Upper Division Emphasis Elective Course	3	C	
★ Emphasis Core Course	3	C	
CRD 402: Assessment and Evaluation of Community Services	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
PRM 484: Internship or TDM 484: Internship or CSM 484: Internship OR CRD 435: Service Learning for Community Development AND Additional Emphasis Elective	6	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 484, TDM 484, CSM 484, or CRD 435 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

• For the Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PRM 203, CRD 402, TDM 484, PRM 484, CSM 484 or CRD 435 will satisfy the SBL requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	URB 240: Urban Policy (C)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections		SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Events Emphasis Core Courses (grade of "C" required)	Recreation Emphasis Core Courses (grade of "C" required)
CPP Elective	PRM 486: Special Events Management	PRM 201: Introduction to Community Sports

	PRM 487: Advanced Special Events Management	PRM 364: Foundations of Recreation Therapy (SB)
	PRM 488: Event Marketing and Promotion	PRM 475: Entrepreneurial Recreation and Tourism
Sport Emphasis Core Courses (grade of "C" required)	Events Emphasis Elective Courses (choose 3 courses; grade of "C" required)	Recreation Emphasis Elective Courses (choose 3 courses; grade of "C" required)
CSM 201: Introduction to Community Sports	CSM 483: Sports Tourism	PRM 485: Sports Events
CSM 483: Sports Tourism	CSM 485: Sports Events	PRM 486: Special Events Management
CSM 485: Sports Events	PRM 475: Entrepreneurial Recreation and Tourism	PRM 487: Advanced Special Events Management
	TDM 345: Meeting and Convention Planning	PRM 488: Event Marketing and Promotion
	TDM 386: Convention Sales and Management	TDM 448: Heritage and Cultural Tourism
		TDM 480: Sustainable Tourism
Sport Emphasis Elective Courses (choose 3 courses; grade of "C" required)	Tourism Emphasis Core Course (grade of "C" required)	Tourism Emphasis Elective Courses (choose 3 courses; grade of "C" required)
PRM 364: Foundations of Recreation Therapy (SB)	TDM 225: Introduction to Resort and Hotel Management	PRM 486: Special Events Management
PRM 487: Advanced Special Events Management	TDM 458: International Tourism (G)	TDM 345: Meeting and Convention Planning
PRM 488: Event Marketing and Promotion	TDM 480: Sustainable Tourism	TDM 386: Convention Sales and Management
TDM 458: International Tourism (G)		TDM 448: Heritage and Cultural Tourism
TDM 475: Entrepreneurial Recreation and Tourism		TDM 475: Introduction to Resort and Hotel Management
		TDM 483: Sports Tourism

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.











## 2019 - 2020 Major Map



### Tourism and Recreation Management, BS



School/College: Watts College of Public Service & Community Solut




Location: Online



PPTRMBS



Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - A 14 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 210: Leisure Delivery Systems	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	6		
Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 27 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>• Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		
Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>• Consider combining your electives into one of the online minors. Suggestions include: <ul style="list-style-type: none"> <li>Anthropology</li> <li>Business</li> <li>Organizational Leadership</li> </ul> </li> </ul>
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 203: Program Planning	3	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 302: Inclusive Community Development (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
 PRM 380: Wilderness and Parks in America (SB & H)	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Emphasis Core Course	3	C	<ul style="list-style-type: none"> <li>Students select one emphasis area below and choose core courses and emphasis electives from the same area. Students must select one of the following four emphases: <ul style="list-style-type: none"> <li>Events</li> <li>Tourism</li> <li>Recreation</li> <li>Sport</li> </ul> </li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Emphasis Core Course	3	C	<ul style="list-style-type: none"> <li>Students select one emphasis area below and choose core courses and emphasis electives from the same area.</li> </ul>
CRD 350: Tourism, Recreation and Sports Marketing	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 310: Volunteer Management	3	C	
Elective	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

- Core and elective courses for each emphasis are shown at the bottom of the major map.

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Literacy and Critical Inquiry (L)

3 C

Elective

3

Term hours subtotal: 6

- Develop your professional online presence

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Emphasis Elective Course

3 C

Elective

3

Term hours subtotal: 6

- Students select one emphasis area below and choose core courses and emphasis electives from the same area.

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Emphasis Elective Course

3 C

★ Emphasis Core Course

3 C

Term hours subtotal: 6

- Students select one emphasis area below and choose core courses and emphasis electives from the same area.

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CRD 401: Managing Leisure Enterprises

3 C

Elective

3

Term hours subtotal: 6

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Emphasis Elective Course

3 C

Upper Division Elective

3

Term hours subtotal: 6

- Students select one emphasis area below and choose core courses and emphasis electives from the same area.
- Use Handshake to research employment and internship opportunities

Term 9 - B 105 - 108 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective

3

Term hours subtotal: 3

Term 10 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CRD 403: Leadership and Professional Development

3 C

CRD 402: Assessment and Evaluation of Community Services

3 C

Term hours subtotal: 6

- Successful completion of CRD 402 will satisfy the college Solution-Based Learning (SBL) Requirement

Term 10 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PRM 484: Internship or TDM 484: Internship or CSM 484: Internship OR CRD 435: Service Learning for Community Development AND Additional Emphasis Elective

6

C

Term hours subtotal: 6

- Successful completion of PRM 484, TDM 484, CSM 484, or CRD 435 will satisfy the college Solution-Based Learning (SBL) Requirement

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PRM 203, CRD 402, TDM 484, PRM 484, CSM 484 or CRD 435 will satisfy the SBL requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing		SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections		SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 460: Legal Issues in Social Work
CRJ 309: Criminology (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
CRJ 350: Law and Social Control (SB)		
Interdisciplinary Requirement-Area 4	Events Emphasis Core Courses (grade of "C" required)	Recreation Emphasis Core Courses (grade of "C" required)
CPP Elective	PRM 486: Special Events Management	PRM 201: Introduction to Community Sports
	PRM 487: Advanced Special Events Management	PRM 364: Foundations of Recreation Therapy (SB)
	PRM 488: Event Marketing and Promotion	PRM 475: Entrepreneurial Recreation and Tourism

Sport Emphasis Core Courses (grade of "C" required)	Events Emphasis Elective Courses (choose 3 courses; grade of "C" required)	Recreation Emphasis Elective Courses (choose 3 courses; grade of "C" required)
CSM 201: Introduction to Community Sports	CSM 483: Sports Tourism	PRM 485: Sports Events
CSM 483: Sports Tourism	CSM 485: Sports Events	PRM 486: Special Events Management
CSM 485: Sports Events	PRM 475: Entrepreneurial Recreation and Tourism	PRM 487: Advanced Special Events Management
	TDM 345: Meeting and Convention Planning	PRM 488: Event Marketing and Promotion
	TDM 386: Convention Sales and Management	TDM 448: Heritage and Cultural Tourism
		TDM 480: Sustainable Tourism
Sport Emphasis Elective Courses (choose 3 courses; grade of "C" required)	Tourism Emphasis Core Course (grade of "C" required)	Tourism Emphasis Elective Courses (choose 3 courses; grade of "C" required)
PRM 364: Foundations of Recreation Therapy (SB)	TDM 225: Introduction to Resort and Hotel Management	PRM 486: Special Events Management
PRM 487: Advanced Special Events Management	TDM 458: International Tourism (G)	TDM 345: Meeting and Convention Planning
PRM 488: Event Marketing and Promotion	TDM 480: Sustainable Tourism	TDM 386: Convention Sales and Management
TDM 458: International Tourism (G)		TDM 448: Heritage and Cultural Tourism
TDM 475: Entrepreneurial Recreation and Tourism		TDM 475: Introduction to Resort and Hotel Management
		TDM 483: Sports Tourism

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map

### Urban and Metropolitan Studies, BA

School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPURBBA

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
Interdisciplinary Requirement	3		
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	17		
Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
Interdisciplinary Requirement	3		
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective	4		
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 33 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 URB 220: Introduction to Urban America	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
MAT 142: College Mathematics (MA)	3		

Second Language: Requirement satisfied through the following:  
 Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective

Literacy and Critical Inquiry (L)	3
Elective	3
♦ Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 49 - 66 Credit Hours <b>Critical course signified by</b> ♦	Hours	Minimum Grade	Notes
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♦ URB 240: Urban Policy (C)	3	C	• Explore an <b>internship</b>
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective			
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	17		

Term 5 66 - 82 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ URB 300: Urban and Metropolitan Studies	3	C	• Develop your <b>professional online presence</b>
PAF OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 82 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PAF 302: Public Service Research Methods	3	C	• Complete an in person or virtual <b>practice interview</b>
★ URB 305: Urban Governance	3	C	
Complete 2 courses: PAF OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM Upper Division Elective	6	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	12		

Term 7 94 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ URB 302: Urban Theory	3	C	• Successful completion of URB 484 will satisfy the college Solution-Based Learning (SBL) Requirement
★ URB 484: Internship	3	Y	
PAF 410: Building Leadership Skills (SB)	3	C	
PAF OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM Upper Division Elective	3	C	

Elective	2
Term hours subtotal: 14	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
<i>Complete 2 courses:</i>			
PAF OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM Upper Division Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:		12	

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of URB 484 will satisfy the SBL Requirement.

#### Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)
CRJ 203: Courts and Sentencing	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 204: Juvenile Justice	NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective
CRJ 260: Substantive Criminal Law	PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 270: Community Justice (SB)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)
CRJ 230: Introduction to Policing	TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)
CRJ 240: Introduction to Corrections	TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4		
CPP Elective		

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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map



### Urban and Metropolitan Studies, BS



School/College: Watts College of Public Service & Community Solut





Location: Downtown Phoenix campus




PPURBBS


Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
MAT 142: College Mathematics (MA)	3		
Interdisciplinary Requirement	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 URB 220: Introduction to Urban America	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		Minimum	

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 URB 240: Urban Policy (C)	3	C	• Explore an <b>internship</b>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:			

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 URB 300: Urban and Metropolitan Studies	3	C	• Develop your <b>professional online presence</b>
PAF 301: Applied Statistics (CS)	3	C	
Complete 2 courses: POS OR PUP OR GPH OR GCU OR MGT OR URB OR PAF OR HST OR SBS OR SOS OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR ASB Elective	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:			

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 302: Public Service Research Methods	3	C	• Complete an in person or virtual <b>practice interview</b>
 URB 305: Urban Governance	3	C	
URB OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective	3	C	
POS OR PUP OR GPH OR GCU OR MGT OR URB OR PAF OR HST OR SBS OR SOS OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR ASB Elective	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:			15

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 URB 302: Urban Theory	3	C	• Successful completion of URB 484 will satisfy the college Solution-Based Learning (SBL) Requirement
 URB 484: Internship	3	Y	
PAF 410: Building Leadership Skills (SB)	3	C	
Complete 2 courses: URB OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective	6	C	
Term hours subtotal:			

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	

URB OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective	3	C
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:		12

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
  - Successful completion of URB 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CSM 201: Introduction to Community Sports	SWU 171: Introduction to Social Work (SB & H)
CRJ 203: Courts and Sentencing	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 204: Juvenile Justice	NLM 220: Introduction to Nonprofit Organizations	SWU 181: Economics: A Social Issues Perspective
CRJ 260: Substantive Criminal Law	PRM 120: Leisure and the Quality of Life (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 270: Community Justice (SB)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PRM 380: Wilderness and Parks in America (SB & H)	SWU 250: Stress Management Tools I (SB)
CRJ 230: Introduction to Policing	TDM 205: Introduction to Travel and Tourism (G)	SWU 349: Stress Management Tools II (SB)
CRJ 240: Introduction to Corrections	TDM 458: International Tourism (G)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4		
CPP Elective		

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map Sustainability, BA



School/College: [School of Sustainability](#)

Location: [Polytechnic campus](#), [Tempe campus](#)

SUSUSTBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• SOS 191 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• SOS 201 required of all Sustainability transfer students.</li> <li>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> </ul>
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
SOS 110: Sustainable World (SB)	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110 AND SOS 111 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 220: Systems Thinking	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b> and start attending sustainability career-related <b>workshops and lectures</b>.</li> </ul>
SOS 232: Professional Skills in Sustainability Practice	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Literacy and Critical Inquiry (L)	3		

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

❖ Complete First-Year Composition requirement.

❖ Minimum 2.50 GPA ASU Cumulative.

❖ Minimum 3.00 GPA in SOS.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban

• See track/group notes below for track requirement details.

❖ Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	
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SOS 231: Careers in Sustainability	1	C	
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SOS 310: Equity, Justice and Sustainability	3	C	
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Upper Division Track Required Course	3	C	
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Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
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❖ Complete SOS 231 AND SOS 232 course(s).

❖ Milestone: Select a track.

❖ Minimum 2.50 GPA ASU Cumulative.

❖ Minimum 3.00 GPA in SOS.

Term hours subtotal: 14

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Complete 2 courses:

SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban

★ Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	6	C	
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- See track/group notes below for track requirement details.
- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.
- Meet with the [School of Sustainability Career Advisor](#) to review your resume.

SOS 311: Future Thinking and Strategies	3	C	
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Related Discipline Elective	3	C	
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Natural Science - Quantitative (SQ)	4		
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★ Minimum 2.50 GPA ASU Cumulative.

★ Minimum 3.00 GPA in SOS.

Term hours subtotal: 16

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Track Elective Course	3	C	
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Related Discipline Elective	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Minimum 2.50 GPA ASU Cumulative.		
★ Minimum 3.00 GPA in SOS.		
Term hours subtotal:		16

- See track/group notes below for track elective details.
- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.
- Begin **exploring internship opportunities** and meet with the School of Sustainability Internship and Experiential Education Specialist to discuss your interests.

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 484: Capstone: Internship	4	B-	<ul style="list-style-type: none"> <li>• See track/group notes below for upper division track elective details.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Meet with the School of Sustainability career advisor to discuss and refine your <b>career search process</b>.</li> </ul>
Upper Division Related Discipline Elective	3	C	
Upper Division Track Elective Course	3	C	
Upper Division Elective	2		
Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:		15	

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 498: Pro-Seminar (L) OR SOS 475: Collaborative Design Development II (L)	3	B-	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
Upper Division Related Discipline Elective	3	C	
SOS Upper Division Elective	3	C	
Upper Division Elective	3		
Elective	1		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:		13	

- BA Students must select one of the following challenge area tracks:
  - Society & Sustainability (SOS 320)
  - Policy and Governance in Sustainable Systems (SOS 321)
  - International Development and Sustainability (SOS 322)
  - Sustainable Urban Dynamics (SOS 323 or SOS 465)
- Students must declare a track by the end of Term 4
- Students must complete the one required course for their chosen track.
- Students must also complete any additional three track courses for a total of 12 credit hours of track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.

- Students must complete two track elective courses from their chosen track. At least one track elective course must be upper division.

Example: If the Society and Sustainability Track is chosen, students must complete SOS 320 and any three additional track courses by the end of Term 5.

More information on BA Tracks can be found [here](#).

Hide Course List(s)/Track Group(s)

International Development and Sustainability Track	Policy and Governance in Sustainable Systems Track	Society and Sustainability Track
Required Course:	Required Course:	Required Course:
SOS 322: International Development and Sustainability	SOS 321: Policy and Governance in Sustainable Systems	SOS 320: Society and Sustainability (L or SB)
Electives:	Electives:	Electives:
AFR 340: The Making of Modern Africa (SB & G & H)	ABS 381: Natural Resources Policy	ASB 202: Immigration and Ethnic Relations in the U.S. (SB & C)
ALT 412: Village Energy Systems	BIO 412: Conservation in Practice	ASB 211: Women in Other Cultures ((HU or SB) & G)
ASB 100: Introduction to Global Health (SB & G)	ECN 441: Public Economics (SB)	ASB 311: Principles of Social Anthropology (SB & G & H)
FIS 337: Innovation and Global Development (G)	GCU 361: Urban Geography (SB)	ASB 326: Human Impacts on Ancient Environments (SB & H)
GCU 364: Energy in the Global Arena (SB & G)	GPH 314: Global Change (HU & G)	ASB 344: Technology and Society (L or SB)
GPH 314: Global Change (HU & G)	HST 345: Environmental History (L)	ASB 370: Ethics of Eating (L or SB)
JUS 325: Globalization and Socio-Economic Justice (SB & G) or SGS 325: Globalization and Socio-Economic Justice (SB & G)	PAF 300: Public Management and Administration	ENG 367: Environmental Issues in Literature and Film (L or HU)
JUS 352: The Global Politics of Human Rights (SB & G)	PAF 340: Contemporary Policy Challenges	FIS 111: Welcome to the Future
POS 160: Global Politics (SB & G)	PHI 407: Environmental Philosophy and Policy (L or HU)	FIS 334: Science, Technology and Inequality (C)
POS 368: Ethics and Human Rights	POS 160: Global Politics (SB & G)	GCU 350: The Geography of World Crises (SB & G)
POS 486: International Political Economy (SB & G)	POS 300: Contemporary Global Controversies (SB & G)	GCU 351: Population Geography (SB & G)
SBS 480: Global Justice (G)	POS 346: Problems of Democracy (HU)	GCU 357: Social Geography (SB)
SGS 301: Principles of Global Studies (G)	POS 351: Democratization (SB & G)	GCU 441: Economic Geography (SB)
SGS 303: Global Trends (SB)	POS 364: National Security, Intelligence, and Terrorism (SB)	GCU 442: Geographical Analysis of Transportation (SB)
SGS 330: Globalization and the Environment: Problems and Solutions	POS 368: Ethics and Human Rights	GPH 210: Society and Environment (G)
SOC 333: Population (SB & G)	POS 410: Governing American Cities (SB)	JUS 320: Community and Social Justice (SB & C)
SOS 447: Gender, Culture, and Development ((L or SB) & G)	PUP 301: Introduction to Urban Planning (L)	JUS 321: Wealth Distribution and Poverty (SB & C)
STS 330: Information Technology and Globalization (SB & G)	PUP 430: Transportation Planning and the Environment	JUS 405: Inequality, Economy and Justice ((L or SB) & G)
	SGS 330: Globalization and the Environment: Problems and Solutions	JUS 430: Social Protest, Conflict, and Change ((L or SB) & C)
	STS 325: Science, Technology, and Public Policy (SB)	

STS 332: Global Issues in Science and Technology (SB)

TEM 450: Design for the Developing World

TEM 455: Global Impact Entrepreneurship

WST 378: Global Feminist Theory (L & G)

JUS 444: Environment and Justice (L & C)

PSY 306: Environmental Psychology (SB)

PSY 350: Social Psychology (SB)

SGS 330: Globalization and the Environment: Problems and Solutions

SOC 270: Racial and Ethnic Relations (SB & C)

SOC 331: Environmental Sociology (SB & G)

SOC 332: The Modern City (G)

SOC 334: Technology and Society (L or SB)

SOC 352: Social Change (SB & G & H)

SOS 309: History and Philosophy of Sustainability or HST 308: History and Philosophy of Sustainability or PHI 322: History and Philosophy of Sustainability

SOS 447: Gender, Culture, and Development ((L or SB) & G)

SOS 467: Art and Ecology

WST 375: Women and Social Change (SB & C)

WST 380: Race, Gender, and Class (SB & C)

WST 457: Women, Cultures, and Societies (SB & G)

#### Sustainable Urban Dynamics Track

##### Required Course:

SOS 323: Sustainable Urban Dynamics or  
SOS 465: Sustainable Urbanism

##### Electives:

ABS 260: Fundamentals of Sustainable Horticulture (SG)

ABS 364: Urban Forestry

ALA 100: Introduction to Environmental Design (HU & H & G)

ASB 442: Global Cities (SB & G) or SBS 460: Global Cities (SB & G)

CHE 469: Air Quality Engineering

GCU 359: Cities of the World I (SB & G & H)

GCU 361: Urban Geography (SB)

GCU 425: Geography of the Mexican American Borderland ((L or SB) & G)

GCU 442: Geographical Analysis of  
Transportation (SB)

POS 410: Governing American Cities (SB)

POS 464: Border Cities: Action Research on  
Globalization (SB & G)

PUP 200: Cities in Cinema (HU & H & G)

PUP 301: Introduction to Urban Planning (L)

PUP 430: Transportation Planning and the  
Environment

SOS 330: Sustaining the Commons (L)

SOS 414: Urban and Environmental Health  
(SB) or ASM 414: Urban and Environmental  
Health (SB)

STS 325: Science, Technology, and Public  
Policy (SB)

URB 220: Introduction to Urban America

URB 240: Urban Policy (C)

URB 300: Urban and Metropolitan Studies

URB 302: Urban Theory

URB 305: Urban Governance

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Supply Chain Management, BS








School/College: [W. P. Carey School of Business](#)





Location:  
BASCMBBS

and  
Sustainability,  
BA

[School of Sustainability](#)  
SUSUSTBA

In order to complete this concurrent degree in 4 years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-SOS: The ASU Experience OR WPC 101: Student Success in Business OR SOS 201: Introduction to ASU and Sustainability	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASU 101-SOS or WPC 101 meets this requirement.</li> <li>• SOS 201 required of all Sustainability transfer students</li> <li>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>. <b>CLEP</b> and <b>AP credit</b> are also viable options for fulfilling the second language requirement</li> <li>• A score of 4 or 5 on the AP Environmental Science exam fulfills the SOS 110 course requirement</li> </ul>
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
 MAT 210: Brief Calculus (MA)	3	C	
 SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	17		

Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or organization</li> <li>• Create your first college <b>resume</b></li> <li>• Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
 SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

⚠ Minimum 2.50 GPA ASU Cumulative.

⚠ Minimum 3.00 GPA in SOS courses.

Term hours subtotal: 16

Summer 2 Session 1 33 - 40 Credit Hours	Hours	Minimum Grade	Notes
PSY 101: Introduction to Psychology (SB)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Summer 2 Session 2 40 - 43 Credit Hours	Hours	Minimum Grade	Notes
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	3		

Term 3 43 - 59 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 231: Uses of Accounting Information I	3	C	• Explore <a href="#">career resources</a>
⚠ ECN 221: Business Statistics (CS)	3	C	
SOS 220: Systems Thinking	3	C	
SOS 232: Professional Skills in Sustainability Practice	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
⚠ Complete ECN 211 AND ECN 212.			
⚠ Minimum 2.50 GPA ASU Cumulative.			
⚠ Minimum 3.00 GPA in SOS courses.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 59 - 76 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	• Select one of the following challenge area <a href="#">tracks</a> : Policy and Governance in Sustainable Systems (SOS 321), International Development and Sustainability (SOS 322), or Sustainable Urban Dynamics (SOS 323 OR SOS 465). • Students must complete the course that corresponds with the track they have chosen, as well as SOS 320 and any two additional track courses, for a total of 12 credit hours of track courses. • Students must complete six credit hours of <a href="#">challenge area/track electives</a> related to the track they select. • Meet with your Career Coaches.
⚠ SCM 300: Global Supply Operations	3	C	
Complete 2 courses: SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	6	C	
SOS 231: Careers in Sustainability	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
⚠ Complete SOS 220 course(s).			
⚠ Milestone: Select a Sustainability track			
⚠ Minimum 2.50 GPA ASU Cumulative.			
⚠ Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	16		



Term hours subtotal: 17

Summer 4 Session 1 76 - 83 Credit Hours	Hours	Minimum Grade	Notes
WPC 300: Problem Solving and Actionable Analytics	3	C	
Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Summer 4 Session 2 83 - 86 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		
Term hours subtotal:	3		

Term 5 86 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 315: Business Decision Models	3	C	<ul style="list-style-type: none"> <li>• Attend Career Fairs</li> <li>• Apply for internships or create one</li> <li>• Complete informational interviews</li> </ul>
★ SCM 345: Logistics Management	3	C	
MGT 300: Organization and Management Leadership	3	C	
SOS 311: Future Thinking and Strategies	3	C	
SOS 320: Society and Sustainability (L or SB)	3	C	
Upper Division International Development and Sustainability Track - Required Course OR Upper Division Policy and Governance in Sustainable Systems Track - Required Course OR Upper Division Sustainable Urban Dynamics Track - Required Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	18		

Term 6 104 - 122 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 355: Supply Management (L)	3	C	
★ SCM 432: Planning and Control Systems for Supply Chain Management	3	C	
★ SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course	3	C	
International Development and Sustainability Track - Elective OR			
★ Policy and Governance in Sustainable Systems Track - Elective OR Sustainable Urban Dynamics Track - Elective	3	C	
FIN 300: Fundamentals of Finance	3	C	
SOS 310: Equity, Justice and Sustainability	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	18		

Term 7 122 - 138 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 479: Supply Chain Strategy (L)	3	C	
SCM 455: Research and Negotiation	3	C	
LES 305: Business Law and Ethics for Managers	3	C	

MKT 300: Marketing and Business Performance	3	C
SOS 484: Capstone: Internship	4	B-
★ Minimum 2.50 GPA ASU Cumulative.		
★ Minimum 3.00 GPA in SOS courses.		
Term hours subtotal:	16	

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480.

Term 8 138 - 153 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	• Apply for full-time career opportunities
SOS 498: Pro-Seminar (L)	3	B-	
Upper Division International Development and Sustainability Track - Elective OR Upper Division Policy and Governance in Sustainable Systems Track - Elective OR Upper Division Sustainable Urban Dynamics Track - Elective	3	C	
SOS Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) AND Historical Awareness (H)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS courses.			
Term hours subtotal:	15		

- Tracks available for the concurrent degree in Supply Chain Management and the BA in Sustainability:
  - Policy and Governance in Sustainable Systems
  - International Development and Sustainability
  - Sustainable Urban Dynamics

Students may choose any of the upper-division challenge area/track courses, but **must** complete at least the course that corresponds with the track they have chosen (e.g., if the Policy and Governance in Sustainable Systems track is chosen, students should choose SOS 321 and three other challenge area/track courses).

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	International Development and Sustainability Track	Policy and Governance in Sustainable Systems Track
AGB 302: International Management and Agribusiness (G)	Required Course:	Required Course:
ECN 306: Survey of International Economics (SB & G)	SOS 322: International Development and Sustainability	SOS 321: Policy and Governance in Sustainable Systems
MGT 302: Principles of International Business (G)	Electives:	Electives:
MKT 425: Global Marketing Management (G)	AFR 340: The Making of Modern Africa (SB & G & H)	ABS 381: Natural Resources Policy
	ALT 412: Village Energy Systems	BIO 412: Conservation in Practice
	ASB 100: Introduction to Global Health (SB & G)	ECN 441: Public Economics (SB)
	FIS 337: Innovation and Global Development (G)	GCU 361: Urban Geography (SB)
		GPH 314: Global Change (HU & G)
		HST 345: Environmental History (L)

GCU 364: Energy in the Global Arena (SB & G)	PAF 300: Public Management and Administration
GPH 314: Global Change (HU & G)	PAF 340: Contemporary Policy Challenges
JUS 325: Globalization and Socio-Economic Justice (SB & G) or SGS 325: Globalization and Socio-Economic Justice (SB & G)	PHI 407: Environmental Philosophy and Policy (L or HU)
JUS 352: The Global Politics of Human Rights (SB & G)	POS 160: Global Politics (SB & G)
POS 160: Global Politics (SB & G)	POS 300: Contemporary Global Controversies (SB & G)
POS 368: Ethics and Human Rights	POS 346: Problems of Democracy (HU)
POS 486: International Political Economy (SB & G)	POS 351: Democratization (SB & G)
SBS 480: Global Justice (G)	POS 364: National Security, Intelligence, and Terrorism (SB)
SGS 301: Principles of Global Studies (G)	POS 368: Ethics and Human Rights
SGS 303: Global Trends (SB & G)	POS 410: Governing American Cities (SB)
SOC 333: Population (SB & G)	PUP 301: Introduction to Urban Planning (L)
STS 330: Information Technology and Globalization (SB & G)	PUP 430: Transportation Planning and the Environment
STS 332: Global Issues in Science and Technology (SB)	STS 325: Science, Technology, and Public Policy (SB)
TEM 450: Design for the Developing World	
TEM 455: Global Impact Entrepreneurship	
WST 378: Global Feminist Theory (L & G)	

#### Sustainable Urban Dynamics Track

##### Required Course:

SOS 323: Sustainable Urban Dynamics or  
SOS 465: Sustainable Urbanism

##### Electives:

ABS 260: Fundamentals of Sustainable  
Horticulture (SG)

ABS 364: Urban Forestry

ALA 100: Introduction to Environmental  
Design (HU & H & G)

ASB 442: Global Cities (SB & G) or SBS 460:  
Global Cities (SB & G)

CHE 469: Air Quality Engineering

GCU 359: Cities of the World I (SB & G & H)

GCU 361: Urban Geography (SB)

GCU 425: Geography of the Mexican  
American Borderland ((L or SB) & G)

GCU 442: Geographical Analysis of  
Transportation (SB)

POS 410: Governing American Cities (SB)

POS 464: Border Cities: Action Research on  
Globalization (SB & G)

PUP 200: Cities in Cinema (HU & H & G)

PUP 301: Introduction to Urban Planning (L)

PUP 430: Transportation Planning and the  
Environment

SBS 450: Migration & Culture (SB & G)

SOS 414: Urban and Environmental Health  
(SB) or ASM 414: Urban and Environmental  
Health (SB)

STS 325: Science, Technology, and Public  
Policy (SB)

URB 220: Introduction to Urban America

URB 240: Urban Policy (C)

URB 300: Urban and Metropolitan Studies

URB 302: Urban Theory

URB 305: Urban Governance

**Total Hours:** 153

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Sustainability, BA



School/College: [School of Sustainability](#)






Location: [Online](#)



SUSUSTBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>SOS 191 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>SOS 201 required of all Sustainability transfer students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> </ul>
SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			

Term 2 - A 16 - 23 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SOS 110: Sustainable World (SB)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 220: Systems Thinking	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete SOS 110 AND SOS 111 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	7		

Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 232: Professional Skills in Sustainability Practice	3	C	<ul style="list-style-type: none"> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses.</li> </ul>

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

Term hours subtotal: 7

All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.

- Develop your skills.

Term 3 - B 37 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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STP 226: Elements of Statistics (CS) 3 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

 Minimum 2.50 GPA ASU Cumulative.


 Minimum 3.00 GPA in SOS.

 Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 44 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban

 Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism

3 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.


4 C

Term hours subtotal: 7

- See track/group notes below for Challenge Area/Track requirement details

Term 4 - B 51 - 58 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban

 Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism

3 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

 Milestone: Select a track.

 Minimum 2.50 GPA ASU Cumulative.

 Minimum 3.00 GPA in SOS.

Term hours subtotal: 7

- See track/group notes below for Challenge Area/Track requirement details

Term 5 - A 58 - 65 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 SOS 231: Careers in Sustainability 1 C

SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban

★ Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 7

- See track/group notes below for Challenge Area/Track requirement details.
- Schedule an appointment with the [School of Sustainability Career Advisor](#) to review your resume.




Term 5 - B 65 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 311: Future Thinking and Strategies	3	C	<ul style="list-style-type: none"> <li>• See track/group notes below for Challenge Area/Track requirement details</li> </ul>
Upper Division Track Required Course	3	C	
Literacy and Critical Inquiry (L)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	9		



Term 6 - A 74 - 80 Credit Hours	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	C	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Explore <a href="#">internship opportunities</a> and schedule an appointment with the School of Sustainability Internship and Experiential Education Specialist to discuss your interests.</li> </ul>
Related Discipline Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 80 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Related Discipline Elective	3	C	<ul style="list-style-type: none"> <li>• See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
Track Elective Course	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	9		

Term 7 - A 89 - 98 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Discipline Elective	3	C	<ul style="list-style-type: none"> <li>• See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's</li> </ul>
Upper Division Track Elective Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	9		

Sustainability education. See advisor for approval.

Term 7 - B 98 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
SOS 498: Pro-Seminar (L)	3	B-	<ul style="list-style-type: none"> <li>Schedule an appointment with the <a href="#">School of Sustainability Career Advisor</a> to discuss and refine your career search process.</li> </ul>
Upper Division Related Discipline Elective	3	C	
Elective	3		
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:		9	

Term 8 - A 107 - 113 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 484: Capstone: Internship	4	B-	<ul style="list-style-type: none"> <li>All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
Upper Division Elective	2		
Term hours subtotal:		6	

Term 8 - B 113 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
SOS Upper Division Elective	3	C	
Upper Division Elective	3		
Elective	1		
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:		7	

- BA Students must select one of the following challenge area tracks:
    - Society & Sustainability (SOS 320)
    - Policy and Governance in Sustainable Systems (SOS 321)
    - International Development and Sustainability (SOS 322)
    - Sustainable Urban Dynamics (SOS 323 or SOS 465)
  - Students must declare a track by the end of Term 4
  - Students must complete the one required track course for their chosen track.
  - Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
  - Students must complete two track elective courses from their chosen track. At least one track elective course must be upper division.

Example: If the Society and Sustainability Track is chosen, students must complete SOS 320 and any three additional track courses by the end of Term 5.

More information on BA Tracks can be found [here](#).



International Development and Sustainability Track	Policy and Governance in Sustainable Systems Track	Society and Sustainability Track
<b>Required Course:</b>	<b>Required Course:</b>	<b>Required Course:</b>
SOS 322: International Development and Sustainability	SOS 321: Policy and Governance in Sustainable Systems	SOS 320: Society and Sustainability (L or SB)
<b>Electives:</b>	<b>Electives:</b>	<b>Electives:</b>
ASB 100: Introduction to Global Health (SB & G)	BIO 412: Conservation in Practice	ASB 370: Ethics of Eating (L or SB)
GPH 314: Global Change (HU & G)	GCU 361: Urban Geography (SB)	ENG 367: Environmental Issues in Literature and Film (L or HU)
JUS 352: The Global Politics of Human Rights (SB & G)	GPH 314: Global Change (HU & G)	GCU 350: The Geography of World Crises (SB & G)
POS 160: Global Politics (SB & G)	HST 345: Environmental History (L)	GCU 351: Population Geography (SB & G)
POS 368: Ethics and Human Rights	PAF 300: Public Management and Administration	GCU 442: Geographical Analysis of Transportation (SB)
POS 486: International Political Economy (SB & G)	PAF 340: Contemporary Policy Challenges	GPH 210: Society and Environment (G)
SGS 301: Principles of Global Studies (G)	POS 160: Global Politics (SB & G)	PSY 350: Social Psychology (SB)
SGS 303: Global Trends (SB)	POS 300: Contemporary Global Controversies (SB & G)	SOC 270: Racial and Ethnic Relations (SB & C)
STS 330: Information Technology and Globalization (SB & G)	POS 351: Democratization (SB & G)	SOC 332: The Modern City (G)
STS 332: Global Issues in Science and Technology (SB)	POS 368: Ethics and Human Rights	SOC 334: Technology and Society (L or SB)
TEM 450: Design for the Developing World	PUP 301: Introduction to Urban Planning (L)	SOC 352: Social Change (SB & G & H)
TEM 455: Global Impact Entrepreneurship	PUP 430: Transportation Planning and the Environment	WST 380: Race, Gender, and Class (SB & C)
WST 378: Global Feminist Theory (L & G)		
<b>Sustainable Urban Dynamics Track</b>		
<b>Required Course:</b>		
SOS 323: Sustainable Urban Dynamics or SOS 465: Sustainable Urbanism		
<b>Electives:</b>		
ALA 100: Introduction to Environmental Design (HU & H & G)		
GCU 361: Urban Geography (SB)		
GCU 442: Geographical Analysis of Transportation (SB)		
PUP 200: Cities in Cinema (HU & H & G)		
PUP 301: Introduction to Urban Planning (L)		
PUP 430: Transportation Planning and the Environment		
SOS 414: Urban and Environmental Health (SB) or ASM 414: Urban and Environmental Health (SB)		

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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 3.0 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition






General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map Sustainability, BS



School/College: [School of Sustainability](#)

Location: [Polytechnic campus, Tempe campus](#)

SUSUSTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• SOS 191 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• SOS 201 required of all Sustainability transfer students.</li> <li>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> </ul>
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
SOS 110: Sustainable World (SB)	3	C	
SOS 211: Calculus and Probability for the Life and Social Sciences (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110 AND SOS 111 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 220: Systems Thinking	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b> and start attending sustainability career-related <b>workshops and lectures</b>.</li> </ul>
SOS 212: Systems, Dynamics and Sustainability	3	C	
SOS 232: Professional Skills in Sustainability Practice	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		

- ◆ Complete First-Year Composition requirement.
- ◆ Minimum 2.50 GPA ASU Cumulative.
- ◆ Minimum 3.00 GPA in SOS.
- Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	<ul style="list-style-type: none"> <li>• See track/group notes below for Track requirement details.</li> </ul>
SOS 231: Careers in Sustainability	1	C	
SOS 310: Equity, Justice and Sustainability	3	C	
Upper Division Track Required Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
◆ Complete SOS 211 AND SOS 212 course(s).			
◆ Complete SOS 231 AND SOS 232 course(s).			
◆ Milestone: Select a track.			
◆ Minimum 2.50 GPA ASU Cumulative.			
◆ Minimum 3.00 GPA in SOS.			
Term hours subtotal:		17	

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes	
Complete 2 courses: SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	6	C	<ul style="list-style-type: none"> <li>• See track/group notes below for Track requirement details.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Meet with the <a href="#">School of Sustainability Career Advisor</a> to review your resume.</li> </ul>	
★ SOS 311: Future Thinking and Strategies	3	C		
Related Discipline Elective	3	C		
Elective	3			
★ Minimum 2.50 GPA ASU Cumulative.				
★ Minimum 3.00 GPA in SOS.				
Term hours subtotal:		15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Track Elective Course	3	C	<ul style="list-style-type: none"> <li>• See track/group notes below for Track elective details.</li> </ul>
Related Discipline Elective	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Literacy and Critical Inquiry (L)	3
Elective	3
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).	
★ Minimum 2.50 GPA ASU Cumulative.	
★ Minimum 3.00 GPA in SOS.	
Term hours subtotal:	15

- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.
- Begin **exploring internship opportunities** and meet with the School of Sustainability Internship and Experiential Education Specialist to discuss your interests.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 484: Capstone: Internship	4	B-	<ul style="list-style-type: none"> <li>• See track/group notes below for Track elective details.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Meet with the School of Sustainability Career Advisor to discuss and refine your <b>career search process</b>.</li> </ul>
Upper Division Related Discipline Elective	3	C	
Upper Division Track Elective Course	3	C	
Upper Division Elective	2		
Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 498: Pro-Seminar (L) OR SOS 475: Collaborative Design Development II (L)	3	B-	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
SOS Upper Division Elective	3	C	
Upper Division Related Discipline Elective	3	C	
Upper Division Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	12		

- BS Students must select one of the following challenge area tracks:
  - Energy, Materials, and Technology (SOS 324)
  - Economics of Sustainability (SOS 325)
  - Sustainable Ecosystems (SOS 326)
- Students must declare a track by the end of Term 4
- Students must complete the one required track course for their chosen track.
- Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective must be upper division.

Example: If the Economics of Sustainability Track is chosen, students must complete SOS 325 and any three additional track courses by the end of Term 5.

More information on BS Tracks can be found [here](#).

Hide Course List(s)/Track Group(s)

Economics of Sustainability Track	Ecosystems Sustainability Track	Sustainable Energy, Materials, and Technology Track
Required Course:	Required Course:	Required Course:
SOS 325: The Economics of Sustainability	SOS 326: Sustainable Ecosystems	SOS 324: Sustainable Energy Technology and Systems
Electives:	Electives:	Electives:
ASB 316: Money and Culture (L or SB)	ABS 364: Urban Forestry	ALA 100: Introduction to Environmental Design (HU & H & G)
ECN 211: Macroeconomic Principles (SB)	ABS 430: Watershed Management	ALA 102: Landscapes and Sustainability (HU & G)
ECN 212: Microeconomic Principles (SB)	ABS 481: Riparian and Wetland Restoration	ALT 435: Applied Photovoltaics
ECN 306: Survey of International Economics (SB & G)	BIO 181: General Biology I (SQ)	APH 313: History of Architecture I ((L or HU) & G & H)
ECN 312: Intermediate Microeconomic Theory (SB)	BIO 182: General Biology II (SG)	CEE 400: Earth Systems Engineering and Management ((L or HU) & H)
ECN 313: Intermediate Macroeconomic Theory (SB)	BIO 303: Plant Diversity and Evolution (L or SG)	CHM 107: Chemistry and Society (SQ)
ECN 345: Survey of Environmental and Resource Economics	BIO 304: Plants and Civilization (L) or PLB 302: Plants and Civilization (L)	CON 101: Construction and Culture: a Built Environment (HU & H)
ECN 360: Economic Development (SB & G)	BIO 308: Plant Physiology	ERM 201: Environmental Management
ECN 413: Advanced Honors Macroeconomics	BIO 313: The Flora of Arizona	ERM 203: Environmental Regulations
ECN 414: Advanced Honors Microeconomics	BIO 322: Conservation of Biodiversity	ERM 302: Water and Wastewater Treatment Technology
ECN 425: Introduction to Econometrics	BIO 323: Ecosystem Restoration and Management	ERM 401: Hazardous Waste Management
ECN 436: International Trade Theory (SB & G)	BIO 325: Oceanography or GLG 325: Oceanography	ERM 426: Environmental Issues
ECN 445: Environmental Economics	BIO 331: Animal Behavior	ERM 428: International Environmental Management (G)
GCU 441: Economic Geography (SB)	BIO 370: Vertebrate Zoology	GCU 364: Energy in the Global Arena (SB & G)
POS 486: International Political Economy (SB & G)	BIO 386: General Entomology	GPH 405: Energy and Environment
SGS 330: Globalization and the Environment: Problems and Solutions	BIO 410: Techniques in Conservation Biology and Ecology (L)	GPH 412: Physical Meteorology
	BIO 411: Quantitative Methods in Conservation and Ecology	HST 302: Energy Transitions and Sustainability ((HU or SB) & G & H)
	BIO 412: Conservation in Practice	IND 242: Materials and Design
	BIO 421: Landscape Ecology	SOS 181: Technological, Social, and Sustainable Systems (HU)
	BIO 423: Population and Community Ecology	SOS 315: Energy Policy
	BIO 434: People and Nature: Ecosystem Services	SOS 435: U.S. Energy: Pathways to Sustainability
	BIO 471: Ornithology	SOS 494: Renewable Energy
	BIO 472: Mammalogy	
	BIO 474: Herpetology	
	CHM 302: Environmental Chemistry	
	GPH 314: Global Change (HU & G)	

MIC 220: Biology of Microorganisms

PLB 300: Plant Diversity and Evolution (L or SG)

PLB 310: The Flora of Arizona

SOS 372: Earth Science in Arizona and the Southwest

SOS 374: Earth's Critical Zone

SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G)

SOS 429: Human Impacts on Ecosystem Functioning

SOS 433: Sustainable Water Use

SOS 476: Climate Science for Sustainability

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map Sustainability, BS

School/College: [School of Sustainability](#)






Location: [Online](#)



SUSUSTBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• SOS 191 or college-specific equivalent First-Year Seminar is required of all freshman students</li> <li>• SOS 201 required of all Sustainability transfer students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• View ASU Online First Time Freshmen Registration Information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	6		

Term 2 - A 13 - 22 Credit Hours	Hours	Minimum Grade	Notes
SOS 110: Sustainable World (SB)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> </ul>
SOS 211: Calculus and Probability for the Life and Social Sciences (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		

Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SOS 212: Systems, Dynamics and Sustainability	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110 AND SOS 111 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	7		






Term 3 - A 29 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 220: Systems Thinking	3	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other</li> </ul>









Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C
Term hours subtotal:	7	


students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.

- Develop your **skills**.

Term 3 - B 36 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 232: Professional Skills in Sustainability Practice	3	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
 Complete SOS 211 AND SOS 212 course(s).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 43 - 50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	• See track/group notes below for Challenge Area/Track requirement details
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 50 - 57 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 231: Careers in Sustainability	1	C	• See track/group notes below for Challenge Area/Track requirement details
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Milestone: Select a track.			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	7		

Term 5 - A 57 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban			• See track/group notes below for Challenge Area/Track requirement details

★ Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise	3	C
Upper Division Track Required Course	3	C
Elective	3	
Term hours subtotal:	9	

- Schedule an appointment with the **School of Sustainability Career Advisor** to review your resume.

Term 5 - B 66 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	C	<ul style="list-style-type: none"> <li>• See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.</li> </ul>
Track Elective Course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	9		

Term 6 - A 75 - 84 Credit Hours	Hours	Minimum Grade	Notes
SOS 311: Future Thinking and Strategies	3	C	<ul style="list-style-type: none"> <li>• See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
Upper Division Track Elective Course	3	C	
Related Discipline Elective	3	C	
Term hours subtotal:	9		

Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Related Discipline Elective	3	C	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Explore <b>internship opportunities</b> and schedule an appointment with the School of Sustainability Internship and Experiential Education Specialist to discuss your interests.</li> </ul>
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	6		

Term 7 - A 90 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Discipline Elective	3	C	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★			

SOS 498: Pro-Seminar (L)	3	B-
Upper Division Related Discipline Elective	3	C
★ Minimum 2.50 GPA ASU Cumulative.		
★ Minimum 3.00 GPA in SOS.		
Term hours subtotal:	6	

- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.
- Schedule an appointment with the [School of Sustainability Career Advisor](#) to discuss and refine your career search process.

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOS 484: Capstone: Internship	4	B-	
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS Upper Division Elective	3	C	
Upper Division Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	6		

- BS Students must select one of the following challenge area tracks:
  - Energy, Materials, and Technology (SOS 324)
  - Economics of Sustainability (SOS 325)
  - Sustainable Ecosystems (SOS 326)
- Students must declare a track by the end of Term 4
- Students must complete the one required track course for their chosen track.
- Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective must be upper division.

Example: If the Economics of Sustainability Track is chosen, students must complete SOS 325 and any three additional track courses by the end of Term 5.

More information on BS Tracks can be found [here](#).

#### Hide Course List(s)/Track Group(s)

Economics of Sustainability Track	Ecosystems Sustainability Track	Sustainable Energy, Materials, and Technology Track
Required Course:	Required Course:	Required Course:
SOS 325: The Economics of Sustainability	SOS 326: Sustainable Ecosystems	SOS 324: Sustainable Energy Technology and Systems
Electives:	Electives:	Electives:
ASB 316: Money and Culture (L or SB)	BIO 181: General Biology I (SQ)	
ECN 211: Macroeconomic Principles (SB)	BIO 182: General Biology II (SG)	

ECN 212: Microeconomic Principles (SB)	BIO 304: Plants and Civilization (L)	ALA 100: Introduction to Environmental Design (HU & H & G)
ECN 306: Survey of International Economics (SB & G)	BIO 331: Animal Behavior	CHM 107: Chemistry and Society (SQ)
ECN 312: Intermediate Microeconomic Theory (SB)	BIO 370: Vertebrate Zoology	HST 302: Energy Transitions and Sustainability ((HU or SB) & G & H)
ECN 313: Intermediate Macroeconomic Theory (SB)	BIO 412: Conservation in Practice	SOS 315: Energy Policy
ECN 360: Economic Development (SB & G)	GPH 314: Global Change (HU & G)	SOS 494: Renewable Energy
ECN 436: International Trade Theory (SB & G)	MIC 220: Biology of Microorganisms	
POS 486: International Political Economy (SB & G)		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.0 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map






### Sustainable Food Systems, BS



School/College: [School of Sustainability](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [Tempe campus](#)

SUSFOSYSBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• SOS 191 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• SOS 201 required of all Sustainability transfer students.</li> <li>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> </ul>
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
SOS 110: Sustainable World (SB)	3	C	
SOS 211: Calculus and Probability for the Life and Social Sciences (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110 AND SOS 111 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 220: Systems Thinking	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Start attending sustainability career-related <b>workshops and lectures</b>.</li> </ul>
CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4		
SFS 215: Fundamentals of U.S. Food and Agriculture	3	C	

SOS 212: Systems, Dynamics and Sustainability	3	C
Computer/Statistics/Quantitative Applications (CS)	3	
❖ Complete First-Year Composition requirement.		
❖ Minimum 2.50 GPA ASU Cumulative.		
❖ Minimum 3.00 GPA in SOS.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> </ul>
SFS 216: Subsectors of U.S. Food and Agriculture	3	C	
SOS 182: Water Planet (SQ)	4	C	
SOS 231: Careers in Sustainability	1	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
❖ Complete SFS 215 AND SFS 216 course(s).			
❖ Complete SOS 211 AND SOS 212 course(s).			
❖ Minimum 2.50 GPA ASU Cumulative.			
❖ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	C	<ul style="list-style-type: none"> <li>Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> <li>Meet with the <b>School of Sustainability Career Advisor</b> to review your resume.</li> </ul>
SOS 311: Future Thinking and Strategies	3	C	
SOS 326: Sustainable Ecosystems	3	C	
SOS 327: Sustainable Food and Farms	3	C	
Skills Elective	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division Focus Area Course	3	C	<ul style="list-style-type: none"> <li>Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> <li>Begin <b>exploring internship opportunities</b> and meet with the School of Sustainability Internship and Experiential Education Specialist to discuss your interests.</li> </ul>
Focus Area Course	3	C	
Skills Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	15		

		<b>Minimum</b>	
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Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
SFS 484: Internship	4	B-	<ul style="list-style-type: none"> <li>Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> <li>Meet with the School of Sustainability Career Advisor to discuss and refine your <b>career search process</b>.</li> </ul>
Upper Division Focus Area Course	3	C	
Complete 2 courses:			
Upper Division Elective	5		
Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
SFS 498: Pro-Seminar (L)	3	B-	<ul style="list-style-type: none"> <li>Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> </ul>
Upper Division Focus Area Course	3	C	
Complete 3 courses:			
Upper Division Elective	9		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 3.00 GPA in SOS.			
Term hours subtotal:	15		

- Students must select one of the following focus areas:
    - Procurement
    - Ecosystem Science
    - Business & Innovation
    - Educational Leadership
    - Global Engagement
    - Policy & Governance
    - Public Health & Nutrition
  - Students must declare a focus area by the end of Term 4.

Hide Course List(s)/Track Group(s)

Skills Electives	Procurement	Ecosystem Science
AME 130: Prototyping Dreams (L)	AGB 250: Economics of Resource Allocation: Food and Agriculture	ABS 207: Applied Plant Taxonomy
CIS 105: Computer Applications and Information Technology (CS)	AGB 425: Food Supply Networks	ABS 260: Fundamentals of Sustainable Horticulture (SG)
CIS 300: Web Design and Development	AGB 435: Commodity Futures and Options Markets	ABS 270: Sustainable Biological Systems
COM 225: Public Speaking (L)	AGB 445: Food Retailing	ABS 314: Applied Plant Physiology
COM 459: Theory and Methods of Social Media Networks	AGB 456: Food Product Innovation and Development	ABS 318: Unseen Life on Earth
ECN 211: Macroeconomic Principles (SB)	AGB 481: Strategic Pricing in Food Markets	ABS 368: Plant Propagation
ECN 212: Microeconomic Principles (SB)	NTR 142: Applied Food Principles	ABS 370: Ecology
ENG 216: Persuasive Writing on Public Issues (L)	NTR 343: Food Service Purchasing	ABS 380: Restoration and Wildlife Plants
FIS 305: Ways of Knowing (L)		ABS 394: Food and Human Health

GIS 205: Geographic Information Science I (CS)	NTR 344: Nutrition Management and Leadership (L)	ABS 452: Commercial Applications of Fermentation
GIS 211: Geographic Information Science II (CS)	NTR 445: Management of Food Service Systems	ABS 460: Organic Gardening
MGT 430: Negotiations	NTR 455: Retail Food Service Operations	ABS 464: Desert Horticulture
NLM 300: Fund Raising and Resource Development	OGL 326: Project Procurement Management	BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ)
OGL 240: Introduction to Project Management	SOS 328: Sustainability and Enterprise	BIO 108: Concepts in Plant Biology (SQ)
SOS 232: Professional Skills in Sustainability Practice	SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II	BIO 130: Introduction to Environmental Science (SQ)
SST 220: Introduction to Social Transformation	SOS 498: Interventions on Sustainable Consumption on Campus (L)	BIO 182: General Biology II (SG)
	SOS 498: Sustainable Food Economy (L)	BIO 304: Plants and Civilization (L)
	TDM 481: Sustainable Food Management in Tourism	BIO 320: Fundamentals of Ecology
		BIO 322: Conservation of Biodiversity
		BIO 386: General Entomology
		BIO 418: Soil Ecology
		BIO 434: People and Nature: Ecosystem Services
		CEE 181: Technological, Social, and Sustainable Systems (HU)
		PLB 302: Plants and Civilization (L)
		SES 106: Habitable Worlds (SQ)
		SOS 314: Basic Energy Science
		SOS 429: Human Impacts on Ecosystem Functioning or BIO 429: Human Impacts on Ecosystem Functioning

Business & Innovation (at least 2 courses must be from AGB, BUS, CIS, ECN, ENT, MGT, MKT or SCM)	Educational Leadership	Global Engagement
AGB 100: Introduction to Agribusiness	CDE 232: Human Development (SB)	AGB 302: International Management and Agribusiness (G)
AGB 250: Economics of Resource Allocation: Food and Agriculture	CDE 337: Early Childhood Intervention	AGB 452: Global Food and Agricultural Trade
AGB 302: International Management and Agribusiness (G)	ECD 211: The Developing Child: Theory into Practice, Prenatal-Grade 3 (SB)	AIS 180: Introduction to American Indian Studies (C)
AGB 321: Agribusiness Marketing	ECD 220: Introduction to Nutrition, Health and Safety	AIS 320: American Indian Philosophies and World Views (HU & C)
AGB 333: Agribusiness Finance	EDP 310: Children and Poverty (SB)	AIS 480: Actualizing Decolonization (HU & C & G)
AGB 366: Agribusiness Production Technologies	EDP 310: Developing as a Leader (SB)	ASB 305: Poverty and Global Health ((L or SB) & G)
AGB 414: Food and Agribusiness Policy Issues (L)	EDP 310: Educational Psychology for Non-Teachers (SB)	GCU 121: World Geography (SB & G)
AGB 420: Food Advertising and Promotion	EDP 310: Motivation (SB)	GCU 432: Geography of China (SB & G)
AGB 425: Food Supply Networks	EDP 310: Multicultural Issues (SB)	
	EXW 102: Principles and Foundations of Health Education and Health Promotion	



AGB 435: Commodity Futures and Options Markets	NTR 343: Food Service Purchasing	JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G)
AGB 445: Food Retailing	NTR 344: Nutrition Management and Leadership (L)	JHR 484: Human Trafficking
AGB 452: Global Food and Agricultural Trade	NTR 445: Management of Food Service Systems	POS 160: Global Politics (SB & G)
AGB 456: Food Product Innovation and Development	OGL 200: Introduction to Organizational Leadership (SB)	POS 240: Introduction to Southeast Asia ((HU or SB) & G)
AGB 481: Strategic Pricing in Food Markets	OGL 220: Behavioral Dynamics in Organizations (SB)	POS 260: Current Issues in International Politics ((L or SB) & G)
BUS 424: Sales and Negotiations	OGL 260: Resource Allocation in Organizations	POS 300: Contemporary Global Controversies (SB & G)
BUS 434: Business Risk Management	OGL 355: Leading Organizational Innovation and Change	POS 348: Do You Want to Build a Nation? (L)
ENT 305: Principles of Entrepreneurship	SCN 209: Introduction to Environmental Education Project	POS 367: World Politics and Global Inequalities (G)
ENT 340: Creativity and Innovation (L or HU)	SCN 300: Foundations of Environmental Education	POS 454: Mexico (SB & G)
ENT 360: Entrepreneurship and Value Creation	SCN 301: Ecology and Natural History of the Sonoran Desert (SG)	POS 480: Global Justice (G)
FIS 308: Politics, Markets and Innovation (SB)	SCN 302: Environmental Education (L & G)	SGS 203: Contemporary Global Trends (SB & G)
MKT 300: Marketing and Business Performance	TEL 111: Exploration of Education (SB)	SOS 322: International Development and Sustainability
MKT 390: Essentials of Marketing	TEL 215: Introduction to Child and Adolescent Development (SB)	SOS 456: Human Rights and Sustainability ((L or SB) & G)
MKT 391: Essentials of Selling	TEL 405: History of Education and Policy Reform in the United States	STS 329: Technology in Developing Countries (SB & G)
MKT 395: Essentials of Advertising and Marketing Communication	USL 210: Service Learning: Intro to Diverse Community Issues (L & C)	STS 332: Global Issues in Science and Technology (SB)
MKT 435: Entrepreneurial Marketing	USL 402: Service Learning: Education & Youth (C)	TEM 450: Design for the Developing World
NTR 343: Food Service Purchasing		
NTR 455: Retail Food Service Operations		
SOS 328: Sustainability and Enterprise		
SOS 385: Business and Sustainability I or SCM 385: Business and Sustainability I		
SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II		
STS 329: Technology in Developing Countries (SB & G)		
TDM 481: Sustainable Food Management in Tourism		
TEM 455: Global Impact Entrepreneurship		
<b>Policy &amp; Governance</b>	<b>Public Health &amp; Nutrition</b>	
AGB 414: Food and Agribusiness Policy Issues (L)	AGB 414: Food and Agribusiness Policy Issues (L)	
AGB 452: Global Food and Agricultural Trade	AGB 420: Food Advertising and Promotion	
	AGB 425: Food Supply Networks	

JUS 214: The Pursuit of Justice in the 21st Century (SB)	ASB 100: Introduction to Global Health (SB & G)
PAF 201: Economics and Public Policy (SB)	ASB 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H)
PAF 340: Contemporary Policy Challenges	
PAF 420: Public Leadership	
POS 216: State and Local Government (SB)	ASB 305: Poverty and Global Health ((L or SB) & G)
POS 230: Current Issues in National Politics (L or SB)	ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)
POS 310: American National Government (SB)	
POS 313: The Congress (SB)	BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ)
POS 325: Public Policy Development (SB)	BIO 182: General Biology II (SG)
POS 333: Interest Groups (SB)	HCI 311: Health Innovation: Foundational Concepts
POS 417: Arizona Politics (SB)	
POS 471: Constitutional Law I (SB)	HCR 230: Culture and Health (C & G)
POS 472: Constitutional Law II (SB)	NTR 142: Applied Food Principles
POS 480: Global Justice (G)	NTR 320: History of Human Nutrition
SOS 321: Policy and Governance in Sustainable Systems	NTR 343: Food Service Purchasing
SOS 322: International Development and Sustainability	NTR 344: Nutrition Management and Leadership (L)
SOS 456: Human Rights and Sustainability ((L or SB) & G)	NTR 348: Cultural Aspects of Food (SB & C & G)
	NTR 351: Nutrition Communication (L)
	NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability
	NTR 355: Eating for Lifelong Health (SB)
	NTR 445: Management of Food Service Systems
	NTR 448: Community Nutrition (L)
	NTR 450: Nutrition in the Life Cycle (SB)
	NTR 455: Retail Food Service Operations
	PBH 422: Health Disparities and Access to Health
	POP 100: Introduction to Population Health
	SOS 370: Ethics of Eating (L or SB)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Early Childhood and Early Childhood Special Education, BAE




School/College: Mary Lou Fulton Teachers College


Location: Tempe campus

TEECSEBAE

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
 TEL 111: Exploration of Education (SB)	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
Elective	1		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
Humanities, Arts and Design (HU) ( RDG 291 recommended)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Complete Mathematics (MA) requirement.			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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◆ TEL 208: Literacy in a Changing World	3	C
◆ USL 216: Service Learning: For Educators (L & C)	3	C
MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C
Historical Awareness (H) ( GCU 113 recommended)	3	
Elective	2	
◆ Milestone: Complete online Intent to Progress form (meet with advisor).		
◆ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	14	

- Develop your professional **online presence**.
- Must complete a minimum of 60 credits, including all foundational coursework, to progress into upper-division education courses.

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECD 321: Emerging Language and Literacy	3	C	
★ ECD 396: Student Teaching: Early Childhood (Ages Birth-5)	4	C	
★ ECS 310: Foundations in Typical / Atypical Child Development	3	C	
★ ECS 312: Social and Emotional Development of the Young Child (SB)	3	C	
★ ECS 316: Assessment/Evidence-based Practice	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECS 315: Classroom Organization and Child Guidance	3	C	
★ ECS 397: Student Teaching: Inclusive Early Childhood (Ages Birth-5)	4	C	
★ ECS 420: Evaluation and Intervention Strategies for Infants, Toddlers and Preschoolers with Disabilities	3	C	
★ ECS 431: Family, Community and Professional Support Systems	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

- Complete an in person or virtual **practice interview**

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECD 418: Instructional Methods for Young Children: Integrating Digital Media	3	C	
★ ECS 412: Mathematics Curriculum, Instruction and Assessment	3	C	
★ ECS 413: Literacy Curriculum, Instruction and Assessment (L)	3	C	
★ ECS 478: Student Teaching: Special Education (Grades K-3)	5	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECD 478: Student Teaching: Early Childhood (Grades K-3)	5	C	

★ ECS 411: Instructional Methodologies for Young Children: STEM	3	C
★ ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education	3	C
★ SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		14

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)






First-Year Composition







General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Education Exploratory

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)  
TEEDUEXPL

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
 TEL 101: Professional Educator Series: The Student Experience	1		
 TEL 111: Exploration of Education (SB)	3	C	
Elective	4		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 102: Professional Educator Series: Community Contexts	3	C	
 TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
 Milestone: Students must declare a BAE major upon the completion of 30 credits. Please meet with a Teachers College advisor to declare one of the BAE programs.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

[Hide Course List\(s\)/Track Group\(s\)](#)

**Total Hours:** 30  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.








## 2019 - 2020 Major Map




### Educational Studies, BAE



School/College: Mary Lou Fulton Teachers College



Location: Polytechnic campus, Tempe campus, West campus

EDSLSTBAE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
 TEL 111: Exploration of Education (SB)	3	C	
ECD 220: Introduction to Nutrition, Health and Safety	2	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Natural Science - Quantitative (SQ)	4		
Complete 3 courses: Elective	8		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> <li>• Select one track option from options below and complete all courses listed within the same track</li> </ul>
Educational Studies Track Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	5		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 200: Social Embeddedness of Educational Endeavors	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
Educational Studies Track Course	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECS 312: Social and Emotional Development of the Young Child (SB)	3	C	
★ TEL 315: Child and Adolescent Development (L or SB)	3	C	
EDP 310: Educational Psychology for Non-Teachers (SB)	3	C	
SCN 300: Foundations of Environmental Education	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDP 310: Educational Psychology for Non-Teachers (SB)	3	C	• Use Handshake to research employment opportunities
SPF 301: Culture and Schooling (L)	3	C	
TEL 300: Community, Family, and Education	3	C	
Educational Studies Track Course	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEL 400: Innovation in Educational Endeavors	3	C	• Complete an in-person or virtual practice interview • Apply for full-time career opportunities
SCN 401: Sustainability Science, Technology, and Society	3	C	
TEL 313: Technology in an Educational Setting	3	C	
TEL 430: Learning Outside of School	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEL 410: Leadership and Advocacy in Educational Endeavors	3	C	
SPE 411: Family Involvement and Regulatory Issues	3		
TEL 431: Learning in Workplaces	3	C	
Educational Studies Track Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

- Select one track from the options below and complete all courses listed within the same track.

Hide Course List(s)/Track Group(s)

Business	Community Health	Environmental Education
ACC 382: Accounting and Financial Analysis	HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	SCN 207: Introduction to Biomimicry
ECN 211: Macroeconomic Principles (SB)		

FIN 380: Personal Financial Management	HCR 231: Fundamentals of Community Health	SCN 208: Introduction to Urban and Environmental Studies
MGT 380: Management and Strategy for Nonmajors	HCR 331: Communication within Communities	SCN 301: Ecology and Natural History of the Sonoran Desert (SG)
MKT 390: Essentials of Marketing	HCR 335: Program Development and Management for Community Health	SCN 302: Environmental Education (L & G)
	HCR 435: Leaders in Community Health	SCN 303: Environmental Education Internship
<b>Family and Human Development</b>	<b>Global Studies</b>	<b>Health Innovation</b>
CDE 232: Human Development (SB)	SGS 101: Thinking Globally: The Individual and Authority (SB & G)	HCI 311: Health Innovation: Foundational Concepts
CDE Upper Division Elective	SGS 303: Global Trends (SB & G)	HCI 412: Transforming Health Care: A Systems Perspective for Innovation
FAS 101: Personal Growth in Human Relationships (SB)	SGS 304: Foundations of Cross-Cultural Awareness	HCI 421: Health Care Policy: The Innovator's View
FAS 331: Marriage and Family Relationships (SB)	SGS Lower Division Elective	HCI 425: Facilitating Innovation to Achieve Outcomes
FAS 370: Family Ethnic and Cultural Diversity (SB & C)	SGS Upper Division Elective	HCI 428: Technology: A Tool to Advance Innovation in Health Care
<b>Nonprofit Administration</b>	<b>Organizational Leadership</b>	<b>Personal Health</b>
NLM 160: Voluntary Action and Community Leadership (SB)	OGL 200: Introduction to Organizational Leadership (SB)	EXW 303: Human Sexuality for Health Education
NLM 220: Introduction to Nonprofit Organizations	OGL 220: Behavioral Dynamics in Organizations (SB)	EXW 325: Fitness for Life
NLM 300: Fund Raising and Resource Development	OGL 300: Theory and Practice of Leadership	EXW 380: Body Image and Wellness
NLM 310: Volunteer Management	OGL 320: Foundations of Project Management	NTR 100: Introductory Nutrition
NLM 430: Managing Nonprofit Organizations (L)	OGL 355: Leading Organizational Innovation and Change	NTR 355: Eating for Lifelong Health (SB)
<b>Political Science</b>	<b>Recreation Management</b>	
POS 110: American Government and Politics (SB)	CRD 210: Community Services and Professions	
POS 150: Comparative Government (SB & G)	CRD 302: Inclusive Community Development (SB & C)	
POS 210: Political Ideologies (SB)	PRM 120: Leisure and the Quality of Life (SB)	
POS 360: World Politics (SB & G)	PRM 304: Recreation Planning and Facility Development (L)	
POS Upper Division Elective	PRM 401: Managing Leisure Enterprises	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.










## 2019 - 2020 Major Map

### Educational Studies, BAE

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Online](#)

EDSLSTBAE

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <a href="#">career interest communities</a> and play <a href="#">me3@ASU</a></li> </ul>
MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1	C	
Term hours subtotal:	7		
Term 1 - B 7 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ECD 220: Introduction to Nutrition, Health and Safety	2	C	
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	8		
Term 2 - A 15 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Elective	1		
Term hours subtotal:	7		
Term 2 - B 22 - 29 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 29 - 36 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		<ul style="list-style-type: none"> <li>• Develop your <a href="#">skills</a></li> </ul>
Elective	4		
Term hours subtotal:	7		
Term 3 - B 36 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Educational Studies Track Course	3	C	

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 6

- Select one track option from options below and complete all courses listed within the same track

Term 4 - A 42 - 49 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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◆ TEL 200: Social Embeddedness of Educational Endeavors	3	C	
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Elective	4		
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Term hours subtotal: 7

Term 4 - B 49 - 56 Credit Hours	Hours	Minimum Grade	Notes
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Educational Studies Track Course	3	C	
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
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Term hours subtotal: 7

Term 5 - A 56 - 65 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TEL 315: Child and Adolescent Development (L or SB)	3	C	
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Educational Studies Track Course	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 9

- Develop your professional online presence

Term 5 - B 65 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECS 312: Social and Emotional Development of the Young Child (SB)	3	C	
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EDP 310: Educational Psychology for Non-Teachers (SB), Career and Professional Development (SB), Children and Poverty (SB), Developing as a Leader (SB), Emotional Intelligence (SB), Gender Development (SB), Immigration, Education & Family (SB), Learning and Memory (SB), Motivation (SB), Multicultural Issues (SB), Understanding the Brain (SB)	1	C	
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SCN 300: Foundations of Environmental Education	3	C	
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Term hours subtotal: 7

Term 6 - A 72 - 79 Credit Hours	Hours	Minimum Grade	Notes
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Educational Studies Track Course	3	C	
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Elective	4		
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Term hours subtotal: 7

Term 6 - B 79 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TEL 300: Community, Family, and Education	3	C	
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EDP 310: Educational Psychology for Non-Teachers (SB), Career and Professional Development (SB), Children and Poverty (SB), Developing as a Leader (SB), Emotional Intelligence (SB), Gender Development (SB), Immigration, Education & Family (SB), Learning and Memory (SB), Motivation (SB), Multicultural Issues (SB), Understanding the Brain (SB)	2	C	
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SPF 301: Culture and Schooling (L)	3	C	
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★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 8

Term 7 - A 87 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEL 400: Innovation in Educational Endeavors	3	C	
★ TEL 430: Learning Outside of School	3	C	
SCN 401: Sustainability Science, Technology, and Society	3	C	
Term hours subtotal:	9		

Term 7 - B 96 - 105 Credit Hours	Hours	Minimum Grade	Notes
EDP 310: Educational Psychology for Non-Teachers (SB), Career and Professional Development (SB), Children and Poverty (SB), Developing as a Leader (SB), Emotional Intelligence (SB), Gender Development (SB), Immigration, Education & Family (SB), Learning and Memory (SB), Motivation (SB), Multicultural Issues (SB), Understanding the Brain (SB)	3	C	• Gather professional references
TEL 313: Technology in an Educational Setting	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	9		

Term 8 - A 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
SPE 411: Family Involvement and Regulatory Issues	3	C	• Apply for full-time career opportunities
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEL 410: Leadership and Advocacy in Educational Endeavors	3	C	
TEL 431: Learning in Workplaces	3	C	
Elective	3		
Term hours subtotal:	9		

- Select one track from the options below and complete all courses listed within the same track.

Hide Course List(s)/Track Group(s)

Business	Community Health	Family and Human Development
ACC 382: Accounting and Financial Analysis	HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	CDE 232: Human Development (SB)
ECN 211: Macroeconomic Principles (SB)	HCR 231: Fundamentals of Community Health	CDE Upper Division Elective
FIN 380: Personal Financial Management	HCR 331: Communication within Communities	FAS 101: Personal Growth in Human Relationships (SB)
MGT 380: Management and Strategy for Nonmajors	HCR 335: Program Development and Management for Community Health	FAS 331: Marriage and Family Relationships (SB)
MKT 390: Essentials of Marketing		FAS 370: Family Ethnic and Cultural Diversity (SB & C)

HCR 435: Leaders in Community Health		
Global Studies	Health Innovations	Organizational Leadership
SGS 101: Thinking Globally: The Individual and Authority (SB & G)	HCI 311: Health Innovation: Foundational Concepts	OGL 200: Introduction to Organizational Leadership (SB)
SGS 303: Global Trends (SB & G)	HCI 412: Transforming Health Care: A Systems Perspective for Innovation	OGL 220: Behavioral Dynamics in Organizations (SB)
SGS 304: Foundations of Cross-Cultural Awareness	HCI 421: Health Care Policy: The Innovator's View	OGL 300: Theory and Practice of Leadership
SGS Lower Division Elective	HCI 425: Facilitating Innovation to Achieve Outcomes	OGL 320: Foundations of Project Management
SGS Upper Division Elective	HCI 428: Technology: A Tool to Advance Innovation in Health Care	OGL 355: Leading Organizational Innovation and Change
Personal Health	Political Science	
EXW 303: Human Sexuality for Health Education	POS 110: American Government and Politics (SB)	
EXW 325: Fitness for Life	POS 150: Comparative Government (SB & G)	
EXW 380: Body Image and Wellness	POS 210: Political Ideologies (SB)	
NTR 100: Introductory Nutrition	POS 360: World Politics (SB & G)	
NTR 355: Eating for Lifelong Health (SB)	POS Upper Division Elective	

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Educational Studies (Early Childhood Education), BAE



School/College: [Mary Lou Fulton Teachers College](#)

Location: [Online](#)



TEESECEBAE

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
TEL 101: Professional Educator Series: The Student Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 111: Exploration of Education (SB)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
ECD 220: Introduction to Nutrition, Health and Safety	2	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	8		
Term 2 - A 15 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Elective	1		
Term hours subtotal:	7		
Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 29 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
Elective	4		
Term hours subtotal:	7		
Term 3 - B 36 - 43 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	4		
Complete Mathematics (MA) requirement.			




Term hours subtotal: 7

Term 4 - A 43 - 50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 200: Social Embeddedness of Educational Endeavors	3	C	
Elective	4		
Term hours subtotal:	7		

Term 4 - B 50 - 57 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - A 57 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FAS 370: Family Ethnic and Cultural Diversity (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Select one track option from below and complete all courses listed within the same track.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
ECD 310: Applied Early Child Development	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	9		

Term 5 - B 66 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EDT 321: Computer Literacy: Mobile Technologies and Your World (CS)	3	C	
ECD 327: Becoming a Teacher Leader	3	C	
Elective	3		
Term hours subtotal:	9		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 350: Inequality and Diversity in Education (L & C)	3	C	
 ECS 321: Communication, Language Development, and Emergent Literacy	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	9		

Term 6 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 430: Infant/Toddler Development in the Family (SB)	3	C	
ECD 325: Supporting Dual Language Learners	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 90 - 99 Credit Hours	Hours	Minimum Grade	Notes
ECD 322: Cognition and General Knowledge: Science, Math, Logic and Reasoning	3	C	
ECS 315: Classroom Organization and Child Guidance	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PAF 410: Building Leadership Skills (SB)	3	C	• Gather professional references
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECS 427: Highly Individualized Teaching and Learning	3	C	• Apply for full-time career opportunities
★ ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education	3	C	
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
ECD 476: Intentional Teaching	3	C	
Complete 2 courses: Educational Studies Track Course	6	C	
Term hours subtotal:	9		

- Select one track option from below and complete all courses listed within the same track.

Hide Course List(s)/Track Group(s)

Business	Community Health	Family and Human Development
ACC 382: Accounting and Financial Analysis	HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	CDE 232: Human Development (SB)
ECN 211: Macroeconomic Principles (SB)	HCR 231: Fundamentals of Community Health	CDE 450: Child Dysfunction in the Family
FIN 380: Personal Financial Management	HCR 331: Communication within Communities	FAS 101: Personal Growth in Human Relationships (SB)
MGT 380: Management and Strategy for Nonmajors	HCR 335: Program Development and Management for Community Health	FAS 331: Marriage and Family Relationships (SB)
MKT 390: Essentials of Marketing	HCR 435: Leaders in Community Health	CDE Upper Division Elective
Global Studies	Health Innovations	Organizational Leadership
SGS 101: Thinking Globally: The Individual and Authority (SB & G)	HCI 311: Health Innovation: Foundational Concepts	OGL 200: Introduction to Organizational Leadership (SB)
SGS 303: Global Trends (SB & G)	HCI 412: Transforming Health Care: A Systems Perspective for Innovation	OGL 220: Behavioral Dynamics in Organizations (SB)
SGS 304: Foundations of Cross-Cultural Awareness	HCI 421: Health Care Policy: The Innovator's View	OGL 300: Theory and Practice of Leadership
SGS Lower Division Elective	HCI 425: Facilitating Innovation to Achieve Outcomes	OGL 320: Foundations of Project Management
SGS Upper Division Elective	HCI 428: Technology: A Tool to Advance Innovation in Health Care	OGL 355: Leading Organizational Innovation and Change

Personal Health	Political Science
EXW 303: Human Sexuality for Health Education	POS 110: American Government and Politics (SB)
EXW 325: Fitness for Life	POS 150: Comparative Government (SB & G)
EXW 380: Body Image and Wellness	POS 210: Political Ideologies (SB)
NTR 100: Introduction to Nutrition Science	POS 360: World Politics (SB & G)
NTR 355: Eating for Lifelong Health (SB)	POS Upper Division Elective

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition






General Studies designations listed on the major map are current for the 2019 - 2020 academic year.


## 2019 - 2020 Major Map




### Elementary Education, BAE



School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#), [ASU@Lake Havasu](#), [ASU@The Gila Valley](#)  
TEEEDBAE

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
 TEL 111: Exploration of Education (SB)	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
Elective	1		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
Humanities, Arts and Design (HU) ( RDG 291 recommended)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Elective	2		
Complete Mathematics (MA) requirement.			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 208: Literacy in a Changing World	3	C	

📌 USL 216: Service Learning: For Educators (L & C)	3	C
MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C
Historical Awareness (H) ( GCU 113 recommended)	3	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
Milestone: Complete online Intent to Progress form (meet with advisor).		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

- Must complete at least 60 credits, including all foundational coursework, to progress into upper division.
- Develop your **professional online presence**

Term 5 60 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 408: SEI for Linguistically Diverse Learners (L)	3	C	• Complete an in person or virtual <b>practice interview</b>
★ EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
★ EED 396: Clinical Experience I	2	C	
★ EED 411: Science in Elementary Schools	3	C	
★ EED 433: Language Method Management and Assessment	3	C	
★ MTE 301: Investigating Change: Patterns, Functions, and Modeling	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 324: Social Studies in Elementary Schools	3	C	
★ EED 397: Clinical Experience II	2	C	
★ EED 412: Mathematics in Elementary Schools	3	C	
★ RDG 322: Language Literacy 1 in Elementary Schools	3	C	
★ SCN 400: Sustainability Science for Teachers	3	C	
★ SPE 323: Behavioral Strategies for All Students	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 404: Instructional Design for Culturally and Linguistically Diverse Students	3	C	
★ EED 478: Student Teaching: Elementary School (Grades 1-8)	5	C	
★ RDG 413: Language Literacy 2 in Elementary Schools	3	C	
★ SPE 416: Quality Practices in the Collaborative Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 478: Student Teaching: Elementary School (Grades 1-8)	12	C	

Term hours subtotal: 12

[Hide Course List\(s\)/Track Group\(s\)](#)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map




### Elementary Education (Bilingual Education and English as a Second Language), BAE




School/College: Mary Lou Fulton Teachers College


Location: Tempe campus

TEDLLBAE

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into First-Year Composition courses</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest area</b> and play me3@ASU</li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
 TEL 111: Exploration of Education (SB)	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
Elective	1		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
Humanities, Arts and Design (HU) ( RDG 291 recommended)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Elective	2		
Complete Mathematics (MA) requirement.			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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◆ TEL 208: Literacy in a Changing World	3	C
◆ USL 216: Service Learning: For Educators (L & C)	3	C
MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C
Historical Awareness (H) ( GCU 113 recommended)	3	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
◆ Milestone: Complete online Intent to Progress form (meet with advisor).		
◆ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

- Must complete a minimum of 60 credits, including foundational coursework, to progress into upper division.
- Develop your **professional online presence**

Term 5 60 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 396: Clinical Experience I	2	C	
★ BLE 400: Principles of Language Minority Education	3	C	
★ BLE 408: SEI for Linguistically Diverse Learners (L)	3	C	
★ EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
★ MTE 301: Investigating Change: Patterns, Functions, and Modeling	3	C	
★ SCN 400: Sustainability Science for Teachers	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 322: Reading Methods in BLE/ESL Settings	3	C	• Complete an in person or virtual practice interview
★ BLE 397: Clinical Experience II	2	C	
★ BLE 412: Mathematics Curriculum, Instruction and Assessment in BLE/ESL Settings	3	C	
★ BLE 413: Language Arts in BLE/ESL Settings	3	C	
★ BLE 481: Reading Practicum	3	C	
★ SPE 416: Quality Practices in the Collaborative Classroom	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 324: Social Studies for Diverse Language Classrooms	3	C	
★ BLE 411: Science Curriculum, Instruction and Assessment in BLE/ESL Settings	3	C	
★ BLE 478: Student Teaching: BLE/ESL Elementary Schools 1-8	5	C	
★ SPE 323: Behavioral Strategies for All Students	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

		Minimum	
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Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ BLE 335: Language Diversity in Classrooms (SB)	3	C	
★ BLE 478: Student Teaching: BLE/ESL Elementary Schools 1-8	6	C	
★ MCE 447: Diversity in Families and Communities in Multicultural Settings	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.













## 2019 - 2020 Major Map

### Elementary Education (Science, Technology, Engineering and Mathematics), BAE

School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus

TEESTEMBAE

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
 MAT 142: College Mathematics (MA) OR MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)	3	C	
 TEL 111: Exploration of Education (SB)	3		
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
Elective	1		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
 TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
Humanities, Arts and Design (HU) ( RDG 291 recommended)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	
DSC OR ERM OR HSE OR MAT OR SCN OR SOS Elective	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete Mathematics (MA) requirement.			
Milestone: Complete online Intent to Progress form (meet with advisor).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	15		
Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

◆ TEL 208: Literacy in a Changing World	3	C
◆ USL 216: Service Learning: For Educators (L & C)	3	C
MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C
SCN 309: Environmental Education Project , Discover a Watershed , Flying Wild , Globe , Outdoor Explorers Guide to Geology , Outdoor Explorers Guide to the Universe , Project Learning Tree , Project Wet , Project Wild , Project Wild Aquatic	1	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) ( SCN 301 recommended)	4	C
Elective	1	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		15

- Must complete at least 60 credits, including foundational coursework, to progress into upper division.
- Develop your **skills**

Term 5 60 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 408: SEI for Linguistically Diverse Learners (L)	3	C	<ul style="list-style-type: none"> <li>• Clinical Experience placement will be in a math or science classroom.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
★ EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
★ EED 396: Clinical Experience I	2	C	
★ EED 433: Language Method Management and Assessment	3	C	
★ MTE 301: Investigating Change: Patterns, Functions, and Modeling	3	C	
★ SCN 302: Environmental Education (L & G)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 6 77 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 397: Clinical Experience II	2	C	<ul style="list-style-type: none"> <li>• Must pass National Evaluation Series (NES) exam for middle grade math or science.</li> </ul>
★ MTE 412: Mathematics in Elementary Schools	3	C	
★ RDG 322: Language Literacy 1 in Elementary Schools	3	C	
★ SCN 411: Science in Elementary Schools	3	C	
★ SPE 323: Behavioral Strategies for All Students	3	C	
DSC OR ERM OR HSE OR MAT OR SCN OR SOS Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 324: Social Studies in Elementary Schools	3	C	
★ EED 478: Student Teaching: Elementary School (Grades 1-8)	5	C	
★ RDG 413: Language Literacy 2 in Elementary Schools	3	C	
★ SPE 416: Quality Practices in the Collaborative Classroom	3	C	

SCN 309: Environmental Education Project , Discover a Watershed ,  
 Flying Wild , Globe , Outdoor Explorers Guide to Geology , Outdoor  
 Explorers Guide to the Universe , Project Learning Tree , Project Wet ,  
 Project Wild , Project Wild Aquatic

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EED 478: Student Teaching: Elementary School (Grades 1-8)	12	C	
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)



First-Year Composition



General Studies designations listed on the major map are current for the 2019 - 2020 academic year.




## 2019 - 2020 Major Map Secondary Education, BAE



School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#), [ASU@The Gila Valley](#), [ASU@Yuma](#)  
TESEDBAE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>Select your <b>career interest communities</b> and <a href="mailto:me3@ASU">play me3@ASU</a></li> </ul>
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) ( TEL 111 recommended)	3		
Elective	4		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Courses selected for the Track Area must be from the same track. Students should not mix/match track areas.</li> <li>Network in your <b>career interest area</b></li> </ul>
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Track Course	3	C	
Computer/Statistics/Quantitative Applications (CS) ( EDT 180 recommended)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Track Course	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
Historical Awareness (H) ( GCU 113 recommended)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Complete 2 courses:	6		
Elective			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			<ul style="list-style-type: none"> <li>Apply for an <b>Identity Verified Print (IVP)</b> DPS <b>fingerprint clearance card</b>.</li> <li>Your IVP fingerprint card will be needed for clinical experience requirements.</li> </ul>
Track Course	6	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Elective	3		

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 13

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Track Course	6	C	<ul style="list-style-type: none"> <li>• Students may take courses in a different sequence, depending on campus location./li&gt;</li> <li>• Concurrent degree students should meet with their Teachers College advisor early in Term 5 to provide copy of their IVP fingerprint card and submit paperwork needed to start professional program.</li> <li>• Education program requires students to participate in clinical experience internships (one day a week) and a student teaching practicum (full-time commitment in your last semester) in 6-12th grade classrooms. Reliable transportation is important.</li> <li>• Attendance is required at an orientation prior to enrollment in education course work.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
EDP 313: Childhood and Adolescence (SB)	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
SED 396: Clinical Experience I OR Upper Division Elective	1		
SED 464: Middle-School Curr/Org OR Upper Division Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ Methods Course	3		
★ Track Course	3	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• Students seeking teacher certification must pass required <b>educator exams</b>. Please speak with your advisor to plan appropriately.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1		
★ Track Course	3	C	
Upper Division Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12) OR Upper Division Non-Teacher Certification Track	12	C	<ul style="list-style-type: none"> <li>• EAC and AWC students must take SED 478 to meet program requirements and qualify for teacher certification.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 12

- Students pursuing this program as a concurrent degree, who choose not to participate in student teaching, must select 12 hours from the non-certification track group. Without student teaching, you will not qualify for a Secondary Education Certification credential, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your academic advisor and the [Arizona Department of Education](#) for clarification. We highly recommend all students complete student teaching.

- Courses selected for Track Area must be from same track. Students should not mix/match track areas.

Hide Course List(s)/Track Group(s)

Biology Track Courses	Business Track Courses	Chemistry Track Courses
BIO 181: General Biology I (SQ)	ACC 231: Uses of Accounting Information I	CHM 113: General Chemistry I (SQ)
BIO 182: General Biology II (SG)	ACC 241: Uses of Accounting Information II	CHM 116: General Chemistry II (SQ)
BIO 320: Fundamentals of Ecology	ECN 211: Macroeconomic Principles (SB)	CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I
BIO 340: General Genetics	ECN 212: Microeconomic Principles (SB)	CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II
BIO 345: Evolution	MGT 300: Organization and Management Leadership	CHM OR BCH Elective
BIO OR MIC OR SCN OR ABS Elective	MKT 300: Marketing and Business Performance	
	SCM 300: Global Supply Operations	
	MGT OR MKT OR SCM OR FIN Elective	
Earth and Space Track Courses	Economics Track Courses	English Track Courses
AST 111: Introduction to Solar Systems Astronomy (SQ) AND AST 113: Astronomy Laboratory I (SQ)	ECN 211: Macroeconomic Principles (SB)	ENG 200: Critical Reading and Writing About Literature (L or HU)
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	ECN 212: Microeconomic Principles (SB)	ENG 221: Survey of English Literature (HU)
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	ECN 221: Business Statistics (CS)	ENG 222: Survey of English Literature (HU & H)
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory	ECN 312: Intermediate Microeconomic Theory (SB)	ENG 241: Literatures of the United States to 1860 (L or HU) & C)
SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	ECN 313: Intermediate Macroeconomic Theory (SB)	ENG 242: Literatures of the United States, 1860 to Present (HU)
GLG OR AST OR GPH Elective	ECN Elective	ENG 471: Literature for Young Adults (HU)
		ENG Elective



<b>General Science Track Courses</b>	<b>Geography Track Courses</b>	<b>History Track Courses</b>
AST 111: Introduction to Solar Systems Astronomy (SQ) AND AST 113: Astronomy Laboratory I (SQ)	GCU 102: Introduction to Human Geography (SB & G)	HST 100: Global History to 1500 (HU & H & G)
BIO 181: General Biology I (SQ)	GCU 121: World Geography (SB & G)	HST 101: Global History Since 1500 (HU & H & G)
BIO 182: General Biology II (SG)	GCU 241: The Global Economy in Transition (SB & G)	HST 109: United States to 1865 ((HU or SB) & H)
CHM 113: General Chemistry I (SQ)	GIS 205: Geographic Information Science I (CS)	HST 110: United States Since 1865 (SB & H)
CHM 116: General Chemistry II (SQ)	GPH 111: Introduction to Physical Geography (SQ)	HST Elective
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	GPH 112: Introduction to Physical Geography Lab (SQ)	
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	GCU 113: United States and Arizona Social Studies (SB & H)	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	GCU 114: World Social Studies (SB & G & H)	
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	GCU OR GPH OR GIS Elective	
SCN 300: Foundations of Environmental Education		
<b>Mathematics Track Courses</b>	<b>Physics Track Courses</b>	<b>Political Science Track Courses</b>
MAT 270: Calculus with Analytic Geometry I (MA)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	POS 110: American Government and Politics (SB) or POS 310: American National Government (SB)
MAT 271: Calculus with Analytic Geometry II (MA)	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	POS 150: Comparative Government (SB & G)
MAT 272: Calculus with Analytic Geometry III (MA)	PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	POS 160: Global Politics (SB & G)
MAT 300: Mathematical Structures (L)	PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	POS 210: Political Ideologies (SB)
MAT 310: Introduction to Geometry	PHY 252: Physics III (SQ)	POS 301: Empirical Political Inquiry (SB)
MAT OR MTE OR STP Elective	PHY Elective	POS Elective
<b>Chinese Track Courses</b>	<b>French Track Courses</b>	<b>German Track Courses</b>
CHI 201: Second-Year Chinese I (G)	FRE 201: Intermediate French I (G)	GER 201: Intermediate German I (G)
CHI 202: Second-Year Chinese II (G)	FRE 202: Intermediate French II (G)	GER 202: Intermediate German II (G)
CHI 301: Third-Year Chinese I (G)	FRE 305: Readings in French Literature (G)	GER 310: Advanced German Grammar and Composition I (G)
CHI 302: Third-Year Chinese II (G)	FRE 311: Oral and Written Expression I (G)	GER 311: German Conversation (G)
CHI Elective	FRE 312: Oral and Written Expression II (G)	GER 312: Readings in German Culture (G)
	FRE Elective	GER 313: Advanced German Grammar and Composition II (G)

GER Elective

Japanese Track Courses	Spanish Track Courses	Methods Course
JPN 201: Second-Year Japanese I (G)	SPA 201: Intermediate Spanish (G)	BIO 480: Methods of Teaching Biology
JPN 202: Second-Year Japanese II (G)	SPA 202: Intermediate Spanish (G)	CHM 480: Methods of Teaching Chemistry
JPN 301: Third-Year Japanese I (G)	SPA 313: Spanish Conversation and Composition (G)	ENG 480: Methods of Teaching English: Composition (L)
JPN 302: Third-Year Japanese II (G)	SPA 314: Spanish Conversation and Composition (G)	ENG 482: Methods of Teaching English: Language (L)
JPN Elective	SPA 315: Advanced Spanish I for Bilinguals (C)	HST 480: Methods of Teaching History: Classroom Resources
	SPA 316: Advanced Spanish II for Bilinguals (L & C)	MTE 482: Methods of Teaching Mathematics in Secondary School
	SPA 412: Advanced Conversation and Composition (G)	MTE 494: Advanced Methods of Teaching Mathematics in Secondary Schools
	SPA 413: Spanish Grammar in Context (G)	PHY 480: Methods of Teaching Physics
	SPA Elective	SED 403: Secondary Principles, Curriculum and Methods
		SED 480: Special Methods of Teaching Social Studies
		SED 482: Science Teaching Methods for Secondary Schools
		SES 480: Teaching Earth and Space Sciences
<b>Non-Teacher Certification Track</b>		
ECS Upper Division Elective		
EDT Upper Division Elective		
EDP Upper Division Elective		
SCN Upper Division Elective		
SED Upper Division Elective		
SPE Upper Division Elective		
SPF Upper Division Elective		
TEL Upper Division Elective		
USL Upper Division Elective		

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map

### Chemistry, BA

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LACHMBA

and




Secondary

Education,

BAE

Mary Lou Fulton Teachers College

TESEDBAE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR TEL 101: Professional Educator Series: The Student Experience	1		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Discuss <b>study abroad opportunities</b> with a School of Molecular Sciences advisor or an International Coordinator.</li> </ul>
CHM 237: General Organic Chemistry Laboratory I	1	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Computer/Statistics/Quantitative Applications (CS) 3

❖ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ PHY 112: General Physics (SQ)	3	C	<ul style="list-style-type: none"> <li>Teachers College Requirement: Apply for an <b>Identity Verified Print (IVP) DPS fingerprint clearance card</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
PHY 114: General Physics Laboratory (SQ)	1	C	
CHM 234: General Organic Chemistry II	3	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3		
Term hours subtotal:	15		

Term 5 60 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHM 325: Analytical Chemistry	3	C	<ul style="list-style-type: none"> <li>Meet with Teachers College advisor to complete paperwork needed to start education program. Call 480.965.5555 to schedule appointment by recommended deadline of September 15.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
CHM 326: Advanced Analytical Chemistry Laboratory	1	C	
EDP 313: Childhood and Adolescence (SB)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
★ Milestone: Complete online Intent to Progress form (meet with advisor).			
★ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
★ CHM 341: Elementary Physical Chemistry	3	C	
CHM 343: Elementary Physical Chemistry Laboratory	1	C	
Elective	1		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 453: Inorganic Chemistry	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> <li>• Students seeking teacher certification must pass state educator exams. Please speak with your education advisor to plan appropriately.</li> <li>• CHM 453 is only offered in the Fall semester.</li> <li>• Upper Division BCH or CHM Elective must be completed at Tempe campus and cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, or CHM 460.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ CHM 480: Methods of Teaching Chemistry OR PHY 480: Methods of Teaching Physics OR SED 482: Science Teaching Methods for Secondary Schools	3	C	
★ SED 496: Clinical Experience III	1	C	
CHM OR BCH Upper Division Elective	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12) OR Upper Division Non-Teacher Certification Track	12	C	<ul style="list-style-type: none"> <li>• If you choose not to participate in student teaching, select 12 hours from the non-certification track group below. Without student teaching, you will not be qualified for Arizona Department of Education Secondary Education Certification, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your education advisor and the <a href="#">Arizona Department of Education</a> for clarification. We highly encourage all students to complete student teaching.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

- Non-Teacher Certification Track
- ECS Upper Division Elective
- EDP Upper Division Elective
- EDT Upper Division Elective
- SCN Upper Division Elective
- SED Upper Division Elective
- SPE Upper Division Elective
- SPF Upper Division Elective
- TEL Upper Division Elective

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map Biological Sciences, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location:

LABSCBS

and



Secondary




Education,



BAE

[Mary Lou Fulton Teachers College](#)

TESEDBAE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences	1		<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics and science courses.</li> <li>An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.</li> <li>Students transferring General Biology I (BIO 181) will fulfill BIO 281 requirement.</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
BIO 281: Conceptual Approaches to Biology for Majors I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 282: Conceptual Approaches to Biology for Majors II	4	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake</b> account and build out your profile.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.).</li> <li>Students transferring General Biology II (BIO 182) will fulfill BIO 282 requirement.</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Humanities, Arts and Design (HU)	3		
 Complete BIO 281 AND BIO 282 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the <a href="#">pre-health website</a> for more information.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
CLAS Science and Society Elective	3	C	



Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3
◆ Complete First-Year Composition requirement.	
◆ Complete Mathematics (MA) requirement.	
Term hours subtotal:	17

- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester.
- Attend a [Study Abroad 101 Session](#).

Term 4 49 - 64 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ BIO 345: Organic Evolution	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>Identity Verified Print (IVP) DPS fingerprint clearance card</b>.</li> <li>• Meet with the <b>Career &amp; Professional Development Center</b> to learn how to develop professional skills.</li> </ul>
EDP 313: Childhood and Adolescence (SB)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Additional Major Requirement Course	3-4	C	
Upper Division CLAS Science and Society Elective	3	C	
Term hours subtotal:	15-16		

Term 5 64 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Major Elective Course	3	C	<ul style="list-style-type: none"> <li>• Meet with Teachers College advisor to complete paperwork needed to start education program. Call 480.965.5555 to schedule appointment by recommended deadline of September 15.</li> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the <a href="#">pre-health website</a> for more information.</li> <li>• Explore graduate school or full-time <a href="#">employment opportunities</a>.</li> </ul>
★ Major Laboratory/Research Course	1-4	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Complete 2 courses:			
Upper Division Additional Major Requirement Course	6	C	
★ Milestone: Complete online Intent to Progress form (meet with advisor).			
★ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14-17		

Term 6 78 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6th-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.</li> <li>• Students may substitute SED 398 for their Upper Division Major Laboratory/Research Course in Term 6. Speak to your SOLS advisor to discuss this special exception.</li> <li>• Use <a href="#">Handshake</a> to research employment opportunities.</li> </ul>
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Upper Division Additional Major Requirement Course	3	C	
Upper Division Major Laboratory/Research Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 94 - 110 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RDG 323: Literacy Processes in Content Areas	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6th-12th grade classroom. You</li> </ul>
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	

★ BIO 480: Methods of Teaching Biology OR PHY 494: Teaching Physical Science OR SED 482: Science Teaching Methods for Secondary Schools	3	C
★ SED 496: Clinical Experience III	1	C
Upper Division Additional Major Requirement Course	3	C
Upper Division Major Elective Course	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

will be required to complete 75 hours over 12 weeks. Reliable transportation is important.

- Students seeking teacher certification must pass state **educator exams**. Please speak with your education advisor to plan appropriately.
- Meet with your advisor to verify remaining degree requirements have been met prior to student teaching in Term 8.

Term 8 110 - 122 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SED 478: Student Teaching: Secondary Education (Grades 6-12) OR Upper Division Non-Teacher Certification Track	12	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	12	

- If you choose not to participate in student teaching, select 12 hours from the non-certification track group below. Without student teaching, you will not be qualified for Arizona Department of Education Secondary Education Certification, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your education advisor and the **Arizona Department of Education** for clarification. We highly recommend all students complete student teaching.

- Some upper-division track courses require prerequisites not required for this degree. Students may wish to use elective hours to complete those prerequisites.
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/resources/science-society>. At least one of the two courses must be upper-division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

Major Laboratory/Research Courses	Major Elective Courses	Additional Major Requirements Courses
BCH 367: Elementary Biochemistry Laboratory	BCH 361: Advanced Principles of Biochemistry	BIO 303: Plant Diversity and Evolution (L or SG)
BIO 308: Plant Physiology	BIO 302: Cancer--Mother of All Diseases (L)	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) or HPS 340: Biology and Society or BIO 311: Biology and Society or HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)
BIO 321: Introductory Ecology Laboratory	BIO 304: Plants and Civilization (L)	BIO 320: Fundamentals of Ecology
BIO 342: General Genetics Laboratory	BIO 313: The Flora of Arizona	BIO 331: Animal Behavior
BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H)	BIO 351: Developmental Biology
BIO 352: Laboratory in Vertebrate Developmental Anatomy	BIO 322: Conservation of Biodiversity	BIO 353: Cell Biology
BIO 361: Animal Physiology Laboratory	BIO 323: Ecosystem Restoration and Management	
	BIO 325: Oceanography	

BIO 386: General Entomology	BIO 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)	BIO 360: Animal Physiology
BIO 435: Research Techniques in Animal Behavior	BIO 415: Biometry (CS)	BIO 370: Vertebrate Zoology
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	BIO 416: Biomedical Research Ethics (L)	MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)
BIO 453: Animal Histology	BIO 423: Population and Community Ecology	
BIO 471: Ornithology	BIO 427: Fire (H)	
BIO 472: Mammalogy	BIO 431: Genes, Development, and Evolution (L)	
BIO 474: Herpetology	BIO 436: Sociobiology and Behavioral Ecology	
BIO 495: Undergraduate Research	BIO 440: Functional Genomics or MBB 440: Functional Genomics	
MBB 350: Applied Genetics	BIO 446: Principles of Human Genetics (L)	
MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	BIO 461: Comparative Animal Physiology	
MIC 302: Advanced Bacteriology Laboratory (L)	BIO 462: Endocrine Physiology	
	BIO 467: Neurobiology	
	HPS 322: History of Science (HU & H)	
	HPS 323: History of Science (HU & H)	
	HPS 330: History of Biology: Conflicts and Controversies (H)	
	MIC 360: Bacterial Physiology	
	MIC 420: Immunology: Molecular and Cellular Foundations	
	MIC 485: General Virology	
<b>Non-Teacher Certification Track</b>		
ECS Upper Division Elective		
EDP Upper Division Elective		
EDT Upper Division Elective		
SCN Upper Division Elective		
SED Upper Division Elective		
SPE Upper Division Elective		
SPF Upper Division Elective		
TEL Upper Division Elective		
USL Upper Division Elective		

**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 122

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Secondary Education (Biological Sciences), BAE





School/College: [Mary Lou Fulton Teachers College](#)



Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

TEBIOBAE

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into upper-division coursework.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	14		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Apply for an identify verified print (IVP) <b>fingerprint clearance card</b> online.</li> <li>• Your IVP fingerprint card will be needed for clinical experience requirements.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H) (HST 109 recommended)	3		
Elective OR Science Education Course	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 USL 216: Service Learning: For Educators (L & C)	3	C	
BIO 320: Fundamentals of Ecology	3	C	

EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) OR MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C
Elective OR Science Education Course	3	
Milestone: Complete online Intent to Progress form (meet with advisor).		
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.		
Minimum 2.50 GPA ASU Cumulative.		

Term hours subtotal: 16

Term 5 63 - 77 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
BIO 340: General Genetics OR LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 77 - 94 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
BIO 480: Methods of Teaching Biology OR SCN 494: Biology for Teachers	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher, in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
SED 397: Clinical Experience II	1	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
BIO 201: Human Anatomy and Physiology I (SG) OR BIO 360: Animal Physiology OR PLB 308: Plant Physiology	4-3	C	
BIO 345: Organic Evolution	3	C	
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17-16		

Term 7 94 - 108 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
RDG 323: Literacy Processes in Content Areas	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher, in a 6-12th grade classroom.</li> <li>• Students seeking teacher certification must pass required <b>educator exams</b>. Please speak with your advisor to plan appropriately.</li> </ul>
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
SED 482: Science Teaching Methods for Secondary Schools OR PHY 494: Teaching Physical Science	3	C	
SED 496: Clinical Experience III	1	C	
BIO 370: Vertebrate Zoology OR BIO 385: Comparative Invertebrate Zoology OR PLB 300: Plant Diversity and Evolution (L or SG) OR BIO 386: General Entomology	4	C	
Term hours subtotal:			

- Must complete at least 60 credits, including prerequisite courses, to progress into upper-division education coursework.
- Meet with your advisor to submit intent to progress early in Term 4.
- Attendance is required at an orientation prior to registration for Term 5.
- Develop your **professional online presence**

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 14

- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	
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Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 12

- Your student teaching practicum requires a full-time commitment in a 6-12th grade classroom for the semester.

#### Hide Course List(s)/Track Group(s)

##### Science Education Electives

SCN 205: Introduction to Tropical Ecology: A Cultural Exchange

SCN 209: Introduction to Environmental Education Project

SCN 250: Physical Science by Inquiry (SQ)

SCN 300: Foundations of Environmental Education

SCN 301: Ecology and Natural History of the Sonoran Desert (SG)

SCN 302: Environmental Education (L & G)

SCN 303: Environmental Education Internship

SCN 304: Sonoran Desert Flora

SCN 305: Tropical Ecology: A Cultural Exchange

SCN 307: Learning from Nature: Biomimicry and STEM

SCN 308: Urban Environmental Education

SCN 401: Sustainability Science, Technology, and Society

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.





## 2019 - 2020 Major Map



### Secondary Education (Chemistry), BAE







School/College: [Mary Lou Fulton Teachers College](#)


Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

TECHMBAE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into upper-division coursework.</li> <li>• Select your <b>career interest communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	15		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	<ul style="list-style-type: none"> <li>• Apply for identity verified print (IVP) <b>fingerprint clearance card online</b>.</li> <li>• Your IVP fingerprint card will be needed for clinical experience requirements.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 CHM 325: Analytical Chemistry AND CHM 326: Advanced Analytical Chemistry Laboratory	4	C	
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C
❖ USL 216: Service Learning: For Educators (L & C)	3	C
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C
PHY 101: Introduction to Physics (SQ)	4	C
❖ Milestone: Complete online Intent to Progress form (meet with advisor).		
❖ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	14	

- Must complete at least 60 credits, including foundational coursework, to progress into upper-division education coursework.
- Meet with your advisor to submit intent to progress early in Term 4.
- Attendance is required at an orientation prior to registration for Term 5.
- Develop your **professional online presence**.

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
★ SED 464: Middle-School Curr/Org	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
CHM 341: Elementary Physical Chemistry	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H) (HST 109 recommended)	3		
Elective OR Science Education Course	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• CHM 480 is only available in the summer. PHY 480 is available in the spring terms.</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
★ CHM 480: Methods of Teaching Chemistry OR PHY 480: Methods of Teaching Physics	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
BCH 361: Advanced Principles of Biochemistry OR CHM 302: Environmental Chemistry OR CHM 453: Inorganic Chemistry	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ RDG 323: Literacy Processes in Content Areas	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Students seeking teacher certification must pass required <b>educator exams</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 482: Science Teaching Methods for Secondary Schools OR PHY 494: Teaching Physical Science	3	C	
★ SED 496: Clinical Experience III	1	C	

BCH 361: Advanced Principles of Biochemistry OR CHM 302: Environmental Chemistry OR CHM 453: Inorganic Chemistry	3	C
Elective OR Science Education Course	3	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12) Minimum 2.50 GPA ASU Cumulative.	12	C	• Your student teaching practicum requires a full-time commitment in a 6-12th grade classroom for the semester.
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Science Education Electives
SCN 205: Introduction to Tropical Ecology: A Cultural Exchange
SCN 209: Introduction to Environmental Education Project
SCN 250: Physical Science by Inquiry (SQ)
SCN 300: Foundations of Environmental Education
SCN 301: Ecology and Natural History of the Sonoran Desert (SG)
SCN 302: Environmental Education (L & G)
SCN 303: Environmental Education Internship
SCN 304: Sonoran Desert Flora
SCN 305: Tropical Ecology: A Cultural Exchange
SCN 307: Learning from Nature: Biomimicry and STEM
SCN 308: Urban Environmental Education
SCN 401: Sustainability Science, Technology, and Society

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Secondary Education (Earth and Space Sciences), BAE





School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus, Tempe campus, West campus

EDESSBAE

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into upper-division coursework.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	14-15		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AST 111: Introduction to Solar Systems Astronomy (SQ) AND AST 113: Astronomy Laboratory I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Apply for identity verified print (IVP) <b>fingerprint clearance card online</b>.</li> <li>• Your IVP fingerprint card will be needed for clinical experience requirements.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) AND AST 114: Astronomy Laboratory II (SQ) OR GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG) OR GLG 108: Water Planet (SQ) OR GLG 110: Dangerous World (SG & G) AND GLG 111: Dangerous World Laboratory (SG) OR SES 106: Habitable Worlds (SQ)	4	C	
Elective OR Science Education Course	3		
Term hours subtotal:	17		

❖ Complete Mathematics (MA) requirement.

Term hours subtotal: 17

Term 4 48 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ USL 216: Service Learning: For Educators (L & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including all foundational coursework, prior to progressing into upper-division education coursework.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
GLG 325: Oceanography OR GLG 327: Earth's Critical Zone OR GPH 212: Introduction to Meteorology (SQ) OR GPH 213: Climate and Weather (SG)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H) (HST 109 recommended)	3		
❖ Milestone: Complete online Intent to Progress form (meet with advisor).			
❖ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GLG 310: Structural Geology	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
★ SED 396: Clinical Experience I	1	C	
★ SED 464: Middle-School Curr/Org	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
GLG 325: Oceanography OR GLG 327: Earth's Critical Zone OR GPH 212: Introduction to Meteorology (SQ) OR GPH 213: Climate and Weather (SG)	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ GLG 321: Mineralogy	3	C	
★ GLG 451: Field Geology I (L)	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
SES 480: Teaching Earth and Space Sciences OR PHY 480: Methods of Teaching Physics	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GLG 301: Earth Science in Arizona and the Southwest	3	C
★ RDG 323: Literacy Processes in Content Areas	3	C
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 482: Science Teaching Methods for Secondary Schools OR PHY 494: Teaching Physical Science	3	C
★ SED 496: Clinical Experience III	1	C
Elective OR Science Education Course	3	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.
- Students seeking teacher certification must pass required **educator exams**.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- Your student teaching practicum requires a full-time commitment in a 6-12th grade classroom for the semester.

Hide Course List(s)/Track Group(s)

Science Education Electives
SCN 205: Introduction to Tropical Ecology: A Cultural Exchange
SCN 209: Introduction to Environmental Education Project
SCN 250: Physical Science by Inquiry (SQ)
SCN 300: Foundations of Environmental Education
SCN 301: Ecology and Natural History of the Sonoran Desert (SG)
SCN 302: Environmental Education (L & G)
SCN 303: Environmental Education Internship
SCN 304: Sonoran Desert Flora
SCN 305: Tropical Ecology: A Cultural Exchange
SCN 307: Learning from Nature: Biomimicry and STEM
SCN 308: Urban Environmental Education
SCN 401: Sustainability Science, Technology, and Society

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.









## 2019 - 2020 Major Map







### Secondary Education (English), BAE

School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus, Tempe campus, West campus  
TEENGBAE

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into upper-division course work.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Term hours subtotal:	17		

Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
TEL 102: Professional Educator Series: Community Contexts	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Apply for identify verified print (IVP) <b>fingerprint clearance card</b> online.</li> <li>• Your IVP fingerprint card will be needed for clinical experience requirements.</li> <li>• Develop your <b>skills</b>.</li> </ul>
<i>Complete 2 courses:</i>			
 ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	6	C	
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Complete 2 courses:

<p>ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU &amp; H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) &amp; C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)</p>	6	C
<p>USL 216: Service Learning: For Educators (L &amp; C)</p>	3	C
<p>ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 311: Persuasive Writing (L)</p>	3	C
<p>Elective</p>	3	
<p>Milestone: Complete online Intent to Progress form (meet with advisor).</p>		
<p>Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.</p>		
<p>Minimum 2.50 GPA ASU Cumulative.</p>		
Term hours subtotal:		15

- Must complete at least 60 credits, including foundational coursework, to progress into upper-division education coursework.
- Meet with your advisor to submit intent to progress early in Term 4.
- Attendance is required at an orientation prior to registration for Term 5.
- Develop your **professional online presence**

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> <li>• ENG 486 is typically offered every other year in the fall term. It is a recommended ENG elective for teachers.</li> <li>• GCU 113 is a recommended elective for teachers, since it meets the US and AZ constitution requirement.</li> </ul>
★ SED 464: Middle-School Curr/Org	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar OR ENG 323: Rhetoric and Grammar (L)	3	C	
ENG 486: Teaching Text OR ENG Elective	3	C	
GCU 113: United States and Arizona Social Studies (SB & H) OR Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 6 79 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
★ ENG 480: Methods of Teaching English: Composition (L) OR SED 481: English Teaching Methods for Secondary Schools	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
ENG 321: Shakespeare (L or HU) OR ENG 421: Studies in Shakespeare (L or HU) OR ENG 422: Special Topics in Shakespeare (HU)	3	C	
ENG 471: Literature for Young Adults (HU)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 7 95 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 482: Methods of Teaching English: Language (L)	3	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	

★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 496: Clinical Experience III	1	C
Ethnic Literature Course	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	13	

- During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.
- Students seeking teacher certification must pass required **educator exams**. Please speak with your advisor to plan appropriately.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	• Your student teaching practicum requires a full-time commitment in a 6-12th grade classroom for the semester.
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Ethnic Literature Courses
ENG 333: American Ethnic Literature ((L or HU) & C)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
ENG 359: Indigenous American Literature ((L or HU) & C)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)
ENG 364: Women and Literature (HU)
ENG 461: Studies in Women and Literature (HU)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Secondary Education (History), BAE






School/College: Mary Lou Fulton Teachers College


Location: Polytechnic campus, Tempe campus, West campus

TEHISBAE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into upper-division coursework.</li> <li>• Select your <b>career interest area</b> and play me3@ASU.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>• Apply for an identify verified print (IVP) <b>fingerprint clearance card</b>.</li> <li>• Your IVP fingerprint card will be needed for clinical experience requirements.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
HST 130: The Historian's Craft	3	C	
Natural Science - Quantitative (SQ)	4	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ USL 216: Service Learning: For Educators (L & C)	3	C
<i>Complete 2 courses:</i>		
GCU OR POS OR ECN Elective	6	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C
Elective	3	
❖ Milestone: Complete online Intent to Progress form (meet with advisor).		
❖ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- Must complete at least 60 credits, including foundational coursework, to progress into upper-division education coursework.
- Meet with your advisor to submit intent to progress early in Term 4.
- Attendance is required at an orientation prior to registration for Term 5.
- Develop your **professional online presence**.

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
★ SED 464: Middle-School Curr/Org	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
<i>Complete 2 courses:</i>			
Upper Division U.S. History	6	C	
Upper Division HST course (HU)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ HST 480: Methods of Teaching History: Classroom Resources OR SED 480: Special Methods of Teaching Social Studies	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
Upper Division Non-U.S. History	3	C	
Upper Division U.S. History	3	C	
Minimum 2.50 GPA ASU Cumulative.			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 95 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 481: Methods of Teaching History: Community Resources	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Students seeking teacher certification must pass required <b>educator exams</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	C	
HST 495: Methods of Historical Inquiry (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

	Minimum
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Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
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★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

- Your student teaching practicum requires a full-time commitment in a 6-12th grade classroom for the semester.

Hide Course List(s)/Track Group(s)

U.S. History	Non-U.S. History
AMS 412: The Bill of Rights and the US Supreme Court (H)	HST 303: Studies in Asian History (SB & H)
HST 314: American Cultural History Since 1865 ((HU or SB) & H)	HST 304: Studies in European History (SB & H)
HST 315: Political History of the U. S. (SB & H)	HST 305: Studies in Latin American History (SB & H)
HST 316: 20th-Century U.S. Foreign Relations (SB & H)	HST 309: Exploration and Empire ((L or HU) & H)
HST 318: History of Engineering ((L or SB) & G)	HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)
HST 320: U.S. Urban History since 1850 (SB & H)	HST 348: Rome (SB & H)
HST 321: Constitutional History/US to 1865 (SB & H)	HST 349: Early Middle Ages ((HU or SB) & H)
HST 322: Constitutional History of the United States Since 1865 (H)	HST 350: Later Middle Ages ((HU or SB) & H)
HST 325: Immigration and Ethnicity in the United States (SB & H & C)	HST 351: Renaissance Europe ((L or HU or SB) & H)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	HST 352: Europe's Reformations ((L or HU or SB) & H)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	HST 353: Old Regime in Europe (SB & H)
HST 329: Women in 20th-Century U.S. West (H & C)	HST 354: Revolutionary Europe (SB & H)
HST 331: Mexican American History to 1900 (SB & H & C)	HST 355: Total War and the Crisis of Modernity (SB & G & H)
HST 332: Mexican American History Since 1900 (SB & H & C)	HST 356: Europe since 1945 (SB & G & H)
HST 333: African American History to 1865 (SB & H & C)	HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)
HST 334: African American History Since 1865 ((HU or SB) & C & H)	HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)
HST 337: American Indian History to 1900 ((HU or SB) & C & H)	HST 366: England to 1689 (SB & H)
	HST 367: Modern Britain (SB & H)
	HST 368: Culture and Imagination in European History (HU & H)
	HST 370: Eastern Europe in Transition (SB & G & H)

HST 338: American Indian History since 1900 (HU or SB) & C & H)	HST 372: Modern Middle East (SB & G & H)
HST 341: U.S. West 19th Century (SB & H)	HST 375: Colonial Latin America (SB & H)
HST 342: U.S. West 20th Century (SB & H)	HST 376: Modern Latin America (SB & G & H)
HST 343: American Southwest ((L or SB) & H)	HST 383: China (SB & H)
HST 344: Arizona (SB & H)	HST 384: Modern China: 1700 to the Present (SB & G & H)
HST 405: Colonial American History to 1763 (SB & H)	HST 387: Japan ((L or SB) & H)
HST 406: American Revolution/1763-1789 (SB & H)	HST 388: Japan (SB & G & H)
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H)	HST 391: Modern Southeast Asia (SB & G & H)
HST 408: Civil War and Reconstruction ((L or SB) & H)	HST 404: Conquest and Encounters in Colonial Latin America (L & G)
HST 409: Emergence Modern U.S. 1877-1918 (SB & H)	HST 419: 20th Century Chicano/a History (C)
HST 412: Contemporary U.S., 1973- Present (SB & H)	HST 423: The Tudor Monarchy (SB & H)
HST 413: Contemporary America ((L or SB) & H)	HST 424: The Stuart Monarchy (SB & H)
HST 443: The United States and Latin America (SB & G & H)	HST 426: The British Empire (H)
	HST 427: French Revolution/Napoleonic Era (SB & H)
	HST 429: Modern Germany (SB & G & H)
	HST 430: The Ottoman Empire in the Classical Period
	HST 432: Eastern Europe the Balkans, 20th Century (G & H)
	HST 435: The Russian Empire (SB & H)
	HST 436: The Soviet Experiment (SB & G & H)
	HST 439: Athenian Democracy (H)
	HST 441: Latin America and the World Economy (L & G & H)
	HST 443: The United States and Latin America (SB & G & H)
	HST 445: 20th-Century Cuba (SB & G & H)
	HST 447: Modern Mexico (SB & H)
	HST 451: Chinese Cultural History I ((HU or SB) & H)
	HST 454: History of Genocide (G & H)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum

**General University Requirements Legend**  
General Studies Core Requirements:



**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map



### Secondary Education (Mathematics), BAE





School/College: Mary Lou Fulton Teachers College


Location: Polytechnic campus, Tempe campus, West campus

TEMATBAE

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement into mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into upper-division coursework.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	14		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Term hours subtotal:	17		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• Apply for an identify verified print (IVP) <b>fingerprint clearance card</b> online.</li> <li>• Your IVP fingerprint card will be needed for clinical experience requirements.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
MAT 207: Algebra and Geometry in the High School AND MTE 210: Mentored Tutoring Internship OR MAT 243: Discrete Mathematical Structures	3-4	C	
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16-17		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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📌 USL 216: Service Learning: For Educators (L & C)	3	C
MAT 300: Mathematical Structures (L)	3	C
STP 420: Introductory Applied Statistics (CS)	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H) (HST 109 recommended)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C
📌 Milestone: Complete online Intent to Progress form (meet with advisor).		
📌 Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.		
📌 Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- Must complete at least 60 credits, including foundational coursework, to progress into upper-division education coursework.
- Meet with your advisor to submit intent to progress early in Term 4.
- Attendance is required at an orientation prior to registration for Term 5.
- Develop your **professional online presence**.

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
★ SED 464: Middle-School Curr/Org	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
MAT 310: Introduction to Geometry	3	C	
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
MTE 250: Technology and Mathematical Visualization OR MAT 275: Modern Differential Equations (MA) OR MAT Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 95 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• MTE 320 is typically offered in Tempe in the spring term.</li> <li>• MTE 482 is typically offered at West campus in the spring term.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
MTE 320: Conceptual Foundations of 7-12 Mathematics Curricula and Assessment OR MTE 482: Methods of Teaching Mathematics in Secondary School	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 95 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MTE 482: Methods of Teaching Mathematics in Secondary School OR MTE 494: Advanced Methods of Teaching Mathematics in Secondary Schools	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• MTE 482 is typically taught in Tempe in the fall term.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	C	

MTE 430: The Development of Mathematical Thinking OR MAT 411: History and Philosophy of Mathematics (HU & H) OR MAT 443: Introduction to Abstract Algebra OR MAT 445: Theory of Numbers OR MAT 450: Mathematical Models in Biology OR MAT 451: Mathematical Modeling (CS) OR Elective

3

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 13

- MTE 494 is typically taught at West campus in the fall term.
- Students seeking teacher certification must pass required **educator exams**. Please speak with your advisor to plan appropriately.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	• Your student teaching practicum requires a full-time commitment in a 6-12th grade classroom for the semester.
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.






## 2019 - 2020 Major Map





### Secondary Education (Physical Education), BAE






School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus

ECPPEBAE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
 TEL 111: Exploration of Education (SB)	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health	2		
TEL 101: Professional Educator Series: The Student Experience	1		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health	2		
TEL 102: Professional Educator Series: Community Contexts	3	C	
Natural Science - Quantitative (SQ) ( BIO 100 OR ABS 130 recommended)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health	2		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Milestone: Complete online Intent to Progress form (meet with advisor). Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including foundational coursework, to progress into upper-division.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
⚠ TEL 208: Literacy in a Changing World	3	C	
⚠ USL 216: Service Learning: For Educators (L & C)	3	C	
PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health	2		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
⚠ Minimum 2.50 GPA ASU Cumulative.			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	15		

Term 5 60 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• Become a member of the <b>Arizona Health &amp; Physical Education State Association</b></li> </ul>
★ EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
★ PPE 300: Introduction to Physical Education, Fitness and Sport	3	C	
★ PPE 315: Pediatric Movement Sciences for Physical Educators	3	C	
★ PPE 396: Clinical Experience in Physical Education: Elementary	2	C	
★ PPE 450: Physical Education for the Elementary School	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PPE 320: Exercise Physiology Concepts for Physical Educators	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
★ PPE 397: Clinical Experience: Physical Education Secondary (Grades 6-12)	2	C	
★ PPE 455: Physical Education in the Secondary School	3	C	
★ PPE 460: Adapted and Inclusive Physical Education	3	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EDP 313: Childhood and Adolescence (SB)	3	C	
★ PPE 477: Student Teaching: Physical Education Elementary (Grades 1-8)	6	C	
★ PPE 480: Professional Seminar for Physical Education	3	C	
PPE Elective	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PPE 465: Teaching Physical Activity Concepts (L)	3	C	
★ PPE 478: Student Teaching: Physical Education Secondary (Grades 6-12)	5	C	
★ PPE 485: Physical Activity Leadership in Schools	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14	

Hide Course List(s)/Track Group(s)

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map





### Secondary Education (Physics), BAE






School/College: Mary Lou Fulton Teachers College


Location: Polytechnic campus, Tempe campus, West campus

EDPHYBAE

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement into mathematics courses</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into upper-division coursework.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	14		

Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) OR PHY 150: Physics I (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• Apply for your identity verified print (IVP) <b>fingerprint clearance card</b> online.</li> <li>• Your IVP fingerprint card will be needed for clinical experience requirements.</li> <li>• Develop your <b>skills</b>.</li> </ul>
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND  PHY 132: University Physics Laboratory II (SQ) OR PHY 151: Physics II (SQ)	4	C	
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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🚩 PHY 201: Mathematical Methods in Physics I (CS)	3	C
🚩 PHY 252: Physics III (SQ)	4	C
🚩 USL 216: Service Learning: For Educators (L & C)	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H) (HST 109 recommended)	3	
Elective OR Science Education Course	2	
🚩 Milestone: Complete online Intent to Progress form (meet with advisor).		
🚩 Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.		
🚩 Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

- Must complete at least 60 credits, including foundational coursework, to progress into upper-division education coursework.
- Meet with your advisor to submit intent to progress early in Term 4.
- Attendance is required at an orientation prior to registration for Term 5.
- Develop your **professional online presence**.

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
★ PHY 310: Classical Particles, Fields, and Matter I	3	C	
★ PHY 314: Quantum Physics I OR PHY 361: Introductory Modern Physics	3	C	
★ SED 396: Clinical Experience I	1	C	
★ SED 464: Middle-School Curr/Org	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ PHY 333: Electronic Circuits and Measurements	3	C	
★ PHY 480: Methods of Teaching Physics	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ RDG 323: Literacy Processes in Content Areas	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Students seeking teacher certification must pass required <b>educator exams</b>. Please speak with your advisor to plan appropriately.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 482: Science Teaching Methods for Secondary Schools OR PHY 494: Teaching Physical Science	3	C	
★ SED 496: Clinical Experience III	1	C	
PHY Upper Division Elective	3	C	

Elective OR Science Education Course 3

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	• Your student teaching practicum requires a full-time commitment in a 6-12th grade classroom for the semester.
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

#### Hide Course List(s)/Track Group(s)

##### Science Education Course

SCN 205: Introduction to Tropical Ecology: A Cultural Exchange

SCN 209: Introduction to Environmental Education Project

SCN 250: Physical Science by Inquiry (SQ)

SCN 300: Foundations of Environmental Education

SCN 301: Ecology and Natural History of the Sonoran Desert (SG)

SCN 302: Environmental Education (L & G)

SCN 303: Environmental Education Internship

SCN 304: Sonoran Desert Flora

SCN 305: Tropical Ecology: A Cultural Exchange

SCN 307: Learning from Nature: Biomimicry and STEM

SCN 308: Urban Environmental Education

SCN 401: Sustainability Science, Technology, and Society

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Secondary Education (Political Science), BAE






School/College: [Mary Lou Fulton Teachers College](#)


Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

TEPOLBAE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into upper-division coursework.</li> <li>• Select your <b>career interest communities</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>• Apply for an identity verified print (IVP) <b>fingerprint clearance card</b> online.</li> <li>• Your IVP fingerprint card will be needed for clinical experience requirements.</li> <li>• Develop your <b>skills</b>.</li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ USL 216: Service Learning: For Educators (L & C)	3	C
.....		
❖ Complete 2 courses:	6	C
POS Elective		
GCU OR HST OR ECN Elective	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
.....		
❖ Milestone: Complete online Intent to Progress form (meet with advisor).		
.....		
❖ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.		
.....		
❖ Minimum 2.50 GPA ASU Cumulative.		
.....		
Term hours subtotal:	15	

- Must complete at least 60 credits, including foundational coursework, to progress into upper-division education coursework.
- Meet with your advisor to submit intent to progress early in Term 4.
- Attendance is required at an orientation prior to registration for Term 5.
- Develop your **professional online presence**.

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
★ SED 464: Middle-School Curr/Org	3	C	
★ SED 480: Special Methods of Teaching Social Studies	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
POS Upper Division Elective	3	C	
GCU OR HST OR ECN Elective	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ HST 481: Methods of Teaching History: Community Resources	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
POS 301: Empirical Political Inquiry (SB)	3	C	
POS Upper Division Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 95 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ RDG 323: Literacy Processes in Content Areas	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Students seeking teacher certification must pass required <b>educator exams</b>. Please speak with your advisor to plan appropriately.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	C	
Complete 2 courses:	6	C	
POS Upper Division Elective			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	12	

- Your student teaching practicum requires a full-time commitment in a 6-12th grade classroom for the semester.

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.



## 2019 - 2020 Major Map




### Secondary Education (Spanish), BAE





School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus, Tempe campus, West campus

TESPABAE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (G)	4	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Language Placement exam required. For more information, please see <a href="#">ASU Language Placement Testing</a>.</li> <li>• Consult with advisor regarding registration in appropriate Spanish course based on test scores.</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into upper-division coursework.</li> <li>• Select your <a href="#">career interest communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Elective	1		
Term hours subtotal:	15		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (G)	4	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)	3	C	<ul style="list-style-type: none"> <li>• Apply for an identity verified print (IVP) <a href="#">fingerprint clearance card</a> online.</li> <li>• Your IVP fingerprint card will be needed for clinical experience requirements.</li> <li>• Develop your <a href="#">skills</a>.</li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4 C

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including foundational coursework, to progress into upper-division education coursework.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
◆ SPA 325: Introduction to Hispanic Literature (HU)	3	C	
◆ USL 216: Service Learning: For Educators (L & C)	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
Historical Awareness (H) ( HST 109 recommended)	3		
◆ Milestone: Complete online Intent to Progress form (meet with advisor).			
◆ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
◆ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
★ SED 464: Middle-School Curr/Org	3	C	
★ SLC 479: Introduction to Teaching Foreign Languages	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
SPA 412: Advanced Conversation and Composition (G)	3	C	
SPA 413: Spanish Grammar in Context (G)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 95 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ SED 397: Clinical Experience II	1	C	
★ SLC 480: Methods of Teaching Foreign Languages	3	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Upper Division Spanish Literature	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 95 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RDG 323: Literacy Processes in Content Areas	3	C	



★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 496: Clinical Experience III	1	C
Upper Division Spanish Civilization	3	C
Upper Division Spanish Literature	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	13	

- During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom.
- Students seeking teacher certification must pass required **educator exams**. Please speak with your advisor to plan appropriately.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	• Your student teaching practicum requires a full-time commitment in a 6-12th grade classroom for the semester.
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Upper Division Spanish Civilization Courses	Upper Division Spanish Literature Courses
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)	SPA 426: Literature and Society in Modern Spain (HU)
SPA 472: Latin American Society: Five Case Studies (HU & H & G)	SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)	SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)
	SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.







## 2019 - 2020 Major Map





### Special Education (Visual Impairment), BAE





School/College: Mary Lou Fulton Teachers College

Location: Tempe campus, West campus

TESPEVIBAE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the iTeachAZ Program.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: Professional Educator Series: The Student Experience	1		
 TEL 111: Exploration of Education (SB)	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
Elective	2		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	16		

Term 3 31 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C	<ul style="list-style-type: none"> <li>• <b>Develop your skills</b></li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Elective	1		
 Milestone: Complete online Intent to Progress form (meet with advisor).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	13		

Term 4 44 - 57 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ RDG 291: Children's Literature (HU)	3	C	<ul style="list-style-type: none"> <li>• Must complete 60 credits including foundational courses to progress into iTeachAZ.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
USL 216: Service Learning: For Educators (L & C)	3	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Milestone: Must attend an iTeachAZ Enrollment Workshop			
⚠ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 57 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EED 433: Language Method Management and Assessment	3	C	
★ SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth	3	C	
★ SPE 396: Clinical Experience I	2	C	
EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
SPE 443: Foundations of Instruction for Students with Visual Impairments	3	C	
SPE 445: Orientation and Mobility for Teachers of the Visually Impaired	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 74 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SPE 323: Behavioral Strategies for All Students	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
★ SPE 325: Language Literacy 1 in Elementary Schools	3	C	
★ SPE 397: Clinical Experience II	2	C	
★ SPE 410: Mathematics in Elementary Schools	3	C	
SPE 441: Reading and Writing Braille	3	C	
SPE 442: Teaching Methodologies for Students with Visual Impairments	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 7 91 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SPE 321: Classroom and SPE Assessment	3	C	
★ SPE 423: Methods of Cross-Categorical Special Education I	3	C	
★ SPE 424: Methods of Cross-Categorical Special Education II	3	C	
SPE 444: Diagnostic and Assessment: Procedures for the Visually Impaired	3	C	
SPE 446: Modes of Communication	3	C	
SPE 496: Clinical Experience III	2	C	

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 17

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPE 430: Professional Practices, Foundations, and Collaborative Teaching in Special Education (L)	3	C	
★ SPE 447: Student Teaching for Teachers of the Visually Impaired	6	C	
Elective	3		

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition






General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

## 2019 - 2020 Major Map




### Special Education and Elementary Education, BAE



School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus, Tempe campus, West campus, ASU@The Gila Valley, ASU@Yuma  
TESPEBAE

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
 TEL 111: Exploration of Education (SB)	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
Elective	1		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
TEL 102: Professional Educator Series: Community Contexts	3	C	
Humanities, Arts and Design (HU) ( RDG 291 recommended)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Elective	2		
Complete Mathematics (MA) requirement.			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 208: Literacy in a Changing World	3	C	

❖ USL 216: Service Learning: For Educators (L & C)	3	C
MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C
Historical Awareness (H) ( GCU 113 recommended)	3	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
❖ Milestone: Complete online Intent to Progress form (meet with advisor).		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		15

- Must complete 60 credits, including foundational courses, to progress into upper-division education coursework.
- Develop your **professional online presence**

Term 5 60 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
★ EED 396: Clinical Experience I	2	C	
★ EED 411: Science in Elementary Schools	3	C	
★ EED 433: Language Method Management and Assessment	3	C	
★ MTE 301: Investigating Change: Patterns, Functions, and Modeling	3	C	
★ SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth OR BLE 408: SEI for Linguistically Diverse Learners (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 6 77 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 324: Social Studies in Elementary Schools	3	C	• Complete an in-person or virtual practice interview
★ SCN 400: Sustainability Science for Teachers	3	C	
★ SPE 323: Behavioral Strategies for All Students	3	C	
★ SPE 325: Language Literacy 1 in Elementary Schools OR RDG 322: Language Literacy 1 in Elementary Schools	3	C	
★ SPE 396: Clinical Experience I	2	C	
★ SPE 410: Mathematics in Elementary Schools OR EED 412: Mathematics in Elementary Schools	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 7 94 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 478: Student Teaching: Elementary School (Grades 1-8)	8	C	
★ SPE 321: Classroom and SPE Assessment	3	C	
★ SPE 411: Family Involvement and Regulatory Issues	3	C	
★ SPE 423: Methods of Cross-Categorical Special Education I	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

		Minimum	
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Term 8 111 - 125 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ SPE 424: Methods of Cross-Categorical Special Education II	3	C	
★ SPE 430: Professional Practices, Foundations, and Collaborative Teaching in Special Education (L)	3	C	
★ SPE 478: Student Teaching: Special Education (Grades K-8)	8	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14	

Hide Course List(s)/Track Group(s)

**Total Hours:** 125  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2019 - 2020 academic year.

# Pathway Agreement



Print


## Maricopa Community College District Accountancy, BS Pathway 2019-2020


ASU Major: [Accountancy, BS | W. P. Carey School of Business](#)



### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
COM 225: Public Speaking  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
ECN 211: Macroeconomic Principles  3 hrs

ECN 212: Microeconomic Principles  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.






Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



<b>ABUS Business Electives</b>	<b>0-6 hrs</b>	Select two courses (6 hours) from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. Select in consultation with a Maricopa Advisor
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
COM 100: Introduction to Human Communication or COM 230: Small Group Communication	0-3 hrs 	The Accountancy degree requires COM 100 or COM 230 (in addition to COM 225).
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3 hrs	
PSY course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**Actuarial Science, BS Pathway**  
**2019-2020**



ASU Major: [Actuarial Science, BS](#) | College of Liberal Arts and Sciences



## Pathway Requirements


**First-Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs



**Literacy and Critical Inquiry [L]**  
 COM 225: Public Speaking  3 hrs



**Mathematical Studies [MA]**  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs



CIS 105: Survey of Computer Information  
 Systems   3 hrs


**Humanities, Arts, and Design [HU]**  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


**Social-Behavioral Science [SB]**  
 Social-Behavioral Science [SB]   3 hrs ECN 211 and ECN 212 recommended for SB designation. If taken, students must pass with a B or better.

Social-Behavioral Science [SB]   3 hrs ECN 211 and ECN 212 recommended for SB designation. If taken, students must pass with a B or better.

**Natural Science [SQ, SG]**  
 Natural Science [SQ, SG]   4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

**General Education Awareness Areas [C, H, G]**  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Actuarial Science BS degree program.

Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. Students must pass MAT 221, MAT 231 and MAT 241 with a grade of B or better.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Met by COM 225 in Literacy & Critical Inquiry.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 	
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Aerospace Engineering (Aeronautics), BSE Pathway 2019-2020

ASU Major: [Aerospace Engineering \(Aeronautics\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Problem Solving and Design AND  ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	4 hrs 
ENG 101: First-Year Composition OR ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition OR ENG 108: First-Year Composition for ESL	3 hrs  
MAT 221: Calculus with Analytic Geometry I or MAT 220: Calculus with Analytic Geometry I	4-5 hrs  
MAT 231: Calculus with Analytic Geometry II or MAT 230: Calculus with Analytic Geometry II	4-5 hrs 
MAT 241: Calculus with Analytic Geometry III or MAT 240: Calculus with Analytic Geometry III	4-5 hrs 
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151AA: General Chemistry I	4-5 hrs  
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory	4 hrs  
PHY 121: University Physics I: Mechanics or PHY 115: University Physics I	4-5 hrs  
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs
Social-Behavioral Science and AGEC Awareness Areas	3 hrs

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major requirements for the Aerospace Engineering (Aeronautics) degree program. A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Note: Students interested in completing the BSE Aerospace Engineering (Aeronautics) degree with two additional years at ASU, must complete MAE 242(Intro to Fluid Mechanics) and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La	3 hrs	
ECE 105: MATLAB Programming OR CSC 110: Introduction to Computer Scie	1-3 hrs	
EEE 202: Circuits and Devices	0-5 hrs	
Humanities, Arts, and Design	0-3 hrs	
Social-Behavioral Science	0-3 hrs	

Total Required Credits: 63



# Pathway Agreement

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## Maricopa Community College District Aerospace Engineering (Astronautics), BSE Pathway 2019-2020

ASU Major: [Aerospace Engineering \(Astronautics\), BSE](#) | Ira A. Fulton Schools of Engineering

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	  4 hrs
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	
MAT 221: Calculus with Analytic Geometry I or MAT 220: Calculus with Analytic Geometry I	  4-5 hrs
MAT 231: Calculus with Analytic Geometry II or MAT 230: Calculus with Analytic Geometry II	  4-5 hrs
MAT 241: Calculus with Analytic Geometry III or MAT 240: Calculus with Analytic Geometry III	  4-5 hrs
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	  4-5 hrs
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	  4 hrs
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	 4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	 4-5 hrs
Humanities, Arts, and Design [HU] and General Education Awareness Areas [C, H, G]	 3 hrs Take one course that satisfies Humanities, Arts and Design AND an Awareness Area requirement.
Social-Behavioral Science [SB] and General Education Awareness Areas [C, H, G]	 3 hrs Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meet ASU major map requirements for the Aerospace Engineering (Astronautics) degree program. A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Note: Students interested in completing the BSE Aerospace Engineering (Astronautics) degree with two additional years at ASU, must complete MAE 242 (Intro to Fluid Mechanics) and MAE 384 through concurrent-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

Additional Lower Division Requirements

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 105: MATLAB Programming or CSC 110: Introduction to Computer Scie	1-3 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La	3 hrs	
EEE 202: Circuits and Devices	0-5 hrs	
Humanities, Arts, and Design [HU]	0-3 hrs	
Social-Behavioral Science [SB]	0-3 hrs	

Total Required Credits: 63

# Pathway Agreement

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Maricopa Community College District

Aerospace Engineering (Autonomous Vehicle Systems), BSE Pathway

2019-2020

ASU Major: [Aerospace Engineering \(Autonomous Vehicle Systems\), BSE | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 	3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 	3 hrs
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND		4 hrs
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
MAT 221: Calculus with Analytic Geometry I or MAT 220: Calculus with Analytic Geometry I	 	4-5 hrs
MAT 231: Calculus with Analytic Geometry II or MAT 230: Calculus with Analytic Geometry II		4-5 hrs
MAT 241: Calculus with Analytic Geometry III or MAT 240: Calculus with Analytic Geometry III		4-5 hrs
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations		3-4 hrs
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	 	4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	 	4-5 hrs
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	 	4-5 hrs
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	 	4 hrs
Humanities, Arts, and Design and AGEC Awareness Areas		3 hrs Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science and AGEC Awareness Areas		3 hrs Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

## Pathway Notes

There are no notes for this pathway

## Special Requirements

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Aerospace Engineering (Autonomous Vehicle Systems) degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Note: Students interested in completing the BSE Aerospace Engineering (Autonomous Vehicle Systems) degree with two additional years at ASU, must complete MAE 242 (Intro to Fluid Mechanics) and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.



**Additional Lower Division Requirements**

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 216: Computer-Aided Engineering or ECE 216LL: Computer-Aided Engineering Laboratory	3 hrs	
ECE 105: MATLAB Programming or CSC 110: Introduction to Computer Science (Java)	1-3 hrs	
EEE 202: Circuits and Devices	0-5 hrs	
Humanities, Arts, and Design	0-3 hrs	
Social-Behavioral Science	0-3 hrs	

**Total Required Credits: 63**

# Pathway Agreement



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**Maricopa Community College District**  
**African and African American Studies, BA Pathway**  
**2019-2020**


ASU Major: *African and African American Studies, BA* | College of Liberal Arts and Sciences


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs



Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs



Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistics/Quantitative Analysis  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science OR  3 hrs AFR 202 also fills Related Area course  
 AFR 202: Ethnic Relations in the U.S.  
 Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
 Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.  
 Natural Science  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0 hrs Satisfied by AFR 110 or AFR 202  
 Historical or Global Awareness [H] or [G]  0 hrs 3 hrs [H] satisfied by AFR 202

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the African and African American Studies B.A. degree program in either the African Studies or African Diaspora Studies.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

MCCC Additional Requirements

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language:  
 Requirement satisfied through the following:  
 Completion of a language course at the  
 intermediate level (202 or equivalent),  
 including American Sign Language IV.

0-16 hrs

Related Area Course 0-3 hrs Select one course that transfers to ASU as a course equivalent or department elective (DEC) in the following ASU prefixes: AFS, AFR, or AFH; or select one of the following courses: ASB 202, ENH 110, ENH 114 HIS 204, HUM 214, or HUM 260. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**American Indian Studies, BS Pathway**  
**2019-2020**



ASU Major: **American Indian Studies, BS | College of Liberal Arts and Sciences**



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs		Suggest AIS 213 as a required Humanities or Literacy course.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs	
<b>Computer/Statistics/Quantitative Analysis</b>	3 hrs	

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs		Suggest AIS 213 as a required Humanities or Literacy course.
Humanities, Arts, and Design [HU]	3 hrs		

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs		Suggest taking AIS 140.
Social-Behavioral Science	3 hrs		

<b>Natural Science [SQ, SG]</b> Natural Science	4 hrs		Select at least one SQ within the Natural Science requirement.
Natural Science	4 hrs		

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs		Met by AIS 160 or SOC 160 requirement
Historical or Global Awareness [H] or [G]	0-3 hrs		Met by AIS 160 or SOC 160 requirement


MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the American Indian Studies B.S. degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
AIS 105: Introduction to American Indian Studies or SOC 105: Introduction to American Indian Studies	3 hrs		
AIS 160: American Indian Law or SOC 160: American Indian Law	3 hrs		
NAV 101: Elementary Navajo I and NAV 102: Elementary Navajo II	0-8 hrs		NAV 101 or 102 may be completed after transfer to ASU and will count toward AIS Emphasis Area degree requirement.
Lower Division Elective	0-19 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Anthropology, BA Pathway 2019-2020

ASU Major: [Anthropology, BA](#) | [College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics and  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement



3-6 hrs

PSY 230: Introduction to Statistics OR



3 hrs

Fulfills Computer/Statistics/Quantitative  
Applications [CS] requirement.

MAT 206: Elements of Statistics OR

SWU 225: Statistics for Social Research/Justice and Government

#### Humanities, Arts, and Design [HU]

ASB 222: BURIED CITIES/LOST  
TRIBES:OLD OR



3 hrs

ASB 223: BURIED CITIES/LOST  
TRIBES:NEW

Humanities, Arts, and Design



3 hrs

#### Social-Behavioral Science [SB]

ASB 102: INTRO/CULTURAL & SOCIAL  
ANTHR



3 hrs

Social-Behavioral Science



3 hrs

#### Natural Science [SQ, SG]

ASM 104: Bones, Stones, and Human Evol



4 hrs

Natural Science [SQ, SG]



4 hrs

Select a [SQ] course.

General Education Awareness Areas [C, H, G]


### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Anthropology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Anthropology, BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		3 hours [G, H] met with ASB 222/ASB 223.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs		
Lower Division Elective	0-25 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement

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## Maricopa Community College District

### Applied Biological Sciences (Applied Biological Sciences), BS Pathway

2019-2020

ASU Major: [Applied Biological Sciences \(Applied Biological Sciences\), BS | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry



3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR



3-5 hrs

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I

Computer/Statistics/Quantitative Applications  
[CS]



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



3 hrs

Humanities, Arts, and Design



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science



3 hrs

Social-Behavioral Science



3 hrs

#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I



4 hrs

BIO 182: General Biology (Majors) II



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

MCCCD Additional Requirements

### Pathway Notes






2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Biological Sciences (Applied Biological Sciences) B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	4-5 hrs 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4 hrs 	
PHY 101: Introduction to Physics OR  PHY 111: General Physics I and PHY 112: General Physics II	4-8 hrs 	Students considering Graduate school or health professions should complete the PHY 111 and PHY 112 sequence. All other students will complete PHY 101 and elective hours.
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR  CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L and CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory	4-8 hrs 	Students considering graduate school or health professions should complete the following: CHM 235, 235LL, 236, and 236LL (instead of CHM 230 and 230LL).
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



















# Pathway Agreement

Print

## Maricopa Community College District Applied Biological Sciences (Natural Resource Ecology), BS Pathway 2019-2020

ASU Major: [Applied Biological Sciences \(Natural Resource Ecology\), BS](#) | College of Integrative Sciences and Arts

### Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs
<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry	 3 hrs
<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR  MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  3-5 hrs
<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs
<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs
<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science	 3 hrs
Social-Behavioral Science	 3 hrs
<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I	  4 hrs
BIO 182: General Biology (Majors) II	  4 hrs
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements






### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Biological Sciences (Natural Resource Ecology) B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
BIO 207: Applied Plant Taxonomy	0-3 hrs	If needed, can be taken after transfer.
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	4-5 hrs 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4 hrs 	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry	4 hrs 	
PHY 101: Introduction to Physics	4 hrs 	
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Applied Biological Sciences (Preveterinary Medicine), BS Pathway 2019-2020

ASU Major: [Applied Biological Sciences \(Preveterinary Medicine\), BS](#) | College of Integrative Sciences and Arts

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



0-3 hrs

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



3 hrs

Humanities, Arts, and Design



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science



3 hrs

Social-Behavioral Science



3 hrs

#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I



4 hrs

BIO 182: General Biology (Majors) II



4 hrs

#### Subject Options

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR



4-5 hrs

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 150AA: General Chemistry I or  
CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



4 hrs

CHM 152AA: General Chemistry II

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Biology and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Applied Biological Sciences (Preveterinary Medicine), BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs



MCCCD Additional Requirements

COM 100: Introduction to Human

0-3 hrs



Communication or

COM 110: Interpersonal Communication or

COM 225: Public Speaking or

COM 230: Small Group Communication

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

BIO 205: Microbiology

4 hrs



CHM 235: General Organic Chemistry I and

CHM 235LL: General Organic Chemistry I

Laboratory

4 hrs



CHM 236: General Organic Chemistry IIA

and

CHM 236LL: General Organic Chemistry IIA

Laboratory

4 hrs



PHY 111: General Physics I AND

8 hrs



PHY 112: General Physics II

Lower Division Elective

0-2 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. ABS 271 will need to be taken after transfer to ASU.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District



### Applied Biological Sciences (Secondary Education in Biology), BS Pathway



2019-2020

ASU Major: [Applied Biological Sciences \(Secondary Education in Biology\), BS | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L] 3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus or  
MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs

#### Humanities, Arts, and Design [HU]


Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

#### Social-Behavioral Science [SB]



POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865  3 hrs



HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

Social-Behavioral Science [SB]  3 hrs


Recommend EDU 222 as it also fulfills [C]

#### Natural Science [SQ, SG]


BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Recommend EDU 222 as it also fulfills [SB]

Global Awareness [G] or Historical Awareness [H]  0-3 hrs

Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU bachelor's degree requirements.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Biological Sciences (Secondary Education in Biology) B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR

0-3 hrs



COM 110: Interpersonal Communication OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory

4 hrs



or  
CHM 150AA: General Chemistry I or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory or

4 hrs



CHM 152AA: General Chemistry II or  
CHM 154: General Chemistry II with  
Qualitative Analysis and  
CHM 154LL: General Chemistry II with  
Qualitative Laboratory

BIO 205: Microbiology

3-4 hrs



PHY 101: Introduction to Physics or  
PHY 101AA: Introduction to Physics OR

4-5 hrs



Students considering Graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students will complete PHY 101

PHY 111: General Physics I or  
PHY 111AA: General Physics I

Lower Division Elective

0-9 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).

Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU bachelor's degree requirements.

**Total Required Credits: 60**

# Pathway Agreement

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Maricopa Community College District



Applied Biological Sciences (Sustainable Horticulture), BS Pathway



2019-2020

ASU Major: [Applied Biological Sciences \(Sustainable Horticulture\), BS | College of Integrative Sciences and Arts](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs GCU 113 recommended


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements







Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Biological Sciences (Sustainable Horticulture) B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>



COM 100: Introduction to Human Communication OR	0-3 hrs		
COM 110: Interpersonal Communication OR			
COM 225: Public Speaking OR			
COM 230: Small Group Communication			
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AGS 260: Soils	3 hrs		Fulfills ASU's Sustainable Horticulture Elective
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	4-5 hrs	 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II or CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	4-5 hrs	 	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Laboratory OR	4 hrs		Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 235/235LL and CHM 236/236LL sequence, using CHM 236/236LL in place of electives. All other students will complete CHM 230/230LL.
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory			
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics OR	4-5 hrs		Students considering graduate school or health professions should complete the PHY 111/111AA and PHY 112 sequence, using PHY 112 in place of electives. All other students will complete PHY 101/101AA.
PHY 111: General Physics I or PHY 111AA: General Physics I			
Lower Division Elective	0-6 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Applied Computing, BS Pathway 2019-2020


ASU Major: [Applied Computing, BS | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CSC 110: Introduction to Computer Science  
or  
CSC 110AA: Introduction to Computer  
Science or  
CSC 110AB: Introduction to Computer  
Science  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements





### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGCC-A, meets major map requirements at ASU, and guarantees admission to the Applied Computing BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
CSC 200: Principles of Computer Science or CSC 200AA: Principles of Computer Science(Java) or CSC 200AB: Principles of Computer Science or CSC 205: Object Oriented Programming or CSC 205AA: Object Oriented Programming or CSC 205AB: Object Oriented Programming or CSC 205AC: Object Oriented Programming or CSC 205AD: Object Oriented Programming	3-4 hrs 	CSC205, CSC205AA, CSC2015AB, CSC205AC, or CSC205AD recommended because they meet the prerequisite for CSC 240 or CSC 240AA.
CSC 240: Introduction to Different Programming Languages or CSC 240AA: Introduction to Different Programming Languages	3 hrs	
MAT 227: Discrete Mathematical Structures	3 hrs 	As per "or permission of instructor" in Maricopa's MAT227 course description, academic advisors and other student services personnel are authorized by Maricopa's Math Instructional Council to approve MAT227 registration using either MAT212/213 OR MAT220/221 (and CSC110 or CSC110) as the course prerequisites.
MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government	3 hrs 	
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Applied Computing (Cybersecurity), BS Pathway 2019-2020

ASU Major: [Applied Computing \(Cybersecurity\), BS | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs



CSC 110: Introduction to Computer Science  
or  
CSC 110AA: Introduction to Computer  
Science or  
CSC 110AB: Introduction to Computer  
Science  3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

COM 100: Introduction to Human  
Communication or  
COM 100AA: Intro Human Communication  
Part I or  
COM 100AB: Intro Human Communication  
Part II or  
COM 100AC: Intro Human Communication  
Part III   3 hrs

PSY 101: Introduction to Psychology   3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]



### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Computing (Cybersecurity) B.S. degree program.



ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0 hrs 	Fulfilled by COM 100
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CSC 200: Principles of Computer Science or CSC 200AA: Principles of Computer Science(Java) or CSC 200AB: Principles of Computer Science or CSC 205: Object Oriented Programming or CSC 205AA: Object Oriented Programming or CSC 205AB: Object Oriented Programming or CSC 205AC: Object Oriented Programming or CSC 205AD: Object Oriented Programming	3-4 hrs	CSC205, CSC205AA, CSC2015AB, CSC205AC, or CSC205AD recommended because they meet the prerequisite for CSC 240 or CSC 240AA.
CSC 240: Introduction to Different Programming Languages or CSC 240AA: Introduction to Different Programming Languages	3 hrs	
MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government	3 hrs 	
MAT 227: Discrete Mathematical Structures	3 hrs 	As per "or permission of instructor" in Maricopa's MAT227 course description, academic advisors and other student services personnel are authorized by Maricopa's Math Instructional Council to approve MAT227 registration using either MAT212/213 OR MAT220/221 (and CSC110 or CSC110) as the course prerequisites.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Applied Mathematics, BS Pathway 2019-2020

ASU Major: [Applied Mathematics, BS | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs


CSC 110: Introduction to Computer Science  
or  
CSC 110AA: Introduction to Computer  
Science (Java) or  
CSC 110AB: Intro to Computer Science  
(JAVA)  3-4 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs

Humanities, Arts, and Design  3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

#### Natural Science [SQ, SG]



CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR



Select a sequence of the same science with at least one course satisfying the [SQ] requirement.

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

BIO 181: General Biology (Majors) I

CHM 152: General Chemistry II or  
CHM 152LL: General Chemistry II  
Laboratory OR   4-5 hrs

PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity OR

BIO 182: General Biology (Majors) II



### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Mathematics B.S. degree program.

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	


MCCCD Additional Requirements


COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements

CSC 200: Principles of Computer Science(Java) or CSC 200AA: Principles of Computer Science(Java) or CSC 200AB: Principles of Computer Science(Java) or CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures or CSC 205AC: Object Oriented Programming and Data Structures or CSC 205AD: Object Oriented Programming and Data Structures	3-4 hrs	Completion of ASU's ACO 101 and ACO 102 satisfies the New College Language and Cultures requirement.
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MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	
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MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	
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MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs	
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Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Applied Mathematics, BS Pathway**  
**2019-2020**

ASU Major: [Applied Mathematics, BS | College of Integrative Sciences and Arts](#)


## Pathway Requirements


First-Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  0-3 hrs



Mathematical Studies [MA]  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory OR   4-5 hrs Select a sequence of the same science with at least one course satisfying the [SQ] requirement.

PHY 115: University Physics I or  
 PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR  
 BIO 181: General Biology (Majors) I

CHM 152: General Chemistry II or  
 CHM 152LL: General Chemistry II  
 Laboratory OR   4-5 hrs

PHY 116: University Physics II or  
 PHY 131: University Physics II: Electricity OR  
 BIO 182: General Biology (Majors) II

Subject Options

## Pathway Notes





2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Applied Mathematics B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>



MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements MAT 227: Discrete Mathematical Structures	3 hrs 
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs

Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60





# Pathway Agreement


[Print](#)

## Maricopa Community College District Applied Mathematics for Life and Social Sciences, BS Pathway 2019-2020



ASU Major: [Applied Mathematics for Life and Social Sciences, BS](#) | College of Liberal Arts and Sciences




### Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> ASB 102: INTRO/CULTURAL & SOCIAL ANTHROPOLOGY OR PSY 101: Introduction to Psychology OR SOC 101: Introduction to Sociology OR POS 110: American National Government OR CFS 205: Human Development OR GCU 102: Intro to HUMAN GEOGRAPHY	  3 hrs
Social-Behavioral Science	 3 hrs

<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I	  4 hrs
BIO 182: General Biology (Majors) II	  4 hrs



Subject Options



### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Applied Mathematics for the Life and Social Sciences B.S. degree program. Minimum of 2.0 GPA is required for all coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

MAT 230: Calculus with Analytic Geometry II 4-5 hrs  
 or  
 MAT 231: Calculus with Analytic Geometry II  

MAT 240: Calculus with Analytic Geometry III 4-5 hrs  
 or  
 MAT 241: Calculus with Analytic Geometry III  

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C] 0-3 hrs 


Historical or Global Awareness [H] or [G] 0-3 hrs 

MCCCD Additional Requirements  
 COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication 

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements  
 CSC 100: Introduction to Computer Science 3-4 hrs  
 or  
 CSC 100AA: Introduction to Computer Science or  
 CSC 100AB: Intro to COMPUTER SCIENCE (C+ OR)

CSC 110: Introduction to Computer Science  
 or  
 CSC 110AA: Introduction to Computer Science or  
 CSC 110AB: Intro to Computer Science (JAVA)

MAT 262: Differential Equations OR 3-4 hrs 

MAT 276: Modern Differential Equations or  
 MAT 277: Modern Differential Equations

Lower Division Elective 0-16 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



**Maricopa Community College District**  
**Applied Physics, BS Pathway**  
**2019-2020**

ASU Major: **Applied Physics, BS | College of Integrative Sciences and Arts**


## Pathway Requirements

### First-Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  0-3 hrs Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements.

### Mathematical Studies [MA]


MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs



Social-Behavioral Science [SB]  3 hrs



### Natural Science [SQ, SG]

PHY 115: University Physics I or  
 PHY 121: UNIVERSITY PHYSICS I:  
 MECHANICS   4-5 hrs

PHY 116: University Physics II or  
 PHY 131: University Physics II: Electricity  
 and Magnetism   4-5 hrs

### Subject Options

MAT 230: Calculus with Analytic Geometry II  
 or  
 MAT 231: Calculus with Analytic Geometry II   4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
 or  
 MAT 241: Calculus with Analytic Geometry III   4-5 hrs

General Education Awareness Areas [C, H, G]


## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Physics and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Applied Physics, BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

Cultural Diversity in the U.S. (C) 0-3 hrs 

Historical or Global Awareness [H] or [G] 0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR 0-3 hrs 

COM 110: Interpersonal Communication OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective 0-23 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 61**

# Pathway Agreement

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## Maricopa Community College District Art (Art Education), BFA Pathway 2019-2020

ASU Major: [Art \(Art Education\), BFA | Herberger Institute for Design and the Arts](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry



Recommend selecting COM 225 to fulfill two requirements simultaneously.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement



Computer/Statistics/Quantitative Analysis



#### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Ar



Also fulfills Historical [H] awareness area.

ARH 102: Renaissance Through Contemporary Art



Also fulfills Historical [H] awareness area.

#### Social-Behavioral Science [SB]

GCU 113: United States and Arizona Social Studies or  
POS 113: United States and Arizona Social Studies OR



Also fulfills Historical Awareness [H]

Social-Behavioral Science [SB]

EDU 222: Introduction to the Exceptional Learner or  
EED 222: INTRO EXCPT YNG CHLD: BIRTH-8



Also fulfills Cultural Diversity in the U.S. [C]

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]



#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



[C] met by EDU222 or EED 222.

Historical or Global Awareness [H] or [G]



[H] met by ARH101 and ARH102.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA) - Arts degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Art Education), BFA degree program.

The MAPP for Art (Art Education), BFA is provided as a transfer pathway for students wishing to complete their Art (Art Education), BFA at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here: <https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit: <http://art.asu.edu/admissions/undergrad/applyin>

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

ART 111: Drawing I 3 hrs



ART 112: Two-Dimensional Design 3 hrs

ART 113: Color 3 hrs

ART 115: Three-Dimensional Design 3 hrs



Additional Art Foundation 9 hrs Complete 1 2D course, 1 3D course, and 1 additional 2D or 3D courses. See Tracks below for course listings. The track title is located in the comments section of each track.

Art Education Proficiency Courses 6 hrs Complete courses that transfer to ASU with an ARA, ARE, ARS or ART prefix. Must include ART255 or ART255ab for 1-3 credits, which is required for the AAFA-Art.

Total Required Credits: 62

Track/Groups

Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
ART 122: Drawing and Composition II OR	Additional Art Foundation
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	

# Pathway Agreement

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**Maricopa Community College District**  
**Art (Art History), BA Pathway**  
**2019-2020**


ASU Major: [Art \(Art History\), BA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Analysis  3 hrs


Humanities, Arts, and Design [HU]  
 ARH 101: Prehistoric through Gothic Art   3 hrs


ARH 102: Renaissance Through  
 Contemporary Art   3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs 3 hrs [H] satisfied by ARH 101 or ARH 102.

## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Art (Art History) B.A. degree program.



**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ART 111: Drawing I or ART 290BC: Studio Art: Drawing OR	9 hrs 	Select a total of three courses from the five sets of courses listed. Only one course may be selected from each given set.
ADA 112: Two-Dimensional Design or ART 112: Two-Dimensional Design OR		
ART 113: Color or ART 290JC: Studio Art: Color OR		
ART 115: Three-Dimensional Design OR		
ART 131: Photography I		
ARH 201: Art of Asia	3 hrs	
ARH 115: History of Photography	3 hrs	
Second Language Requirement satisfied through the following: Completion of language course at the intermediate level (course must transfer to ASU at the 202 level or above). American Sign Language does not fulfill the degree requirements.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. American Sign Language does not fulfill the degree requirements. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Art (Art Studies), BA Pathway 2019-2020

ASU Major: [Art \(Art Studies\), BA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry  3 hrs Recommend selecting COM 225 to fulfill two requirements simultaneously.

#### Mathematical Studies [MA, CS]



MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Ar OR   3 hrs ARH 101 or ARH102 also fulfills Historical [H] awareness area.

ARH 102: Renaissance Through Contempor


ARH 201: Art of Asia OR   3 hrs


ARH 145: History of American Indian Art OR

ARH 217: Mexican Art History OR


ARH 216: Pre-Columbian Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs Select a course which satisfies SB (Social & Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area.

Social-Behavioral Science  3 hrs

#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU.

The MAPP for the BA in Art Studies is provided as a transfer pathway for students wishing to complete their BA in Art Studies at ASU.

The class requirements of this Associate in Art (AA) MAPP for the Art Studies BA slightly differ from the Associate in Art, Fine Arts (AAFA) at MCCC. If you wish to pursue an AAFA consult with an MCCC academic advisor.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or ARH102.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ART 111: Drawing I or ART 290BC: Studio Art: Drawing	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color or ART 290JC: Studio Art: Color or ART 202: Digital Arts Survey or TCM 100: Digital Multimedia	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
Additional Art Foundation	12 hrs		Complete 1 2D course, 1 3D course, and 2 additional 2D and/or 3D courses. See Tracks below for course listings.
Performing Arts Electives	3 hrs		Select three credit hours from the performing arts elective list.

Total Required Credits: 62

## Track/Groups

### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
Additional Art Foundation	
ART 122: Drawing and Composition II OR	
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	

### Performing Arts Electives

Performing Arts Electives	
DAN Elective OR	MTC Elective cannot be MTC 103.
HUM 205: Introduction to Cinema or HUM 210: Contemporary Cinema or THF 205: Introduction to Cinema or THF 210: Contemporary Cinema OR	MUC Elective cannot be MUC 194, MUC 210, MUC 211, MUC 274AB, MUC 297AA, MUC 297AB, or MUC 297AC
MHL Elective OR	TCM Electives: TCM 111 and 211, TCM 120, TCM 134, TCM 136, TCM 145, TCM 202, TCM 213AA, TCM 220, TCM 230, TCM 240, TCM 248, TCM 250, TCM 263, TCM 265, and TCM 275.
MTC Elective OR	
MUC Elective OR	
MUE Elective OR	
MUP Elective OR	THE/THF Elective cannot be THE 206, THF 210, HUM 210, THE

TCM Elective OR

282AA, THE 282AB, or THE 282AC.

THE Elective or  
THF Elective OR

THP/THF Elective cannot be THF  
120AA, THF 120AB, THP 241, COM  
241 or THP 268.

THP Elective or  
THF Elective

# Pathway Agreement



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**Maricopa Community College District**  
**Art (Ceramics), BFA Pathway**  
**2019-2020**

ASU Major: [Art \(Ceramics\), BFA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM225 to meet [L] and Oral Communication requirements simultaneously.



### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Art   3 hrs ARH 101 also fulfills Historical [H] awareness area.


ARH 201: Art of Asia OR   3 hrs ARH145 also meets [C].


ARH 145: History of American Indian Art OR

ARH 217: Mexican Art History OR


ARH 216: Pre-Columbian Art History


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies SB (Social & Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA) - Arts degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Ceramics), BFA degree program.

The MAPP for the BFA in Art (Ceramics) is provided as a transfer pathway for students wishing to complete their BFA in Art (Ceramics) at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here: <https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit: <http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art	3 hrs		ARH 102 required to fulfill AAFA, Art
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 161: Ceramics I or ART 290GC: Studio Art: Ceramics	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Art
Additional Art Foundation	6 hrs		Complete 1 2D course and 1 3D course. See Tracks below for course listings. The track title is located in the comments section of each track.

Total Required Credits: 60

## Track/Groups

### Additional Art Foundation

Additional Art Foundation	
ART 151: Sculpture I OR	3D Courses
Additional Art Foundation	
ART 277: Textiles I	2D Courses
ART 116: Life Drawing I OR	
ART 122: Drawing and Composition II OR	
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	

# Pathway Agreement



Print



**Maricopa Community College District**  
**Art (Drawing), BFA Pathway**  
**2019-2020**

ASU Major: [Art \(Drawing\), BFA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM225 to meet [L] and Oral Communication requirements simultaneously.



### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Ar   3 hrs ARH 101 also fulfills Historical [H] awareness area.


ARH 201: Art of Asia OR   3 hrs ARH145 also meets [C].


ARH 145: History of American Indian Art OR

ARH 217: Mexican Art History OR


ARH 216: Pre-Columbian Art History


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies Social & Behavioral Sciences [SB] and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


## Special Requirements





The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA) - Arts degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Drawing), BFA degree program.

The MAPP for the BFA in Art (Drawing) is provided as a transfer pathway for students wishing to complete their BFA in Art (Drawing) at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here: <https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit: <http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art	3 hrs		ARH 102 required to fulfill AAFA, Art
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 116: Life Drawing I	3 hrs		
ART 122: Drawing and Composition II	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Art
Additional Art Foundation	3 hrs		Complete 1 2D course or 1 3D course. Faculty recommend Drawing students take ART 167 Painting I to fulfill 2D or 3D Art Course.

Total Required Credits: 60

### Track/Groups

#### Additional Art Foundation

Additional Art Foundation	
ART 131: Photography I OR	2D Courses
ART 132: Photography II OR	<b>Additional Art Foundation</b>
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	



# Pathway Agreement



Print



**Maricopa Community College District**  
**Art (Fibers), BFA Pathway**  
**2019-2020**

ASU Major: [Art \(Fibers\), BFA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM225 to meet [L] and Oral Communication requirements simultaneously.


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Ar   3 hrs ARH 101 also fulfills Historical [H] awareness area.


ARH 201: Art of Asia OR   3 hrs ARH145 also meets [C].


ARH 145: History of American Indian Art OR

ARH 217: Mexican Art History OR


ARH 216: Pre-Columbian Art History


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies Social & Behavioral Sciences [SB] and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements



The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA) - Arts degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Fibers), BFA degree program.


The MAPP for the BFA in Art (Fibers) is provided as a transfer pathway for students wishing to complete their BFA in Art (Fibers) at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:




<https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit:

<http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art	3 hrs		ARH 102 required to fulfill AAFA, Art
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 277: Textiles I	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA-Art
Additional Art Foundation	6 hrs		Complete 1 2D course and 1 3D course. Course options are found below.

Total Required Credits: 60

### Track/Groups

#### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
Additional Art Foundation	
ART 122: Drawing and Composition II OR	
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I	

# Pathway Agreement



Print



**Maricopa Community College District**  
**Art (Intermedia), BFA Pathway**  
**2019-2020**

ASU Major: [Art \(Intermedia\), BFA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM225 to meet [L] and Oral Communication requirements simultaneously.



### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Ar   3 hrs ARH 101 also fulfills Historical [H] awareness area.


ARH 201: Art of Asia OR   3 hrs ARH 145 also meets [C].


ARH 145: History of American Indian Art OR

ARH 217: Mexican Art History OR


ARH 216: Pre-Columbian Art History


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies SB (Social & Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]



## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.




## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA) - Arts degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Intermedia), BFA degree program.

The MAPP for the Art (Intermedia), BFA is provided as a transfer pathway for students wishing to complete their Art (Intermedia), BFA at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here: <https://herbergerinstitute.asu.edu/advising>.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art	3 hrs		ARH 102 required to fulfill AAFA, Art
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 202: Digital Arts Survey or TCM 100: Digital Multimedia	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Art
Additional Art Foundation	9 hrs		Complete 1 2D course, 1 3D course, and 1 additional 2D or 3D courses. See Tracks below for course listings. The track title is located in the comments section of each track.

Total Required Credits: 60

## Track/Groups

### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
ART 122: Drawing and Composition II OR	Additional Art Foundation
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	


















# Pathway Agreement

Print

## Maricopa Community College District Art (Museum Studies), BA Pathway 2019-2020

ASU Major: [Art \(Museum Studies\), BA](#) | Herberger Institute for Design and the Arts

### Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 	ENG 101 & 102 must be completed with a grade "B" or higher.
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 	
<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs		
<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs		
<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs		
<b>Humanities, Arts, and Design [HU]</b> ARH 101: Prehistoric through Gothic Art	3 hrs	 	ARH 101 & 102 must be completed with a grade "B" or higher.
ARH 102: Renaissance through Contemporary Art	3 hrs	 	
<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs		
Social-Behavioral Science [SB]	3 hrs		
<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs		
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		3 hrs [H] satisfied by ARH 101 or ARH 102. 3 hrs [G] satisfied by ARH 201.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Art (Museum Studies) B.A. degree program.

ENG 101 & 102 must be completed with a grade "B" or higher.

ARH 101 & 102 must be completed with a grade "B" or higher.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

ARH 201: Art of Asia	3 hrs	
GBS 151: Introduction to Business OR	3 hrs	
GBS 206: Business Law (UCC) OR		
IBS 101: Intro to International Business OR		
IBS 109: Cultural Dimensn/International Trade OR		
MGT 160: Project Management OR		
MKT 101: Introduction to Public Relations OR		
MKT 263: Advertising Principles OR		
MKT 271: Principles of Marketing OR		
PAD 101: Survey Of Public Administration OR		
PAD 104: Management In The Public Sector OR		
REC 120: Leisure and the Quality of Life OR		
REC 210: Leisure Delivery Systems		
Second Language Requirement satisfied through the following: Completion of language course at the intermediate level (course must transfer to ASU at the 202 level or above). American Sign Language does not fulfill the degree requirements.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. American Sign Language does not fulfill the degree requirements.
Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



**Maricopa Community College District**  
**Art (Painting), BFA Pathway**  
**2019-2020**

ASU Major: [Art \(Painting\), BFA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM225 to meet [L] and Oral Communication requirements simultaneously.



### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Ar   3 hrs ARH 101 also fulfills Historical [H] awareness area.


ARH 201: Art of Asia OR   3 hrs ARH 145 also meets [C].


ARH 145: History of American Indian Art OR

ARH 217: Mexican Art History OR


ARH 216: Pre-Columbian Art History


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies Social & Behavioral Sciences [SB] and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA) - Arts degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Painting), BFA degree program.

The MAPP for the BFA in Art (Painting) is provided as a transfer pathway for students wishing to complete their BFA in Art (Painting) at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here: <https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit: <http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art	3 hrs		ARH 102 required to fulfill AAFA, Art
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 167: Painting I	3 hrs		
ART 165: Watercolor Painting I OR	3 hrs		
ART 116: Life Drawing I or ART 263: Figure Painting			
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Art
Additional Art Foundation	6 hrs		Complete 1 3D course and 1 2D or 3D course. Course options are found below.

Total Required Credits: 63

### Track/Groups

#### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
ART 122: Drawing and Composition II OR	Additional Art Foundation
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	



# Pathway Agreement



Print



## Maricopa Community College District Art (Photography), BFA Pathway 2019-2020

ASU Major: [Art \(Photography\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM225 to meet [L] and Oral Communication requirements simultaneously.



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Art   3 hrs ARH 101 also fulfills Historical [H] awareness area.


ARH 201: Art of Asia OR   3 hrs ARH145 also meets [C].


ARH 145: History of American Indian Art OR

ARH 217: Mexican Art History OR


ARH 216: Pre-Columbian Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies SB (Social & Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science  3 hrs

#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA) - Arts degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Photography), BFA degree program.

The MAPP for the Art (Photography), BFA is provided as a transfer pathway for students wishing to complete their Art (Photography), BFA at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:

<https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit:  
<http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

MCCCD Additional Requirements			
COM 100: Introduction to Human Communication or	0-3 hrs		
COM 110: Interpersonal Communication or			
COM 225: Public Speaking or			
COM 230: Small Group Communication			
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

Additional Lower Division Requirements			
ARH 102: Renaissance Through Contemporary Art	3 hrs		ARH 102 required to fulfill AAFA, Art
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 131: Photography I	3 hrs		
ART 132: Photography II	3 hrs		
ART 234: Color Photography I	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Art

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Art (Printmaking), BFA Pathway 2019-2020

ASU Major: [Art \(Printmaking\), BFA | Herberger Institute for Design and the Arts](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



Recommend selecting COM225 to meet [L] and Oral Communication requirements simultaneously.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement



Computer/Statistics/Quantitative Analysis



#### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Art



ARH 101 also fulfills Historical [H] awareness area.

ARH 201: Art of Asia OR



ARH 145 also meets [C].

ARH 145: History of American Indian Art OR

ARH 217: Mexican Art History OR

ARH 216: Pre-Columbian Art History

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



Select a course which satisfies Social & Behavioral Sciences [SB] and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]



#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]



General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements



The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA) - Arts degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Printmaking), BFA degree program.


The MAPP for the BFA in Art (Printmaking) is provided as a transfer pathway for students wishing to complete their BFA in Art (Printmaking) at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:





<https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit:

<http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art	3 hrs		ARH 102 required to fulfill AAFA, Art
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 250: Introduction to Printmaking	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Art
Additional Art Foundation	6 hrs		Complete 1 2D course and 1 3D course. See Tracks below for course listing.

Total Required Credits: 60

### Track/Groups

#### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
ART 122: Drawing and Composition II OR	Additional Art Foundation
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	

# Pathway Agreement

Print

## Maricopa Community College District Art (Sculpture), BFA Pathway 2019-2020

ASU Major: [Art \(Sculpture\), BFA | Herberger Institute for Design and the Arts](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



Recommend selecting COM225 to meet [L] and Oral Communication requirements simultaneously.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement



Computer/Statistics/Quantitative Analysis



#### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Ar



ARH 101 also fulfills Historical [H] awareness area.

ARH 201: Art of Asia OR



ARH145 also meets [C].

ARH 145: History of American Indian Art OR

ARH 217: Mexican Art History OR

ARH 216: Pre-Columbian Art History

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



Select a course which satisfies SB (Social & Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science



#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]



General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA) - Arts degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Sculpture), BFA degree program.

The MAPP for the Art (Sculpture), BFA is provided as a transfer pathway for students wishing to complete their Art (Sculpture), BFA at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:

<https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit:

<http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art	3 hrs		ARH 102 required to fulfill AAFA, Art
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 151: Sculpture I	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Art
Additional Art Foundation	6 hrs		Complete 1 2D course, and 1 additional 2D or 3D courses. See Tracks below for course listings. The track title is located in the comments section of each track.

Total Required Credits: 60

## Track/Groups

### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
Additional Art Foundation	
ART 122: Drawing and Composition II OR	
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 161: Ceramics I OR	3D Courses
ART 277: Textiles I	

# Pathway Agreement

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**Maricopa Community College District**  
**Arts (BA in the Arts), BA Pathway**  
**2019-2020**


ASU Major: [Arts \(BA in the Arts\), BA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL 3 hrs  
 


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL 3 hrs  
 


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry 3 hrs  



Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement 3-6 hrs  



Computer/Statistics/Quantitative Analysis 3 hrs  



Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design 3 hrs  



Humanities, Arts, and Design 3 hrs  



Social-Behavioral Science [SB]  
 Social-Behavioral Science 3 hrs  


Social-Behavioral Science 3 hrs  


Natural Science [SQ, SG]  
 Natural Science 4 hrs  


Natural Science 4 hrs  


General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C] 0-3 hrs  


Historical or Global Awareness [H] or [G] 0-3 hrs  


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Arts (BA in Arts)--Arts Administration or Entertainment Design degree program.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

Accounting/Finance - 1 Course (3 credits)	3 hrs	Select one course from the Track/Groups below.
Arts Administration or Entertainment Design - Pick 1 Focus Area	3-6 hrs	Select one - two courses from the Track/Groups below. Some of the courses may be used to satisfy any remaining AGECE requirements
Arts Discipline and Practice - 3 Courses (9 credits)	0-9 hrs	Select 3 courses from the Track/Groups below. Some of the courses may be used to satisfy any remaining AGECE requirements. Only students pursuing the Arts Administration concentration need to complete this requirement.
Historical Studies with Asian/African/Native American/Latin American Focus	3 hrs	Select one course from the Track/Groups below. Some of the courses may be used to satisfy any remaining AGECE requirements.
Related Historical and Theoretical Coursework - 1 Course (3 credits)	0-3 hrs	Select one course from the Track/Groups below. Some of the courses may be used to satisfy any remaining AGECE requirements.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

Track/Groups

Accounting/Finance - 1 Course (3 credits)

Accounting/Finance - 1 Course (3 credits)

ACC 110: UNDERSTANDING & USING ACCT SYSTEMS or  
 ACC 111: Accounting Principles I or  
 ACC 115: Computerized Accounting or  
 ACC 211: Financial Accounting or  
 ACC 212: Managerial Accounting

Arts Administration or Entertainment Design - Pick 1 Focus Area

Arts Administration or Entertainment Design - Pick 1 Focus Area

ENTERTAINMENT DESIGN (1-2 courses; 3-6 credits): or

THF 115: Makeup for Stage and Screen or  
 THF 210: Contemporary Cinema or  
 THF 215: Advanced Makeup Techniques for Stage and Screen or  
 THF 209: Acting for the Camera or  
 THF 219: Advanced Acting for the Camera or  
 THP 112: Acting I or  
 THP 201AA: Theatre Production I or  
 THP 201AB: Theatre Production II or  
 THP 203: Technical Theatre Production or  
 THP 213: Intro to Technical Theatre or  
 THP 216: Beginning Stage Lighting or  
 THP 217: Introduction to Design Scenography or  
 THP 226: Theatrical Design: Costuming or  
 THP 262: Entertainment Industry Design Drafting or  
 THP 263: Entertainment Industry Design I: 2D CAD or  
 ART 111: Drawing I or  
 ART 106: Gallery Operations or  
 ART 100: Intro to COMPUTER GRAPHIC ART or  
 ART 131: Photography I or  
 ART 161: Ceramics I or  
 ART 184: Computer Animation or  
 ART 185: 3-D Modeling for Animation or  
 ART 200: Animation and Interactivity or  
 ART 202: Digital Arts Survey or  
 ART 203: Aesthetics of Web Design or  
 DAH 100: Introduction to Dance or  
 HUM 210: Contemporary Cinema or  
 VPT 106: Digital Video Effects or  
 MUC 109: MUSIC BUSINESS: MERCHANDISING and LAW or  
 MUC 110: MUSIC BUSINESS:RECORDING and MASS MEDIA or

Arts Administration or Entertainment Design - Pick 1 Focus Area



MUC 111: Digital Audio Workstation I (DAW I) or  
MUC 112: Digital Audio Workstation II (DAW II) or  
MUC 114: Song Publishing and Marketing or  
MUC 115: Song Copyrighting and Demos or  
MUC 122: Sound Design I or  
MUC 130: Music Electronic Components or  
MUC 145: Recording Studio Business Operations  
or  
MUC 180: Computer Literacy for the Music  
Business or  
MUC 195: Studio Music Recording I or  
MUC 196: Studio Music Recording II or  
MUC 197: Live Sound Reinforcement I or  
MUC 198: Live Sound Reinforcement II or  
MUC 209: Music Industry Entrepreneurship or  
MUC 222: Sound Design II or  
MUC 237: Electronic Dance Music Production or  
MUC 292: Sound Design III or  
CSC 120: Digital Design Fundamentals

ARTS ADMINISTRATION (1-2 courses; 3-6  
credits): any transferable courses with the following  
course prefixes: ACC, ECN, EPS, FIN, GBS, LDR,  
MGT, MKT, SBS, or  
ART 105: Art Beyond the Classroom or  
ART 106: Gallery Operations or  
ART 190: Art of Web Site Design or  
ART 203: Aesthetics of Web Design or  
ART 210: Design Tools for Imagery, Production,  
and Publishing or  
ART 215: Advanced Electronic Publishing or  
ART 255: Art Marketing or  
ART 255AA: Self Promotion or  
CIS 133DA: Internet/Web Development Level I

Arts Discipline and Practice - 3 Courses (9 credits)

#### Arts Discipline and Practice - 3 Courses (9 credits)

Any transferable course from a visual/ performing  
arts field as an elective with one of the following  
prefixes: ARC, ARH, ART, CAD, DAH, DAN, DFT,  
INT, MHL, MTC, MUC, MUE, MUP, TEC, THE,  
THF, THP, VPT or  
HUM 205: Introduction to Cinema or  
HUM 206: Introduction to Television Arts or  
HUM 210: Contemporary Cinema or  
STO 284: Storytelling and Music or  
STO 285: Creating/Performing Solo/Collaborative  
Works

Historical Studies with Asian/African/Native American/Latin American Focus

#### Historical Studies with Asian/African/Native American/Latin American Focus

ARH 118: Introduction To Chinese Art or  
ARH 145: History Of American Indian Art or  
ARH 201: Art Of Asia or  
ARH 217: Mexican Art History or  
DAH 201: World Dance Studies or  
MHL 143: Music In World Cultures

Related Historical and Theoretical Coursework - 1 Course (3 credits)

#### Related Historical and Theoretical Coursework - 1 Course (3 credits)

ARH 100: Introduction To Art or  
ARH 101: Prehistoric Through Gothic Art or  
ARH 102: Renaissance Through Contemporary Art  
or  
DAH 201: World Dance Studies or  
MHL 143: Music In World Cultures or  
MTC 105: Music Theory I and  
MTC 106: Aural Perception I or  
MTC 155: Music Theory II and  
MTC 156: Aural Perception II or  
MTC 205: Music Theory III and  
MTC 206: Aural Perception III or  
MTC 255: Music Theory IV and  
MTC 256: Aural Perception IV

# Pathway Agreement

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## Maricopa Community College District Asia Studies (East Asia), BA Pathway 2019-2020

ASU Major: [Asia Studies \(East Asia\), BA](#) | College of Liberal Arts and Sciences

### Pathway Requirements

First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL 3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL 3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry 3 hrs

Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review 3-6 hrs

Computer/Statistics/Quantitative Applications  
[CS] 3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU] 3 hrs Select HU courses that concurrently satisfy Outside East Asia, East Asia, or Across Asia concentration courses. A maximum of two courses may be selected from the Across Asia concentration. Class options are (ARH 201, HIS 113, HIS 114, REL 202, PHI 245)

Humanities, Arts, and Design 3 hrs

Social-Behavioral Science [SB]  
Social-Behavioral Science [SB] 3 hrs Select SB courses that concurrently satisfy Outside East Asia, East Asia, or Across Asia concentration courses. A maximum of two courses may be selected from the Across Asia concentration.

Social-Behavioral Science [SB] 3 hrs Select an SB course that also satisfies an East Asia concentration requirement. Class options are (HIS 113, HIS 114, and HIS 273)

Natural Science [SQ, SG]  
Natural Science 4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science 4 hrs Select at least one SQ within the Natural Science requirement.




General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asia Studies (East Asia) B.A. degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0-3 hrs		ARH 201, HIS 113 and HIS 114 will satisfy Historical [H] and Global [G] Awareness requirement.
<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-20 hrs		Chinese, Japanese or Korean is required for this degree.
Concentration Courses	0-9 hrs		Select three courses from any of the 3 concentrations (East Asia, Across Asia, Outside East Asia). A maximum of 2 courses may be selected from the Across Asia concentration. Courses may be used to simultaneously fulfill any outstanding AGEC requirements. Concentration Title is located in each track's notes section.
Lower Division Elective	0-25 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. HST 111 will need to be taken after transfer to ASU.

Total Required Credits: 60

## Track/Groups

### Concentration Courses

Concentration Courses	
ARH 201: Art of Asia OR	Across Asia Concentration
HIS 113: History of Eastern Civilization OR	Concentration Courses
HIS 114: History of Eastern Civilization OR	
REL 202: Classics of Asian Religions OR	Concentration Courses
PHI 245: INTRODUCTION TO EASTERN PHILOSOPHY OR	
ARH 118: Introduction to Chinese Art OR	
HIS 240: HIST ISLAM CIV: 6TH CENT-1800	
HIS 273: US Experience in Vietnam 1945 - 1975	Outside East Asia Concentration
HIS 271: HISTORY OF the FAR EAST TO 19 OR	East Asia Concentration: Students can take all three after transfer
HIS 272: HISTORY OF the FAR EAST 1900 OR	
ARH 118: Introduction to Chinese Art	

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## Maricopa Community College District Asian Languages (Chinese), BA Pathway 2019-2020

ASU Major: [Asian Languages \(Chinese\), BA](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

ENG 213: Introduction to the Study of or  
SLC 201: Introduction to Linguistics  3 hrs ENG 213 OR SLC 201 may be used to satisfy  
Social and Behavioral Science [SB] requirement  
instead.


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs


Social-Behavioral Science  3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs Global Awareness [G] may be satisfied by CHI  
201 or CHI 202.






### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asian Languages - Chinese B.A degree program. 2.33 GPA required in CHI 101, CHI 102, CHI 201, CHI 202.

MCCC Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
CHI 101: ELEMENTARY CHINESE (MANDARIN)	0-5 hrs 	Demonstrated proficiency in Chinese language at or above the 202 level is required for enrollment in upper division major requirements courses.
CHI 102: ELEMENTARY CHINESE (MANDARIN)	0-5 hrs 	
CHI 201: Intermediate Chinese I	0-5 hrs 	
CHI 202: Intermediate Chinese II	5 hrs 	Demonstrated proficiency in Chinese language at or above the 202 level is required for enrollment in upper division major requirements courses.
Lower Division Elective	0-20 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

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## Maricopa Community College District Asian Languages (Japanese), BA Pathway 2019-2020

ASU Major: [Asian Languages \(Japanese\), BA](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

ENG 213: Introduction to the Study of or  
SLC 201: Introduction to Linguistics  3 hrs SLC 201 OR ENG 213 may be used to satisfy Social and Behavioral Science [SB] requirement instead.


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Recommend SLC 201 OR ENG 213 may be used to satisfy Humanities, Arts and Design [HU] requirement instead.


Social-Behavioral Science  3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs Global Awareness [G] satisfied by JPN 101, JPN 102, JPN 201 and JPN 202






### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGCC-A, meets major map requirements at ASU, and guarantees admission to the Asian Languages - Japanese B.A. degree program. 2.33 GPA required in all tracked courses for the major: JPN 101, JPN 102, JPN 201, JPN 202.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
JPN 101: Elementary Japanese I	0-5 hrs 	Demonstrated proficiency in Japanese language at or above the 202 level is required for enrollment in upper division major requirements courses.
JPN 102: Elementary Japanese II	0-5 hrs 	
JPN 201: Intermediate Japanese I	0-5 hrs 	
JPN 202: Intermediate Japanese II	0-5 hrs 	
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Biochemistry, BA Pathway 2019-2020

ASU Major: [Biochemistry, BA](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs


#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs


Computer/Statistics/Quantitative Applications   3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs



Humanities, Arts, and Design  3 hrs

#### Social-Behavioral Science [SB]



Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

#### Natural Science [SQ, SG]


CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory   4-5 hrs  
OR


CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR   4 hrs

CHM 152AA: General Chemistry II

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biochemistry B.A. degree program.



**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs



COM 225 may be used to satisfy the Literacy and Critical Inquiry (L) general studies requirement.

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 181: General Biology (Majors) I

4 hrs



BIO 182: General Biology (Majors) II

4 hrs



CHM 235: General Organic Chemistry I and  
 CHM 235LL: General Organic Chemistry I L

4 hrs



CHM 236: General Organic Chemistry IIA  
 and  
 CHM 236LL: General Organic Chemistry IIA

4 hrs



PHY 101: Introduction to Physics OR

4-8 hrs



PHY 111: General Physics I and  
 PHY 112: General Physics II

Students considering Graduate school or health professions should complete the PHY 111 and PHY 112 sequence. All other students may complete PHY 101.

Lower Division Second Language:  
 Requirement satisfied through the following:  
 Completion of a language course at the  
 intermediate level (202 or equivalent),  
 including American Sign Language IV.

0-16 hrs

Lower Division Elective

0-4 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

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## Maricopa Community College District Biochemistry, BS Pathway 2019-2020

ASU Major: [Biochemistry, BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

3 hrs



Humanities, Arts, and Design

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science

3 hrs



Social-Behavioral Science

3 hrs



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I

4 hrs



BIO 182: General Biology (Majors) II

4 hrs



#### Subject Options

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151AA: General Chemistry I

4-5 hrs



CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR

4 hrs



CHM 152AA: General Chemistry II

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Biochemistry B.S. degree program.

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]

0-3 hrs  


Historical or Global Awareness [H] or [G]

0-3 hrs  


MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CHM 235: General Organic Chemistry I and  
CHM 235LL: General Organic Chemistry I L

4 hrs  


CHM 236: General Organic Chemistry IIA  
and  
CHM 236LL: General Organic Chemistry IIA

4 hrs  


MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II

4-5 hrs  


PHY 111: General Physics I

4 hrs  


PHY 112: General Physics II

4 hrs  


Computer/Statistics/Quantitative Applications

0-3 hrs

Lower Division Elective

0-2 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

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## Maricopa Community College District Biochemistry (Medicinal Chemistry), BS Pathway 2019-2020

ASU Major: [Biochemistry \(Medicinal Chemistry\), BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



0-3 hrs

Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

3 hrs



Humanities, Arts, and Design

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science

3 hrs



Social-Behavioral Science

3 hrs



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I

4 hrs



BIO 182: General Biology (Majors) II

4 hrs



#### Subject Options

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151AA: General Chemistry I

4-5 hrs



CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR

4 hrs



CHM 152AA: General Chemistry II



### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Biochemistry (Medicinal Chemistry) B.S. degree program.

General Education Awareness Areas [C, H, G]






Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements

CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4 hrs	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	
PHY 111: General Physics I	4 hrs	
PHY 112: General Physics II	4 hrs	
Computer/Statistics/Quantitative Applications	0-3 hrs	

Lower Division Elective	0-2 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

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## Maricopa Community College District Biological Sciences, BS Pathway 2019-2020

ASU Major: [Biological Sciences, BS](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First-Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  0-3 hrs

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I  
OR   4-5 hrs


MAT 212: Brief Calculus or  
MAT 213: Brief Calculus


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs



Humanities, Arts, and Design  3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs



Social-Behavioral Science  3 hrs



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

#### Subject Options

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory   4-5 hrs  
or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory or  
CHM 152AA: General Chemistry II   4 hrs



### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Biology degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biological Sciences, BS degree program.

General Education Awareness Areas [C, H, G]


Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 


MCCCD Additional Requirements



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements

BIO 220: Biology of Microorganisms or BIO 205: Microbiology	0-4 hrs 	Satisfies an additional major requirement. May take this course after transfer to ASU.
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CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR  CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L AND  CHM 236: General Organic Chemistry IIA or CHM 236LL: General Organic Chemistry IIA Laboratory	4-8 hrs 	Pre-health students should take two semester sequence of organic chemistry. Pre-health students should take CHM 235 and CHM 235 LL instead of CHM 230 and CHM 230LL. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a>
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MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government or PSY 230: Introduction to Statistics	3 hrs  	Although not directly equivalent, these courses are accepted to meet STP231 at ASU.
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PHY 101: Introduction to Physics OR  PHY 111: General Physics I AND  PHY 112: General Physics II	4-8 hrs 	Pre-health students should take two semester sequence of physics. Pre-health students should take PHY 111 and PHY 112. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a>
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Lower Division Elective	0-11 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Biological Sciences (Biology and Society), BS Pathway 2019-2020

ASU Major: [Biological Sciences \(Biology and Society\), BS | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I  
OR



MAT 212: Brief Calculus or  
MAT 213: Brief Calculus

MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social Research/Justice and Government or  
PSY 230: Introduction to Statistics



Although not directly equivalent, these courses are accepted to meet STP231 at ASU.

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



Humanities, Arts, and Design



#### Social-Behavioral Science [SB]

Social-Behavioral Science



Social-Behavioral Science



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I



BIO 182: General Biology (Majors) II



#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



Historical or Global Awareness [H] or [G]



### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Biology & Society) B.S. degree program



MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory

4-5 hrs  
 

OR  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II Laboratory OR

4-5 hrs  
 

CHM 152AA: General Chemistry II

Lower Division Elective 0-17 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Biological Sciences (Biomedical Sciences), BS Pathway 2019-2020

ASU Major: [Biological Sciences \(Biomedical Sciences\), BS | College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs


#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I  
OR   3-5 hrs

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus


MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social Research/Justice and Government or  
PSY 230: Introduction to Statistics  3 hrs Although not directly equivalent, these courses are accepted to meet STP231 at ASU.


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Students are encouraged to choose courses from more than one discipline for a total of six credit hours.



Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Students are encouraged to choose courses from more than one discipline for a total of six credit hours.


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs








Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Biomedical Sciences) B.S. degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ASB 100: Introduction to Global Health	3 hrs	Satisfies lower division portion of the Science and Society requirement for Bachelor of Science degrees in the College of Liberal Arts and Sciences
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory	4-5 hrs  	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II OR  CHM 154: General Chemistry II with Qua and CHM 154LL: General Chemistry II with Qua	4-5 hrs  	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Lab	4 hrs 	Pre-health students should take CHM 235 and CHM 235LL instead of CHM 230 and CHM 230LL. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a> .
PHY 101: Introduction to Physics or PHY 111: General Physics I	4-5 hrs 	Pre-health students should take PHY 111 and PHY 112 instead of PHY 101. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a> .
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. Pre-health students should take CHM 234 and CHM 238 as electives before transfer. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a> . BIO 340 and BIO 345 will need to be taken after transfer.

Total Required Credits: 60

# Pathway Agreement

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**Maricopa Community College District**  
**Biological Sciences (Conservation Biology and Ecology), BS Pathway**  
**2019-2020**


ASU Major: [Biological Sciences \(Conservation Biology and Ecology\), BS](#) | College of Liberal Arts and Sciences

## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I  
 OR   3-5 hrs


MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus

MAT 206: Elements of Statistics or  
 PSY 230: Introduction to Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government  3 hrs



Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
 BIO 181: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.







## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Conservation Biology & Ecology) B.S. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory	4-5 hrs  	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4-5 hrs  	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR  GIS 205: Geographic Information Technologies OR  GIS 211: Geographic Information Science I OR  GLG 101: Introduction to Geology I and GLG 103: Introduction to Geology I Lab OR  GPH 111: Introduction to Physical Geography and GPH 112: Introduction to Physical Geography Lab or GPH 113: Introduction to Physical Geography OR  PHY 101: Introduction to Physics or PHY 111: General Physics I	3-4 hrs 	Pre-health students should take PHY 111 and PHY 113 or CHM 235 and CHM 235 LL instead of CHM 230 and CHM 230LL to satisfy the Physical Science Requirement Course. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a>
CSC 100: Introduction to Computer Science (C++) or CSC 100AA: Introduction to Computer Science (C++) or CSC 100AB: Intro to COMPUTER SCIENCE (C++) OR  CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Intro to Computer Science (JAVA) OR  Take other QSA course at ASU after transfer.	0-4 hrs 	Satisfies Quantitative and Special Analysis Course requirement at ASU.
Lower Division Elective	0-14 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District

### Biological Sciences (Genetics, Cell and Developmental Biology), BS Pathway

2019-2020

ASU Major: [Biological Sciences \(Genetics, Cell and Developmental Biology\), BS](#) | College of Liberal Arts and Sciences

#### Pathway Requirements

##### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

##### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

##### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I  
OR



3-5 hrs

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus

MAT 206: Elements of Statistics OR



3 hrs

Although not directly equivalent, these courses are accepted to meet STP231 at ASU.

SWU 225: Statistics for Social Research/Justice and Government OR

PSY 230: Introduction to Statistics

##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



3 hrs

Humanities, Arts, and Design



3 hrs

##### Social-Behavioral Science [SB]

Social-Behavioral Science



3 hrs

Social-Behavioral Science



3 hrs

##### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I



4 hrs

BIO 182: General Biology (Majors) II



4 hrs

##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Genetics, Cell and Developmental Biology) B.S. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR

0-3 hrs



COM 110: Interpersonal Communication OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and

CHM 151LL: General Chemistry I Laboratory



4-5 hrs

or

CHM 151: General Chemistry I and

CHM 151LL: General Chemistry I Laboratory

CHM 152: General Chemistry II and

CHM 152LL: General Chemistry II

Laboratory OR



4 hrs

CHM 152AA: General Chemistry II

CHM 230: Fundamental Organic Chemistry and  
CHM 230LL: Fundamental Organic Chemistry OR

4-8 hrs

Pre-health students should take two semesters of organic chemistry. Pre-health students should take CHM 235 and CHM 235 LL instead of CHM 230 and CHM 230LL. See pre-health website for more information:  
<http://prehealth.asu.edu.explore/curriculum>CHM 235: General Organic Chemistry I and  
CHM 235LL: General Organic Chemistry I L and  
CHM 236: General Organic Chemistry IIA and  
CHM 236LL: General Organic Chemistry IIA

PHY 101: Introduction to Physics OR

4-8 hrs

Pre-health students should take two semesters of physics. Pre-health students should take PHY 111 & PHY 112. See pre-health website for more information:  
<http://prehealth.asu.edu.explore/curriculum>

PHY 111: General Physics I OR

PHY 112: General Physics

Lower Division Elective

0-9 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement

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Maricopa Community College District

Biological Sciences (Neurobiology, Physiology and Behavior), BS Pathway

2019-2020

ASU Major: [Biological Sciences \(Neurobiology, Physiology and Behavior\), BS | College of Liberal Arts and Sciences](#)

## Pathway Requirements

### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I  
OR



MAT 212: Brief Calculus or  
MAT 213: Brief Calculus

MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social Research/Justice and Government or  
PSY 230: Introduction to Statistics



Although not directly equivalent, these courses are accepted to meet STP231 at ASU.

### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



Humanities, Arts, and Design



### Social-Behavioral Science [SB]

Social-Behavioral Science



Social-Behavioral Science



### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I



BIO 182: General Biology (Majors) II



### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



Historical or Global Awareness [H] or [G]



## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements







Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGCC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Neurobiology, Physiology and Behavior) B.S. degree program.



MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 230: Small Group Communication or COM 225: Public Speaking	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory	4-5 hrs  	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR CHM 152AA: General Chemistry II	4 hrs  	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L and CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4-8 hrs 	Pre-health students should take two semesters of organic chemistry. Pre-health students should take CHM 235 and CHM 235 LL instead of CHM 230 and CHM 230LL. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a>
PHY 101: Introduction to Physics OR PHY 111: General Physics I OR PHY 112: General Physics	4-8 hrs 	Pre-health students should take two semesters of general physics. Pre-health students should take PHY 111 and 112. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a>
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Biology, BA Pathway**  
**2019-2020**



ASU Major: **Biology, BA | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 187: Precalculus OR   5-8 hrs  
 MAT 150: College Algebra and  
 MAT 182: Plane Trigonometry OR  
 MAT 151: College Algebra and  
 MAT 182: Plane Trigonometry OR  
 MAT 152: College Algebra or  
 MAT 182: Plane Trigonometry

GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government  3 hrs Recommend taking MAT 206.

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
 BIO 181: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biology B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory  
 or  
 CHM 150AA: General Chemistry I or  
 CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory  
 or  
 CHM 151AA: General Chemistry I

4-5 hrs  


CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II  
 Laboratory or  
 CHM 152AA: General Chemistry II or  
 CHM 154: GENERAL CHEMISTRY II WITH  
 QUA and  
 CHM 154LL: GENERAL CHEMISTRY II  
 WITH QU

4-5 hrs  


CHM 230: Fundamental Organic Chemistry  
 and  
 CHM 230LL: Fundamental Organic  
 Chemistry

4 hrs  


Physics Requirement 8 hrs Choose and complete Set A or Set B: Set A: PHY101 (4) and GLG101(3) + GLG103(1) or Set B: PHY111 (4) and PHY112 (4).

Lower Division Elective 0-3 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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**Maricopa Community College District**  
**Biology, BS Pathway**  
**2019-2020**

ASU Major: [Biology, BS | New College of Interdisciplinary Arts and Sciences](#)



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus   3-4 hrs

MAT 206: Elements of Statistics   3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
 BIO 181: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements








## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biology B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	4 hrs 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II	4 hrs 	
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs 	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory	0-5 hrs 	
PHY 111: General Physics I	4 hrs 	
PHY 112: General Physics II	4 hrs 	
Lower Division Elective	0-5 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement

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**Maricopa Community College District**  
**Biology (Pharmacology/Toxicology), BS Pathway**  
**2019-2020**

ASU Major: **Biology (Pharmacology/Toxicology), BS | New College of Interdisciplinary Arts and Sciences**

## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus   3-4 hrs

MAT 206: Elements of Statistics   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Biology (Majors) I   4-5 hrs

BIO 182: General Biology (Majors) II   4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biology (Pharmacology/Toxicology) B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 201: Human Anatomy and Physiology I  
 or  
 BIO 201XT: Human Anatomy and Physiology I

4 hrs



BIO 202: Human Anatomy and Physiology II

4 hrs



CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory  
 OR

4-5 hrs



CHM 150AA: General Chemistry I OR

CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory  
 OR

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II  
 Laboratory OR

4-5 hrs



CHM 152AA: General Chemistry II OR

CHM 154: General Chemistry II with  
 Qualitative Analysis or  
 CHM 154LL: General Che

CHM 235: General Organic Chemistry I and  
 CHM 235LL: General Organic Chemistry I La

4 hrs



CHM 236: General Organic Chemistry IIA or  
 CHM 238: General Organic Chemistry IIB  
 AND

4-5 hrs



CHM 236LL: General Organic Chemistry IIA  
 Laboratory or  
 CHM 238LL: GENERAL ORGANIC  
 CHEMISTRY IIB LAB

PHY 111: General Physics I or  
 PHY 111AA: General Physics I

4-5 hrs



Total Required Credits: 63





# Pathway Agreement

Print

## Maricopa Community College District Biomedical Engineering, BSE Pathway 2019-2020

ASU Major: [Biomedical Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core		
ENG 101: First-Year Composition OR	3 hrs	
ENG 107: First-Year Composition for ESL		
ENG 102: First-Year Composition OR	3 hrs	
ENG 108: First-Year Composition for ESL		
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs	ECE 102 and ECE 103 will satisfy ASU's BME 100.
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs	 
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs	
PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4-5 hrs	 
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism	4-5 hrs	 
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	 
CHM 150AA: General Chemistry I OR		
CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory OR		
CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs	 
CHM 152AA: General Chemistry II		
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs	Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.
Social-Behavioral Science and AGEC Awareness Areas	3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Biomedical Engineering BSE degree program.





Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of "C" or better.

Students interested in completing the BSE Biomedical Engineering degree with two additional years at ASU, are highly encouraged to meet with an academic advisor in SBHSE one year prior to transferring to ASU. Due to the highly prescribed nature of the BME coursework, there are several factors that may affect your graduation timeline and should be discussed individually.

Additional Lower Division Requirements



BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4-5 hrs		
BIO 201: Human Anatomy and Physiology I and BIO 202: Human Anatomy and Physiology II			0-8 hrs May be completed after transfer to ASU. Meets BME235 at ASU.
CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Intro to Computer Science (JAVA)	3-4 hrs		
ECE 105: MATLAB Programming	1 hrs		
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles		 	0-3 hrs May be completed after transfer to ASU.
EEE 202: Circuits and Devices	5 hrs		

Total Required Credits: 60

# Pathway Agreement

[Print](#)

## Maricopa Community College District Biophysics, BS Pathway 2019-2020

ASU Major: [Biophysics, BS](#) | [College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry



0-3 hrs

Recommend selecting a course that satisfies  
Literacy & Critical Inquiry, Social-Behavioral  
Sciences, Humanities & Fine Arts, COM, or CRE  
101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



3 hrs

Humanities, Arts, and Design



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science



3 hrs

Social-Behavioral Science



3 hrs

#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I



4 hrs

BIO 182: General Biology (Majors) II



4 hrs

#### Subject Options

PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS or  
PHY 115: University Physics I



4-5 hrs

PHY 131: University Physics II: Electricity  
and Magnetism or  
PHY 116: University Physics II



0-5 hrs

General Education Awareness Areas [C, H, G]



### Pathway Notes

2.0 GPA in coursework used to satisfy  
MAPP requirements. All courses must  
be completed with a grade of C or  
greater.


### Special Requirements

Completion of the MAPP and all special  
requirements satisfies the requirements  
for MCCC Associate in Science degree  
and AGEC-S, meets major map  
requirements at ASU, and guarantees  
admission to the Biophysics B.S. degree  
program.

A GPA of 2.5 is required in tracked  
courses MAT 220 (or MAT 221), MAT  
231, MAT241, PHY 121 (or PHY 115)  
and PHY 131 (or PHY 116).



Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**


CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	 
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CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
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CHM 151AA: General Chemistry I		
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CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs	 
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CHM 152AA: General Chemistry II		
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MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	
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MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	
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Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement

Print


## Maricopa Community College District Biotechnology and Bioenterprise, BS Pathway 2019-2020



ASU Major: [Biotechnology and Bioenterprise, BS | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR   3-5 hrs Focus Area determines MAT course:  
Biostatistics Focus Area complete MAT 220;  
Biotechnology or Bioentrepreneurship Focus  
Area complete MAT 212.


MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
BIO 181: General Biology (Majors) I  4 hrs

BIO 182: General Biology (Majors) II  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements


### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.








### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biotechnology and Bioenterprise BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	 
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs	 
CHM 152AA: General Chemistry II		
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory	4 hrs	
EPS 150: Introduction to Entrepreneurship	3 hrs	Bioentrepreneurship Focus Area complete EPD 150; other Focus Areas may complete a general elective.
GBS 221: Business Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government OR	4-5 hrs	 Focus Area determines STP/MAT course: Biostatistics Focus Area complete MAT 230; Biotechnology or Bioentrepreneurship Focus Area complete GBS 221 or MAT 206 or SWU 225.
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II		
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics	4-5 hrs	

Total Required Credits: 62





# Pathway Agreement


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**Maricopa Community College District**  
**Business (Business Administration), BA Pathway**  
**2019-2020**



ASU Major: **Business (Business Administration), BA | W. P. Carey School of Business**





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus	 3-4 hrs
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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## Maricopa Community College District Business (Communication), BA Pathway 2019-2020


ASU Major: **Business (Communication), BA | W. P. Carey School of Business**



### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs  
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.



Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ]  4 hrs  
Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	AZTransfer.com and consult a community college advisor to ensure the course selected meets both requirements." data-bbox="495 445 715 525">" data-bbox="495 445 715 525">Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="https://www.aztransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="https://www.aztransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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## Maricopa Community College District Business (Corporate Accounting), BA Pathway 2019-2020

ASU Major: [Business \(Corporate Accounting\), BA | W. P. Carey School of Business](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles  3 hrs


ECN 212: Microeconomic Principles  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

#### MCCCD Additional Requirements

### Pathway Notes






All courses must be completed with a grade of "C" or better.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

<b>ABUS Business Electives</b>	<b>0-6 hrs</b>	Select two courses (6 hours) from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. Select in consultation with a Maricopa Advisor
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 230: Small Group Communication	0-3 hrs 	The Corporate Accounting degree requires COM 100 or COM 230 (in addition to COM 225).
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3 hrs	
PSY course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**Business (Food Industry Management), BA Pathway**  
**2019-2020**


ASU Major: **Business (Food Industry Management), BA | W. P. Carey School of Business**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs  
 If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.



Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information Systems   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ]  4 hrs  
 Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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## Maricopa Community College District Business (Global Agribusiness), BA Pathway 2019-2020

ASU Major: [Business \(Global Agribusiness\), BA | W. P. Carey School of Business](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs  
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs



CIS 105: Survey of Computer Information  
Systems   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles   3 hrs


ECN 212: Microeconomic Principles   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ]  4 hrs  
Select at least one [SQ] within the Natural Science requirement. BIO 100 is strongly recommended for students going into Global Agribusiness.

Natural Science [SQ, SG]   4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



Print


## Maricopa Community College District Business (Global Leadership), BA Pathway 2019-2020


ASU Major: [Business \(Global Leadership\), BA | W. P. Carey School of Business](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs  
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ]  4 hrs  
Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.




### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
Additional Lower Division Requirements		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



Print


## Maricopa Community College District Business (Global Logistics Management), BA Pathway 2019-2020


ASU Major: [Business \(Global Logistics Management\), BA | W. P. Carey School of Business](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs  
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ]  4 hrs  
Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**Business (Global Politics), BA Pathway**  
**2019-2020**


ASU Major: **Business (Global Politics), BA | W. P. Carey School of Business**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs  
 If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
 Systems   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs  
 Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



Print



**Maricopa Community College District  
Business (Health Care), BA Pathway  
2019-2020**

ASU Major: **Business (Health Care), BA | W. P. Carey School of Business**


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs



CIS 105: Survey of Computer Information  
Systems   3 hrs



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles   3 hrs


ECN 212: Microeconomic Principles   3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs HCR 220 [H] is preferred.

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



Print


## Maricopa Community College District Business (Human Resources), BA Pathway 2019-2020


ASU Major: **Business (Human Resources), BA | W. P. Carey School of Business**


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs  
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs  
Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District  
Business (Information Security), BA Pathway  
2019-2020**

ASU Major: **Business (Information Security), BA | W. P. Carey School of Business**


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs



CIS 105: Survey of Computer Information  
Systems   3 hrs



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Select a course that also fulfills Historical Awareness [H]


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles   3 hrs


ECN 212: Microeconomic Principles   3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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**Maricopa Community College District**  
**Business (Law), BA Pathway**  
**2019-2020**



ASU Major: **Business (Law), BA | W. P. Carey School of Business**





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus	 3-4 hrs
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement



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


**Maricopa Community College District**  
**Business (Public Service and Public Policy), BA Pathway**  
**2019-2020**





ASU Major: **Business (Public Service and Public Policy), BA | W. P. Carey School of Business**





## Pathway Requirements





<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs





<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	  3 hrs	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus	  3-4 hrs
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	  3 hrs
Humanities, Arts, and Design	  3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	  4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	  4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	  0-3 hrs
Historical or Global Awareness [H] or [G]	  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**Business (Retail Management), BA Pathway**  
**2019-2020**


ASU Major: **Business (Retail Management), BA | W. P. Carey School of Business**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs  
 If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information Systems   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science  4 hrs  
 Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.



Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



CIS 114DE: Excel Spreadsheet OR	0-6 hrs	Select two courses (6 hours) from the list of courses. Select in consultation with a Maricopa Advisor.
CIS 133DA: Internet/Web Development Leve OR		
CIS 162AD: C#: Level I OR		
GBS 151: Introduction to Business OR		
GBS 220: QUANTITATIVE METHODS IN BUSIN OR		
GBS 233: Business Communication OR		
GBS 110: HUMAN RELATIONS IN BUSINESS/I or MGT 251: Human Relations in Business OR		
IBS 101: Intro to International Business OR		
MGT 253: OWNING & OPERATING A SMALL BU OR		
MKT 271: Principles of Marketing OR		
PAD 100: Course Title Not Available OR		
REA 179: Real Estate Principles I OR		
REA 180: Real Estate Principles II OR		
SBU 200: Society and Business		

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://aztransfer.com">aztransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://aztransfer.com">aztransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**Business (Sports Business), BA Pathway**  
**2019-2020**


ASU Major: **Business (Sports Business), BA | W. P. Carey School of Business**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs  
 If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information Systems   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs  
 Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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## Maricopa Community College District Business (Sustainability), BA Pathway 2019-2020

ASU Major: **Business (Sustainability), BA | W. P. Carey School of Business**


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs   
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs



CIS 105: Survey of Computer Information  
Systems   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles   3 hrs


ECN 212: Microeconomic Principles   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs   
Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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## Maricopa Community College District Business (Technology), BA Pathway 2019-2020



ASU Major: [Business \(Technology\), BA | W. P. Carey School of Business](#)





### Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs 	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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Mathematical Studies [MA, CS] MAT 212: Brief Calculus or MAT 213: Brief Calculus	3-4 hrs 
CIS 105: Survey of Computer Information Systems	3 hrs  

Humanities, Arts, and Design [HU] Humanities, Arts, and Design	3 hrs 
Humanities, Arts, and Design	3 hrs 

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles	3 hrs  
ECN 212: Microeconomic Principles	3 hrs  

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**Business (Tourism), BA Pathway**  
**2019-2020**


ASU Major: **Business (Tourism), BA | W. P. Carey School of Business**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs  
 If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.



Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information Systems   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs  
 Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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## Maricopa Community College District Business Data Analytics, BS Pathway 2019-2020

ASU Major: [Business Data Analytics, BS | W. P. Carey School of Business](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles  3 hrs


ECN 212: Microeconomic Principles  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

#### MCCCD Additional Requirements

CIS 162AD: C#: Level I 3 hrs

CIS 250: Management INFORMATION SYSTEM 3 hrs

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:






- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, Special Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.

**Total Required Credits: 62**

# Pathway Agreement



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## Maricopa Community College District Business Entrepreneurship, BS Pathway 2019-2020

ASU Major: [Business Entrepreneurship, BS | W. P. Carey School of Business](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs  
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs



CIS 105: Survey of Computer Information  
Systems   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles   3 hrs


ECN 212: Microeconomic Principles   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs  
Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)






Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

<b>ABUS Business Electives</b>	<b>0-6 hrs</b>	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR 	6-9 hrs	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics 	3 hrs	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS 	0-3 hrs	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course (SB) 	3 hrs	MGT320 (required for this major at ASU) requires a prerequisite of PSY101 or SOC101.
SOC Course (SB) 	3 hrs	MGT320 (required for this major at ASU) requires a prerequisite of PSY101 or SOC101.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement

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## Maricopa Community College District Chemical Engineering, BSE Pathway 2019-2020

ASU Major: [Chemical Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	 4 hrs
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	  4-5 hrs
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	  4-5 hrs
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	 3-4 hrs
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	  4-5 hrs
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory	  4 hrs
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	  4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	  4-5 hrs
Humanities, Arts, and Design and AGEC Awareness Areas	 3 hrs Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science and AGEC Awareness Areas	 3 hrs Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes




There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements for the Chemical Engineering degree program. A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU. Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses.

Note: Students interested in completing the BSE Chemical Engineering degree with two additional years at ASU, must complete CHE 211 and CHE 231 through equivalent coursework, concurrent-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

Additional Lower Division Requirements

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should take courses MAT 225, ECE 230, ECE 231, CHM 235/235LL and CHM 236 before other elective course options. All other additional requirements listed can be completed after transfer to ASU.
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs 	
CHM 236: General Organic Chemistry IIA	3 hrs 	
BIO 181: General Biology (Majors) I or BIO 182: General Biology (Majors) II or ECE 111: Bioengineering Systems	3-4 hrs 	
Humanities, Arts, and Design and AGEC Awareness Areas	0-3 hrs	
Social-Behavioral Science and AGEC Awareness Areas	0-3 hrs	

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Chemistry, BA Pathway 2019-2020

ASU Major: [Chemistry, BA | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Social-Behavioral Science

3 hrs



#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory



or  
CHM 150AA: General Chemistry I or  
CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



CHM 152AA: General Chemistry II

#### Subject Options

PHY 111: General Physics I



PHY 112: General Physics II

4 hrs



### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Chemistry B.A. degree program.






General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		COM 225 may also be used to satisfy Literacy and Critical Inquiry (L) general studies requirement.
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4 hrs	
MAT 231: Calculus with Analytic Geometry II	4 hrs	

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs		May be completed after transfer to ASU. Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
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Proficiency exams to test out of the second language requirement are available for select languages. More information can be found here: <https://silc.asu.edu/student-life/academic-advising/placement-testing/placement-testing-undergraduates>

Lower Division Elective	0-10 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60



## Pathway Agreement

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### Maricopa Community College District Chemistry, BS Pathway 2019-2020

 ASU Major: [Chemistry, BS | College of Liberal Arts and Sciences](#)

#### Pathway Requirements

##### First-Year Composition [FYC]

 ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL

3 hrs


 ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL

3 hrs



##### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy &amp; Critical Inquiry, Social-Behavioral Sciences, Humanities &amp; Fine Arts, COM, or CRE 101 requirements simultaneously.

##### Mathematical Studies [MA]

 MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I

4-5 hrs



##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design [HU]

3 hrs



##### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Social-Behavioral Science [SB]

3 hrs



##### Natural Science [SQ, SG]

 CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory or  
CHM 150AA: General Chemistry I or  
CHM 151AA: General Chemistry I

4-5 hrs


 CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II Laboratory OR

4 hrs



CHM 152AA: General Chemistry II

##### Subject Options

 MAT 230: Calculus with Analytic Geometry II or  
MAT 231: Calculus with Analytic Geometry II

4-5 hrs

#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

#### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Chemistry and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Chemistry, BS degree program.



MAT 240: Calculus with Analytic Geometry III or  
MAT 241: Calculus with Analytic Geometry III

4-5 hrs



### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs



### MCCCD Additional Requirements

COM 100: Introduction to Human Communication OR

COM 110: Interpersonal Communication OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

0-3 hrs



COM 225 may be used to satisfy Literacy and Critical Inquiry (L) general studies requirement.

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

### Additional Lower Division Requirements

CHM 235: General Organic Chemistry I and  
CHM 235LL: General Organic Chemistry I Laboratory

4 hrs



CHM 236: General Organic Chemistry IIA and  
CHM 236LL: General Organic Chemistry IIA

4 hrs



MAT 225: Elementary Linear Algebra

3 hrs

An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Map will be satisfied by Linear Algebra and Differential Equations for the AZ community college student.

MAT 276: Modern Differential Equations or  
MAT 277: Modern Differential Equations

3-4 hrs

An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Map will be satisfied by Linear Algebra and Differential Equations for the AZ community college student.

PHY 115: University Physics I OR

PHY 121: UNIVERSITY PHYSICS I: MECHANICS

4-5 hrs



PHY 116: University Physics II OR

PHY 131: University Physics II: Electricity and Magnetism

4-5 hrs



Computer/Statistics/Quantitative Applications

0-3 hrs

Lower Division Elective

0-4 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 64

# Pathway Agreement

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## Maricopa Community College District Chemistry (Environmental Chemistry), BS Pathway 2019-2020

ASU Major: [Chemistry \(Environmental Chemistry\), BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Social-Behavioral Science

3 hrs



#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory



or  
CHM 150AA: General Chemistry I or  
CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



CHM 152AA: General Chemistry II





Subject Options



### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.





### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Chemistry and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Chemistry (Environmental Chemistry), BS degree program.

MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements	
COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	
CRE 101: College Critical Reading	0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements	
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs 
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4 hrs 
MAT 225: Elementary Linear Algebra	3 hrs An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Mapp will be satisfied by Linear Algebra and Differential Equations for the AZ community college student.
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Mapp will be satisfied by Linear Algebra and Differential Equations for the AZ community college student.
PHY 115: University Physics I OR	4-5 hrs 
PHY 121: UNIVERSITY PHYSICS I: MECHANICS	
PHY 131: University Physics II: Electricity and Magnetism	4 hrs 
Computer/Statistics/Quantitative Applications	0-3 hrs
Lower Division Elective	0-4 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 64

# Pathway Agreement



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**Maricopa Community College District**  
**Civil Engineering, BSE Pathway**  
**2019-2020**

ASU Major: [Civil Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements



### Engineering Core

CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory   4-5 hrs  
 OR



CHM 150AA: General Chemistry I OR



CHM 151: General Chemistry I or  
 CHM 151LL: General Chemistry I Laboratory  
 OR



CHM 151AA: General Chemistry I



CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II  
 Laboratory OR   4 hrs



CHM 152AA: General Chemistry II



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs



ECE 102: Engineering Analysis Tools an or  
 ECE 102AA: Engineering Analysis Tools and  
 Techniques and   4 hrs  
 ECE 103: Engineering Problem Solving and  
 Design or  
 ECE 103AB: Engineering Problem Solving  
 and Design or  
 ECE 103EP: Engineering Problem Solving  
 and Design (with EPICS projects)



MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs

MAT 231: Calculus with Analytic Geometry II  
 or  
 MAT 230: Calculus with Analytic Geometry II   4-5 hrs

MAT 241: Calculus with Analytic Geometry III  
 or  
 MAT 240: Calculus with Analytic Geometry III   4-5 hrs

MAT 277: Modern Differential Equations or  
 MAT 276: Modern Differential Equations  3-4 hrs

PHY 121: UNIVERSITY PHYSICS I:  
 MECHANICS or  
 PHY 115: University Physics I   4-5 hrs

PHY 131: University Physics II: Electricity  
 and Magnetism or  
 PHY 116: University Physics II   4-5 hrs

Humanities, Arts, and Design and  
 AGEC Awareness Areas

3 hrs

Take one course that satisfies Humanities, Arts,  
 and Design AND an Awareness Area  
 requirement.

### Pathway Notes

There are no notes for this pathway



### Special Requirements

Completion of the Maricopa to ASU  
 Engineering Pathway and all special  
 requirements meets ASU major map  
 requirements and guarantees admission  
 to the Civil Engineering (Environmental  
 Engineering), Civil Engineering  
 (Sustainable Engineering), and  
 Construction Engineering BSE degree  
 programs.

Note: Engineering Core Courses should  
 be completed prior to enrolling in any  
 additional lower division requirement  
 courses. While requirements listed will  
 meet ASU degree requirements, only 64  
 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA  
 as calculated by ASU for admissions. All  
 courses must be completed with a grade  
 of "C" or better.

### Additional Lower Division Requirements

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215 and ECN 211 or ECN 212 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
CHM 230: Fundamental Organic Chemistry OR GLG 101: Introduction to Geology I - P OR BIO 181: General Biology (Majors) I OR BIO 182: General Biology (Majors) II	3-4 hrs 	Recommend completing BIO 181 or BIO 182.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamic	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles	0-3 hrs 	
Lower Division Elective	0-1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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**Maricopa Community College District**  
**Civil Engineering (Sustainable Engineering), BSE Pathway**  
**2019-2020**

ASU Major: [Civil Engineering \(Sustainable Engineering\), BSE | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements

Engineering Core		
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  	
CHM 150AA: General Chemistry I OR		
CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory OR		
CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs  	
CHM 152AA: General Chemistry II		
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs  	
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  	
MAT 231: Calculus with Analytic Geometry II	4 hrs  	
MAT 241: Calculus with Analytic Geometry III	4 hrs  	
MAT 277: Modern Differential Equations	3 hrs 	
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	4-5 hrs  	
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  	
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science and AGEC Awareness Areas	3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

## Pathway Notes

There are no notes for this pathway

## Special Requirements



Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Chemical Engineering, Civil Engineering (Environmental Engineering), Civil Engineering (Sustainable Engineering), and Construction Engineering BSE degree programs.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of "C" or better.

Additional Lower Division Requirements



CHM 230: Fundamental Organic Chemistry or GLG 101: Introduction to Geology I - Physical Lecture or BIO 181: General Biology (Majors) I or BIO 182: General Biology (Majors) II	3-4 hrs 	Recommend completing BIO 181 or BIO 182.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamic	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles	3 hrs 	
MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215 and ECN 211 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.

Total Required Credits: 65

# Pathway Agreement



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## Maricopa Community College District Communication, BA Pathway 2019-2020

ASU Major: [Communication, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs Meets MCCCDC Additional Requirements below.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistic/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

COM 100: Introduction to Human Communication   3 hrs Meets MCCCDC Additional Requirements below.


COM 230: Small Group Communication 3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCDC Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Met by COM 100, COM 225, or COM 230
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 207: Intro to COMMUNICATION INQUIRY	3 hrs	
COM Elective	3 hrs	Lower division COM that transfers as a departmental elective.
Lower Division Elective	0-19 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Communication, BA Pathway 2019-2020

ASU Major: [Communication, BA | College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs Meets MCCCDC Additional Requirement.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistics/Quantitative Applications  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

COM 100: Introduction to Human Communication   3 hrs Meets MCCCDC Additional Communication Requirement below.


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCDC Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BA degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking	0 hrs 	Met by COM 225 and COM 100.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 207: Intro to COMMUNICATION INQUIRY	3 hrs	
COM 110: Interpersonal Communication or COM 110AA: Interpersonal Communication Part I and COM 110AB: Interpersonal Communication Part II and COM 110AC: Inter or COM 241: Oral Interpretation of Literature or THP 241: Oral Interpretation of Literature or COM 250: Introduction to Organizational Communication or COM 163: Intercultural Communication in Everyday Life or COM 263: ELEMENTS OF INTERCULTURAL COMM	0-3 hrs	COM 110, COM 110AA and AB and AC, COM 163, COM 250, or COM 263 also fulfills [SB]
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-22 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Communication, BA Pathway 2019-2020

ASU Major: [Communication, BA](#) | College of Integrative Sciences and Arts


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs Meets MCCCDC Additional Requirements below.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistic/Quantitative Analysis  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

COM 100: Introduction to Human Communication   3 hrs Meets MCCCDC Additional Requirements below.


COM 230: Small Group Communication  3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCDC Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BA degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Met by COM 100, COM 225, or COM 230.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 207: Intro to COMMUNICATION INQUIRY	3 hrs	
COM Elective	3 hrs	Lower division COM that transfers as a departmental elective.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency, OR, complete COM 263 (at MCCC or ASU) and COM 371 (at ASU) to fulfill this requirement. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Communication, BS Pathway 2019-2020

ASU Major: [Communication, BS | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs



GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government or  
PSY 230: Introduction to Statistics   3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

COM 100: Introduction to Human  
Communication   3 hrs


COM 230: Small Group Communication 3 hrs COM 230 can be used to satisfy the remaining 3 Social & Behavioral Sciences AGEC requirement.


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>.



**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0 hrs



MCCCD Additional Requirements COM course satisfied by COM 225.

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 207: Introduction to  
COMMUNICATION INQUIRY 3 hrs

COM Elective 3 hrs

Lower Division Elective

0-19 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement

Print

## Maricopa Community College District Communication, BS Pathway 2019-2020

ASU Major: [Communication, BS | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking



3 hrs

Meets MCCCDC Additional Requirements below.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review



3-6 hrs

#### Computer/Statistics/Quantitative Analysis



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

COM 100: Introduction to Human Communication



3 hrs

Meets MCCCDC Additional Requirements below.

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

MCCCDC Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BS degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	Met by COM 100 or COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 207: Intro to COMMUNICATION INQUIRY	3 hrs	
COM 110: Interpersonal Communication or COM 110AA: Interpersonal Communication Part I and COM 110AB: Interpersonal Communication Part II and COM 110AC: Inter or COM 241: Oral Interpretation of Literature or THP 241: Oral Interpretation of Literature or COM 250: Introduction to Organizational Communication or COM 163: Intercultural Communication in Everyday Life or COM 263: ELEMENTS OF INTERCULTURAL COMM	0-3 hrs	COM 110, COM 110AA and AB and AC, COM 163, COM 250, or COM 263 also fulfills [SB]
Lower Division Elective	5-22 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Community Advocacy and Social Policy, BA Pathway**  
**2019-2020**


ASU Major: [Community Advocacy and Social Policy, BA | College of Public Service and Community Solutions](#)


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs



Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs

Computer/Statistics/Quantitative Analysis [CS]  3 hrs Recommend a statistics course


Humanities, Arts, and Design [HU]  
 SWU 183: Introductory Ethics: A Social  
 Service Perspective OR   3 hrs  
 PHI 101: Introduction to Philosophy or  
 PHI 102: Introduction to Philosophy or  
 PHI 105: Introduction to Ethics

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 SWU 182: A Social Services Perspective of  
 Government OR  3 hrs  
 POS 110: American National Government

PSY 101: Introduction to Psychology or  
 SOC 101: Introduction to Sociology   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science [SQ, SG]  4 hrs Recommend BIO 156 or BIO 160 or BIO 201.

General Education Awareness Areas [C, H, G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Advocacy and Social Policy, BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Historical Awareness [H] met by SWU 171.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
SWU 171: Introduction to Social Welfare	3 hrs		
SWU 181: Economics: A Social Issues Perspective OR ECN 211: Macroeconomic Principles	3 hrs		
SWU 250: Mindfulness for Stress Management	3 hrs		Satisfies ASU's Social Problems and Interventions requirement.
SWU 291: Social Service Delivery Systems	3 hrs		
Public Service Interdisciplinary Requirement	6 hrs		Students can choose courses from any of the three Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from two different groups. Courses from this requirement may be used to fulfill any qualifying AGEC requirements simultaneously.
Lower Division Elective	0-7 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

## Track/Groups

### Public Service Interdisciplinary Requirement

Public Service Interdisciplinary Requirement	
AJS 212: Juvenile Justice Procedures or AJS 225: Criminology or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Public Service Interdisciplinary Requirement-Area 1
Public Service Interdisciplinary Requirement	
PAD 100: 21st Century Public Policy and Service or PAD 200: Public Affairs Economics	Public Service Interdisciplinary Requirement-Area 2
Public Service Interdisciplinary Requirement	
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	Public Service Interdisciplinary Requirement-Area 3

# Pathway Agreement



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## Maricopa Community College District Community Health, BS Pathway 2019-2020

ASU Major: [Community Health, BS](#) | College of Nursing and Health Innovation


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review  3-6 hrs Or higher level course that meets [MA] requirement


PSY 230: Introduction to Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government   3 hrs



#### Humanities, Arts, and Design [HU]

HCR 210: Clinical Health Care Ethics  3 hrs



Humanities, Arts, and Design  3 hrs



#### Social-Behavioral Science [SB]

CFS 205: Human Development  3 hrs

PSY 101: Introduction to Psychology   3 hrs

#### Natural Science [SQ, SG]


BIO 201: Human Anatomy and Physiology   4 hrs

CHM 130: Fundamental Chemistry and  
CHM 130LL: Fundamental Chemistry  
Laborat OR   4 hrs

CHM 130AA: Fundamental Chemistry with  
Lab

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by HCR 230.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by HCR 220.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.




### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Health B.S. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 202: Human Anatomy and Physiology	4 hrs 	
BIO 205: Microbiology	4 hrs 	
FON 241: Principles of Human Nutrition	3 hrs	
HCR 220: Introduction to Nursing and Health Care Systems	3 hrs	
HCR 230: Culture and Health	3 hrs	
HCR 240: Human Pathophysiology	4 hrs	
SOC 101: Introduction to Sociology	3 hrs 	
Lower Division Elective	0-1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Community Sports Management, BS Pathway 2019-2020

ASU Major: [Community Sports Management, BS](#) | [College of Public Service and Community Solutions](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking



3 hrs

Meets MCCCDC Additional Communication Requirement.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review



3-6 hrs

Computer/Statistics/Quantitative Applications  
[CS]



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



3 hrs

Humanities, Arts, and Design



3 hrs

#### Social-Behavioral Science [SB]

REC 120: Leisure and the Quality of Life



3 hrs

Social-Behavioral Science [SB]

3 hrs

#### Natural Science [SQ, SG]

Natural Science



4 hrs

Select at least one SQ within the Natural Science requirement.

Natural Science



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

Historical Awareness [H] met by SWU 171.

MCCCDC Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Sports Management B.S. degree program.



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	COM requirement: Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Just or AJS 225: Criminology or AJS 270: Community Relations	3 hrs 	
EXS 150: Introduction to Sports Management	3 hrs	
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: Programming of Recreation Services	3 hrs	
SWU 171: Introduction to Social Welfare or SWU 181: Economics: A Social Issues Perspective or SWU 182: A Social Services Perspective of Government or SWU 183: Introductory Ethics: A Social Service Perspective or SWU 250: Mindfulness for Stress Management	3 hrs	Take one of the following courses
Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Community Sports Management (Events), BS Pathway 2019-2020

ASU Major: [Community Sports Management \(Events\), BS | Watts College of Public Service & Community Solut](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs Meets MCCCDC Additional Communication Requirement.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs

#### Social-Behavioral Science [SB]

REC 120: Leisure and the Quality of Life  3 hrs


Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs Historical Awareness [H] met by SWU 171.


MCCCDC Additional Requirements

### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Sports Management (Events) B.S. degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	COM requirement: Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Just or AJS 109: Substantive Criminal Law or AJS 212: Juvenile Justice Procedures or AJS 225: Criminology or AJS 270: Community Relations	3 hrs 	Take one of the following courses
EXS 150: Introduction to Sports Management	3 hrs	
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: Programming of Recreation Services	3 hrs	
SWU 171: Introduction to Social Welfare or SWU 181: Economics: A Social Issues Perspective or SWU 182: A Social Services Perspective of Government or SWU 183: Introductory Ethics: A Social Service Perspective or SWU 250: Mindfulness for Stress Management	3 hrs	Take one of the following courses
Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Computational Mathematical Sciences, BS Pathway**  
**2019-2020**

ASU Major: [Computational Mathematical Sciences, BS](#) | College of Liberal Arts and Sciences


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs


CSC 110: Introduction to Computer Science  
 or  
 CSC 110AA: Introduction to Computer  
 Science or  
 CSC 110AB: Intro to Computer Science  
 (JAVA)  3-4 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Humanities [HU] PHI 103 recommended, but not required, for meeting HU requirement.

Humanities, Arts, and Design  3 hrs

### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

### Natural Science [SQ, SG]



## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Computational Mathematical Sciences B.S. degree program.


Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. 3.0 cumulative GPA in tracking courses CSC 110, CSC 205, MAT 221, MAT 231, MAT 241. Each of these courses must be completed with a grade of "B" or better.

AST 111: Introduction to Solar System Astronomy and AST 113: Introduction to Solar System Astronomy Laboratory OR	4-5 hrs 	Complete a 2-semester sequence lecture/lab combination. The same prefix must be selected for both Natural Science requirements.
BIO 181: General Biology (Majors) I OR		
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR		
GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab or GLG 101IN: Introduction to Geology I - Physical		
AST 112: Introduction to Stars, Galaxies, and Cosmology and AST 114: Intro to Stars, Galaxies, & Cosmology Laboratory OR	4-5 hrs 	Complete a 2-semester sequence lecture/lab combination. The same prefix must be selected for both Natural Science requirements.
BIO 182: General Biology (Majors) II OR		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II OR		
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism OR		
GLG 102: Intro to GEOLOGY II-HISTORICAL LECTR and GLG 104: Intro to GEOLOGY II-HISTORICAL LAB or GLG 102IN: Introduction to Geology II - Historical		





General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 recommended, but not required, can satisfy Literacy and Critical Inquiry (L).

Additional Lower Division Requirements

CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures or CSC 205AC: Object Oriented Programming and Data Structures or CSC 205AD: Object Oriented Programming and Data Structures	3-4 hrs 	
CSC 240: Introduction to Different Pro or CSC 240AA: Introduction to Different Pro	3-4 hrs	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 	
MAT 262: Differential Equations or MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 	
Lower Division Science Sequence Course and SQ or SG Natural Science	8 hrs	Another one-year sequence of natural science is required for the major. Select courses that transfer as equivalencies to the track courses listed on the major map: <a href="https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACMSBS/null/ALL/2019">https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACMSBS/null/ALL/2019</a>
Lower Division Elective	0-3 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 64

# Pathway Agreement



Print



## Maricopa Community College District Computer Information Systems, BS Pathway 2019-2020

ASU Major: [Computer Information Systems, BS | W. P. Carey School of Business](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles  3 hrs


ECN 212: Microeconomic Principles  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

#### MCCCD Additional Requirements

CIS 162AD: C#: Level I 3 hrs

CIS 250: Management INFORMATION SYSTEM 3 hrs

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, Special Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and  
ACC 230: Uses of Accounting Information  
and  
ACC 240: Uses of Accounting Information  
OR

6-9 hrs  


ACC 111: Accounting Principles I and  
ACC 112: Accounting Principles II and  
ACC 212: Managerial Accounting OR


ACC 211: Financial Accounting and  
ACC 212: Managerial Accounting

COM 100: Introduction to Human Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication or  
COM 259: COMM IN BUSINESS & PROFESSIONS

0-3 hrs  


If COM225 is selected, it may be also be applied  
to meet Literacy and Critical Inquiry [L].

GBS 205: LEGAL, ETHICAL/REGULATORY  
ISSUES/BUS 3 hrs

GBS 221: Business Statistics 3 hrs  


MAT 217: Mathematical Analysis for  
Business or  
MAT 218: Mathematical Analysis for  
Business 3-4 hrs

PSY Course

3 hrs  


Select a course that transfers to ASU with the  
PSY prefix and [SB] designation. Check the  
Course Equivalency Guide on aztransfer.com  
and consult a community college advisor to  
ensure the course selected meets both  
requirements.

SOC Course

3 hrs  


Select a course that transfers to ASU with the  
SOC prefix and [SB] designation. Check the  
Course Equivalency Guide on aztransfer.com  
and consult a community college advisor to  
ensure the course selected meets both  
requirements.

**Total Required Credits: 62**



# Pathway Agreement



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**Maricopa Community College District**  
**Computer Science, BS Pathway**  
**2019-2020**

ASU Major: [Computer Science, BS](#) | [Ira A. Fulton Schools of Engineering](#)


## Pathway Requirements

### First-Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  0-3 hrs Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities, Arts, and Design, COM, or CRE 101 requirements simultaneously.

### Mathematical Studies [MA]


MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.



Humanities, Arts, and Design  3 hrs

### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.



Social-Behavioral Science  3 hrs

### Natural Science [SQ, SG]

CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory OR   4-5 hrs Select the Biology, Chemistry or Physics sequence. Fulfills the Lab Science requirement.

PHY 115: University Physics I or  
 PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

BIO 181: General Biology (Majors) I

CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II  
 Laboratory OR   4-5 hrs

PHY 116: University Physics II or  
 PHY 131: University Physics II: Electricity  
 and Magnetism OR

BIO 182: General Biology (Majors) II

Subject Options





## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Computer Science degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Computer Science, BS degree program.


In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University.

MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  

**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs 	


**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science or CSC 110AB: Intro to Computer Science (JAVA)	3-4 hrs
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ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools an AND	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
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ECE 103: Engineering Problem Solving a or ECE 103AB: Engineering Problem Solving a or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	
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CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs
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CSC 205: Object Oriented Programming a or CSC 205AA: Object Oriented Programming a or CSC 205AB: Object Oriented Programming a	3-4 hrs 
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CSC 240: Introduction to Different Pro	3 hrs
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EEE 230: COMPUTER ORG & ASSEMBLY LANGUAGE or CSC 230: COMPUTER ORG & ASSEMBLY LANGUAGE	4 hrs
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MAT 227: Discrete Mathematical Structures	3 hrs 
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Lab Requirement	4-5 hrs	See <a href="http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreequireme">http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreequireme</a> for list of science options.
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**Total Required Credits: 66**

# Pathway Agreement

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## Maricopa Community College District Computer Science (Cybersecurity), BS Pathway 2019-2020

ASU Major: [Computer Science \(Cybersecurity\), BS](#) | Ira A. Fulton Schools of Engineering

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies L (Literacy & Critical Inquiry) and SB (Social-Behavioral Sciences) OR L (Literacy & Critical Inquiry) and HU (Humanities & Fine Arts), OR L (Literacy & Critical Inquiry) and COM, or L (Literacy & Critical Inquiry) and CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Social-Behavioral Science

3 hrs



#### Natural Science [SQ, SG]

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR



4-5 hrs

Select the Biology, Chemistry or Physics sequence. Fulfills the Lab Science requirement.

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

BIO 181: General Biology (Majors) I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



4-5 hrs

PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism OR

BIO 182: General Biology (Majors) II

### Pathway Notes





2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements


The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Computer Science degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Computer Science (Cybersecurity), BS degree program.


In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science (Cybersecurity) BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University.

Subject Options

MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 	Awareness Area courses may concurrently satisfy HU or SB requirements.
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Historical or Global Awareness [H] or [G]	0-3 hrs 
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MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science or CSC 110AB: Intro to Computer Science (JAVA)	3-4 hrs
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CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs
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CSC 205: Object Oriented Programming a or CSC 205AA: Object Oriented Programming a or CSC 205AB: Object Oriented Programming a	3-4 hrs 
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CSC 240: Introduction to Different Pro	3 hrs
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ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools an AND	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving a or ECE 103AB: Engineering Problem Solving a or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		

EEE 230: COMPUTER ORG & ASSEMBLY LANGUAGE or CSC 230: COMPUTER ORG & ASSEMBLY LANGUAGE	4 hrs
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MAT 227: Discrete Mathematical Structures	3 hrs 
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Lab Requirement	4-5 hrs	See <a href="http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequireme">http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequireme</a> for list of science options.
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Total Required Credits: 66

# Pathway Agreement

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## Maricopa Community College District Computer Science (Software Engineering), BS Pathway 2019-2020

ASU Major: [Computer Science \(Software Engineering\), BS | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies L (Literacy & Critical Inquiry) and SB (Social-Behavioral Sciences), OR L (Literacy & Critical Inquiry) and HU (Humanities & Fine Arts), OR L (Literacy & Critical Inquiry) and COM, or L (Literacy & Critical Inquiry) and CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Social-Behavioral Science

3 hrs



#### Natural Science [SQ, SG]

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR



Select the Biology, Chemistry or Physics sequence.

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

BIO 181: General Biology (Majors) I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism OR

BIO 182: General Biology (Majors) II

### Pathway Notes





2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements



The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Computer Science degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Computer Science (Software Engineering), BS degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science (Software Engineering) BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University.


Subject Options

MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  




**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Awareness Area courses may concurrently satisfy HU or SB requirements.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CSC 110: Introduction to Computer Scie or CSC 110AA: Introduction to Computer Scie or CSC 110AB: Intro to Computer Science (JA)	3-4 hrs	
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools an AND	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving a or ECE 103AB: Engineering Problem Solving a or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
CSC 205: Object Oriented Programming a or CSC 205AA: Object Oriented Programming a or CSC 205AB: Object Oriented Programming a	3-4 hrs 	
CSC 240: Introduction to Different Pro	3 hrs	
EEE 230: COMPUTER ORG & ASSEMBLY LANGUAGE or CSC 230: COMPUTER ORG & ASSEMBLY LANGUAGE	4 hrs	
MAT 227: Discrete Mathematical Structures	3 hrs 	
Lab Requirement	4-5 hrs	See <a href="http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreequireme">http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreequireme</a> for list of science options.

Total Required Credits: 66

# Pathway Agreement

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## Maricopa Community College District Computer Systems Engineering, BSE Pathway 2019-2020

ASU Major: [Computer Systems Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### Engineering Core

ECE 102: Engineering Analysis Tools and or  
ECE 102AA: Engineering Analysis Tools and Techniques AND



4 hrs

The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.

ECE 103: Engineering Problem Solving and Design or  
ECE 103AB: Engineering Problem Solving and Design or  
ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

ENG 101: First-Year Composition OR 3 hrs



ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition OR 3 hrs



ENG 108: First-Year Composition for ESL

MAT 220: Calculus with Analytic Geometry I or 4-5 hrs



MAT 221: Calculus with Analytic Geometry I

MAT 230: Calculus with Analytic Geometry II or 4-5 hrs



MAT 231: Calculus with Analytic Geometry II

MAT 240: Calculus with Analytic Geometry III or 4-5 hrs



MAT 241: Calculus with Analytic Geometry III

MAT 276: Modern Differential Equations or 3 hrs



MAT 277: Modern Differential Equations

PHY 121: UNIVERSITY PHYSICS I: MECHANICS 4 hrs



PHY 131: University Physics II: Electricity and Magnetism 4 hrs



Humanities, Arts, and Design [HU] and General Education Awareness Areas [C, H, G]

3 hrs



Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.

Social-Behavioral Science [SB] and General Education Awareness Areas [C, H, G]

3 hrs



Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

#### Additional Lower Division Requirements

EEE 202: Circuits and Devices

5 hrs

Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete EEE 202, MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.

CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR 0-4 hrs



CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR

BIO 181: General Biology (Majors) I OR

BIO 182: General Biology (Majors) II

#### Pathway Notes




2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

#### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Computer Systems Engineering and Computer Systems Engineering (Cybersecurity) BSE degree program.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of "C" or better.

CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science or CSC 110AB: Intro to Computer Science (JAVA)	3-4 hrs 	
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures	3-4 hrs 	
CSC 220: Programming for Computer Engineers or EEE 220: PROGRAMMING for COMPUTER ENGINEERING	3 hrs	
CSC 230: COMPUTER ORG & ASSEMBLY LANGUAGE or EEE 230: COMPUTER ORG and ASSEMBLY LANGUAGE	4 hrs	
MAT 227: Discrete Mathematical Structures	3 hrs 	MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 must be taken before other elective options.
Humanities, Arts, and Design [HU] and General Education Awareness Areas [C, H, G]	0-3 hrs	Students should try to cover all awareness areas with their four HU/SB courses.
Social-Behavioral Science [SB] and General Education Awareness Areas [C, H, G]	0-3 hrs	Students should try to cover all awareness areas with their four HU/SB courses.

Total Required Credits: 64



# Pathway Agreement

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## Maricopa Community College District Computer Systems Engineering (Cybersecurity), BSE Pathway 2019-2020

ASU Major: [Computer Systems Engineering \(Cybersecurity\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### Engineering Core

ECE 102: Engineering Analysis Tools and  
ECE 102AA: Engineering Analysis Tools and Techniques AND

4 hrs



The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both classes to get credit for both.

ECE 103: Engineering Problem Solving and Design or  
ECE 103AB: Engineering Problem Solving and Design or  
ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

ENG 102: First-Year Composition OR 3 hrs



ENG 108: First-Year Composition for ESL

ENG 101: First-Year Composition OR 3 hrs



ENG 107: First-Year Composition for ESL

MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I 4-5 hrs



MAT 230: Calculus with Analytic Geometry II or  
MAT 231: Calculus with Analytic Geometry II 4-5 hrs



MAT 240: Calculus with Analytic Geometry III or  
MAT 241: Calculus with Analytic Geometry III 4-5 hrs



MAT 276: Modern Differential Equations or  
MAT 277: Modern Differential Equations 3-4 hrs



PHY 121: UNIVERSITY PHYSICS I: MECHANICS 4 hrs



PHY 131: University Physics II: Electricity and Magnetism 4 hrs



Social-Behavioral Science [SB] and  
General Education Awareness Areas [C, H, G]

3 hrs



Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

Humanities, Arts, and Design [HU] and  
General Education Awareness Areas [C, H, G]

3 hrs



Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.

#### Additional Lower Division Requirements

EEE 202: Circuits and Devices

5 hrs

Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete EEE 202, MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR 0-4 hrs



CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II Laboratory OR

BIO 181: General Biology (Majors) I OR

BIO 182: General Biology (Majors) II

### Pathway Notes




2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Computer Systems Engineering and Computer Systems Engineering (Cybersecurity) BSE degree program.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of "C" or better.

CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Intro to Computer Science (JAVA)	3-4 hrs 	
CSC 120: Digital Design Fundamentals	4 hrs	
CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures	3-4 hrs 	
CSC 220: Programming for Computer Engineers or EEE 220: PROGRAMMING for COMPUTER ENGINEERING	3 hrs	
CSC 230: COMPUTER ORG & ASSEMBLY LANGUAGE	4 hrs	
MAT 227: Discrete Mathematical Structures	3 hrs 	MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 must be taken before other elective options
Humanities, Arts, and Design [HU] and General Education Awareness Areas [C, H, G]	0-3 hrs	Students should try to cover Cultural, Global, and Historical awareness areas within all of their HU/SB Courses.
Social-Behavioral Science [SB] and General Education Awareness Areas [C, H, G]	0-3 hrs	Students should try to cover Cultural, Global, and Historical awareness areas within all of their HU/SB Courses.

Total Required Credits: 64

# Pathway Agreement



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## Maricopa Community College District Conflict Resolution, BA Pathway 2019-2020

ASU Major: [Conflict Resolution, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs Recommend POS 115, which can be also used to fulfill 3 credit hours of Politics and Social Problems Focus Area OR Communication and Ethics Focus Area.


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications [CS]  3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Recommend COM 230.


COM 100: Introduction to Human Communication   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs Recommend COM 163, which can also be used to fulfill 3 credit hours of Interpersonal Dynamics Focus Area.

Historical or Global Awareness [H] or [G]  0-3 hrs Recommend POS 125, which can be also used to fulfill 3 credit hours of Global Awareness Focus Area.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Conflict Resolution B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 100.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

<b>Focus Area Courses</b>	0-6 hrs	Students will choose two Focus Areas from which up to six credit hours can be taken at the community college. Focus Areas include: Communication and Ethics; Global Awareness; Interpersonal Dynamics; or Politics and Social Problems. Courses cannot be used to fulfill multiple Focus Area requirements. Courses may be taken after transfer.
<b>Lower Division Elective</b>	0-25 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

**Track/Groups**

**Focus Area Courses**

Focus Area Courses	
COM 163: Intercultural Communication in Everyday Life or	Interpersonal Dynamics Focus Area
COM 263: ELEMENTS OF INTERCULTURAL COMM	Focus Area Courses
POS 115: Issues in American Politics	Politics and Social Problems Focus Area OR Communication and Ethics Focus Area
Courses	
POS 125: Issues in World Politics	Global Awareness and Historical Context Focus Area
Focus Area Courses	
SOC 241: Race and Ethnic Relations	Politics and Social Problems Focus Area
Focus Area Courses	
SOC 251: Social Problems	Politics and Social Problems Focus Area

# Pathway Agreement

Print

## Maricopa Community College District Construction Engineering, BSE Pathway 2019-2020

ASU Major: [Construction Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs 
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	4-5 hrs  
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  
CHM 150AA: General Chemistry I OR	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs  
CHM 152AA: General Chemistry II	
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs
Social-Behavioral Science and AGEC Awareness Areas	3 hrs

### Pathway Notes

There are no notes for this pathway



### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Civil Engineering (Environmental Engineering), Civil Engineering (Sustainable Engineering), and Construction Engineering BSE degree programs.

Pathway Notes: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of "C" or better.

**Additional Lower Division Requirements**

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215 and ECN 211 or ECN 212 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles	3 hrs 	
ECE 111: Bioengineering Systems or GLG 101: Introduction to Geology I - Physical Lecture or BIO 181: General Biology (Majors) I or BIO 182: General Biology (Majors) II	3-4 hrs 	
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamic	3 hrs	
CON 271: Construction Safety	3-5 hrs	
ECE 215: Mechanics of Materials	3 hrs	
EEE 202: Circuits and Devices	5 hrs	

Total Required Credits: 73

# Pathway Agreement



Print



## Maricopa Community College District Construction Management, BS Pathway 2019-2020

ASU Major: [Construction Management, BS | Ira A. Fulton Schools of Engineering](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 187: Precalculus OR   5-9 hrs

MAT 150: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR

MAT 151: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR


MAT 152: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR


MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry



MAT 206: Elements of Statistics   3 hrs



#### Humanities, Arts, and Design [HU]

CON 101: Construction and Culture  3 hrs



Humanities, Arts, and Design  3 hrs Select one course that also fulfills the Cultural Awareness Area.


#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

#### Natural Science [SQ, SG]

PHY 111: General Physics I   4 hrs

Natural Science [SQ]  4 hrs Select another SQ within the Natural Science requirement.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Construction Management B.S. degree program.

Minimum transfer GPA of 3.00 **and** no high school math or science competency deficiencies. OR Minimum transfer GPA of 2.50, **and** Minimum GPA of 2.75 in all ASU Tracking courses (refer to major map for Critical Courses), **and** no high school math or science competency deficiencies.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>.

All courses must be completed with a grade of "C" or better.

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]

0-3 hrs  


Historical or Global Awareness [H] or [G]

0-3 hrs  


Satisfied by CON 101.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


Satisfied by COM 225.

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CET 211: Strength of Materials or  
 CON 223: Strength of Materials 3 hrs

CON 221: Applied Statics 3 hrs

CON 241: Surveying 3 hrs

CON 243: Heavy Construction Equipment,  
 Methods, and Materials 3 hrs

CON 244: Working Drawing Analysis:  
 Blueprint Reading 3 hrs

CON 252: Building Construction Methods,  
 Materials, and Equipment 3 hrs

CON 251: Microcomputers for Constructors 3 hrs

CON 273: Electrical Construction  
 Fundamentals 3 hrs

Total Required Credits: 61



# Pathway Agreement



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**Maricopa Community College District**  
**Counseling and Applied Psychological Science, BS Pathway**  
**2019-2020**



ASU Major: **Counseling and Applied Psychological Science, BS | College of Integrative Sciences and Arts**

## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 PSY 290AB: Research Methods or  
 PSY 290AC: Research Methods  4 hrs

Mathematical Studies [MA, CS]  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR   5-9 hrs


MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR


MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR


MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR


MAT 187: Precalculus


PSY 230: Introduction to Statistics  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts and Design (HU)  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology  3 hrs

Social-Behavioral Sciences (SB)  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs



## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Counseling and Applied Psychological Science B.S. degree program.

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. (C)	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements

BIO course	4 hrs	Select one course that transfers to ASU as a course equivalent or department elective (DEC) in the following ASU prefixes: ABS, BIO, or MIC.
Lower Division Elective	3-18 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Criminology and Criminal Justice, BS Pathway 2019-2020

ASU Major: [Criminology and Criminal Justice, BS](#) | College of Public Service and Community Solutions


### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
OR

MAT 150: College Algebra/Functions or  
MAT 151: College Algebra/Functions or  
MAT 152: College Algebra/Functions or  
MAT 155: College Algebra/Functions with  
Review or  
MAT 156: College Algebra/Functions with  
Review


Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]



Humanities, Arts, and Design  3 hrs

Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

SWU 171: Introduction to Social Welfare  3 hrs


SWU Courses - ASU Criminal Justice & Criminology BS requires 9 credit hours (3 courses) to fulfill the Public Programs Interdisciplinary requirement. Two courses are taken prior to transfer to ASU. The remaining course will be taken after transfer.

PSY 101: Introduction to Psychology or  
SOC 101: Introduction to Sociology   3 hrs

#### Natural Science [SQ, SG]

Natural Science  4 hrs

Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Criminal Justice & Criminology B.S. degree program.

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]

0-3 hrs  


Historical or Global Awareness [H] or [G]

0-3 hrs  


3 credit hours [H] satisfied by SWU 171.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

AJS 101: Introduction To Criminal Justice

3 hrs

AJS 113: Criminal Justice Crime Control

3 hrs

AJS 230: The Police Function or  
AJS 240: The Correction Function

3 hrs

AJS 212: Juvenile Justice Procedures OR

6 hrs

Take two of the following courses.

AJS 109: Substantive Criminal Law OR

AJS 270: Community Relations

REC 120: Leisure and the Quality of Life

3 hrs

REC 120, PRM 120 - ASU Criminal Justice & Criminology BS requires 9 credit hours (3 courses) to fulfill the Public Program interdisciplinary requirement. Two courses are taken prior to transfer to ASU. The remaining course will be taken after transfer.

Criminal Justice Elective

6 hrs

Criminal Justice Elective: Select two courses (6 hours) that transfers to ASU as a 200-level course with CRJ prefix. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective

0-1 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print


## Maricopa Community College District Digital Culture (Art), BA Pathway 2019-2020


ASU Major: [Digital Culture \(Art\), BA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


Computer/Statistics/Quantitative Analysis  3 hrs


Humanities, Arts, and Design [HU]  
ARH 102: Renaissance Through  
Contemporary or  
ARH 115: History of Photography   3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
Natural Science  4 hrs Select at least one course with the SQ designation. PHY 101 recommended.

Natural Science  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs [C] can be shared with [SB].

Historical or Global Awareness [H] or [G]  0-3 hrs [H] will be satisfied if ARH 102 taken. [G] can be shared with [HU].

MCCCD Additional Requirements




### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Art), BA degree program.

Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit: <http://herbergerinstitute.asu.edu/degrees/digital>.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
ARH 102: College Critical Reading and Critical Thinking or ARH 115: History of Photography or DAH 100: Introduction to Dance or DAH 250: Dance in Popular Culture or HUM 205: Introduction to Cinema or HUM 206: INTRODUCTION TO TELEVISION ARTS or HUM 210: Contemporary Cinema or MHL 140: Survey of Music History or MHL 143: Music in World Cultures or MHL 145: American Jazz and Popular Music or MHL 146: Survey of Broadway Musicals or MHL 153: Rock Music and Culture or MHL 155: Survey of American Music or THE 111: Introduction to Theatre or THF 206: Introduction to Television Arts or THF 210: Contemporary Cinema	3 hrs		If a course on the approved HU course list is selected, it may be shared with HU.
ART 111: Drawing I or ART 112: Two-Dimensional Design or ART 113: Color	3 hrs		
ART 185: 3-D Modeling for Animation or ART 284: Intermedia Animation or CIS 120DC: Adobe Animate: Digital Animation or ART 202: Digital Arts Survey	3 hrs		
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photo or MTC 191: Electronic Music I or ART 184: Computer Animation or CIS 133DA: Internet/Web Development Level I	3 hrs		
CIS 120DA: Introduction to Digital Video Editing: Adobe Premiere or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or CIS 120DK: Introduction to Digital Video Editing or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or CIS 120AJ: Introduction to Digital Photo Editing	1-3 hrs		
CIS 163AA: Java Programming: Level I or CSC 110: Introduction to Computer Science (Java)	3 hrs		
Lower Division Elective	0-9 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Digital Culture (Film), BA Pathway 2019-2020

ASU Major: [Digital Culture \(Film\), BA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


Computer/Statistics/Quantitative Analysis  3 hrs


#### Humanities, Arts, and Design [HU]

HUM 210: Contemporary Cinema or  
THF 210: Contemporary Cinema  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs


Social-Behavioral Science  3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement. PHY 101 recommended.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs



MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Film) BA degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art or ARH 112: History of Modern Art or DAH 100: Introduction to Dance or DAH 250: Dance in Popular Culture or HUM 205: Introduction to Cinema or HUM 206: INTRODUCTION TO TELEVISION ARTS or MHL 140: Survey of Music History or MHL 143: Music in World Cultures or MHL 145: American Jazz and Popular Music or MHL 146: Survey of Broadway Musicals or MHL 153: Rock Music and Culture or MHL 155: Survey of American Music or THE 111: Introduction to Theatre or THF 206: Introduction to Television Arts or THF 205: Introduction to Cinema	3 hrs		
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photography or MTC 191: Electronic Music I or ART 184: Computer Animation or ADA 184: Computer Animation or MMT 184: Computer Animation or MMT 190: Art of Web Site Design	3 hrs		
CIS 120DA: Introduction to Digital Video Editing: Adobe Premiere or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or CIS 120DK: Introduction to Digital Vvideo Editing or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or CIS 120AJ: Introduction to Digital Photo Editing	1-3 hrs		
CIS 163AA: Java Programming: Level I or CSC 110: Introduction to Computer Science (Java)	3 hrs		
Complete any course that transfers to ASU with a FMP, FMS, THP, or THE prefix.	3 hrs		
Lower Division Elective	0-12 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement



[Print](#)


**Maricopa Community College District**  
**Digital Culture (Media Processing), BA Pathway**  
**2019-2020**

ASU Major: [Digital Culture \(Media Processing\), BA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus   4-5 hrs


CSC 110: Introduction to Computer Science  
 (Java)  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design   3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
 Natural Science  4 hrs Select at least one SQ. PHY 101 recommended.

Natural Science  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs




MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Media Processing), BA degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photography or ART 184: Computer Animation or MTC 191: Electronic Music I or ADA 184: Computer Animation or MMT 184: Computer Animation or MMT 190: Art of Web Site Design	3 hrs	
CIS 120DA: Digital Video Editing: Adobe Premiere or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or CIS 120DK: Introduction to Digital Video Editing or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or CIS 120AJ: Introduction to Digital Photo Editing	1-3 hrs	
CIS 163AA: Java Programming: Level I or CIS 132: HTML/CSS or CSC 100AA: Introduction to Computer Science (C++)	3 hrs	
CSC 205: Object Oriented Programming and Data Structures	3 hrs 	
CSC 240: Introduction to Different Programming Languages	3 hrs	
MAT 225: Elementary Linear Algebra	3 hrs	
MAT 227: Discrete Mathematical Structures	3 hrs 	As per "or permission of instructor" in Maricopa's MAT227 course description, academic advisors and other student services personnel are authorized by Maricopa's Math Instructional Council to approve MAT227 registration using either MAT212/213 OR MAT220/221 (and CSC110 or CSC110) as the course prerequisites.
Lower Division Elective	0-5 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


Print


## Maricopa Community College District Digital Culture (Music), BA Pathway 2019-2020


ASU Major: [Digital Culture \(Music\), BA | Herberger Institute for Design and the Arts](#)



### Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs	
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Mathematical Studies [MA, CS] MAT 212: Brief Calculus or MAT 213: Brief Calculus	3-4 hrs	
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Computer/Statistics/Quantitative Applications	3 hrs	 MTC 180: Computer Literacy for Musicians is recommended
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Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs	
Humanities, Arts, and Design [HU]	3 hrs	

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs	
Social-Behavioral Science [SB]	3 hrs	

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs	 Select at least one course with the SQ designation. PHY101 recommended.
Natural Science [SQ, SG]	4 hrs	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	


MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Music), BA degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ARH 102: Renaissance Through Contemporary Art or ARH 112: History of Modern Art or DAH 100: Introduction to Dance or DAH 250: Dance in Popular Culture or HUM 205: Introduction to Cinema or HUM 206: INTRODUCTION TO TELEVISION ARTS or HUM 210: Contemporary Cinema or MHL 140: Survey of Music History or MHL 143: Music in World Cultures or MHL 145: American Jazz and Popular Music or MHL 146: Survey of Broadway Musicals or MHL 153: Rock Music and Culture or MHL 155: Survey of American Music or THE 111: Introduction to Theatre or THF 206: Introduction to Television Arts or THF 210: Contemporary Cinema or THF 205: Introduction to Cinema	3 hrs	
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photography or MTC 191: Electronic Music I or ART 184: Computer Animation or MMT 190: Art of Web Site Design or MMT 184: Computer Animation	3 hrs	
CIS 163AA: Java Programming: Level I or CSC 110: Introduction to Computer Science (Java)	3 hrs	
CIS 120DA: Introduction to Digital Video Editing: Adobe Premiere or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or CIS 120DK: Introduction to Digital Video Editing or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or CIS 120AJ: Introduction to Digital Photo Editing	1-3 hrs	
MTC 100: Fundamentals of Music or MTC 101: Introduction to Music Theory or MTC 105: Music Theory I and MTC 106: Aural Perception I	3-4 hrs	
MTC 120: Introduction to Sound Design for Film and Video or MTC 180: COMPUTER LITERACY for MUSICIANS or MTC 191: Electronic Music I or MTC 192: Electronic Music II	3 hrs	
Complete any course that transfers to ASU with a MUS, MUP, MUE, or MTC prefix.	3 hrs	
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Digital Culture (Theatre), BA Pathway 2019-2020


ASU Major: [Digital Culture \(Theatre\), BA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 163AA: Java Programming: Level I or  
CSC 110: Introduction to Computer Science  
(Java)  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Natural Sciences: Select at least one SQ. PHY 101 recommended.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs



MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Theatre), BA degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art or ARH 112: History of Modern Art or DAH 100: Introduction to Dance or DAH 250: Dance in Popular Culture or HUM 205: Introduction to Cinema or HUM 206: INTRODUCTION TO TELEVISION ARTS or HUM 210: Contemporary Cinema or MHL 140: Survey of Music History or MHL 143: Music in World Cultures or MHL 145: American Jazz and Popular Music or MHL 146: Survey of Broadway Musicals or MHL 153: Rock Music and Culture or MHL 155: Survey of American Music or THE 111: Introduction to Theatre or THF 206: Introduction to Television Arts or THF 210: Contemporary Cinema	3 hrs		
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photography or MTC 191: Electronic Music I or ART 184: Computer Animation	3 hrs		
CIS 120DA: Introduction to Digital Video Editing; Adobe Premiere or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or CIS 120DK: Introduction to Digital Video Editing or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or CIS 120AJ: Introduction to Digital Photo Editing	1-3 hrs		
THP 216: Beginning Stage Lighting or THP 265: Introduction to Stage Management or THP 203: Technical Theatre Production or THP 213: Intro to Technical Theatre or THP 226: Theatrical Design: Costuming	3 hrs		
THP 217: Intro to Design Scenography	3 hrs		
Theater Production Elective	3 hrs		Complete any course that transfers to ASU with a THP, THE, or FMP prefix.
Lower Division Elective	0-9 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Disability Studies, BA Pathway 2019-2020


ASU Major: [Disability Studies, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ course within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements


### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGCC-A, meets major map requirements at ASU, and guarantees admission to the Disability Studies B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement

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## Maricopa Community College District

### Early Childhood and Early Childhood Special Education, BAE Pathway

2019-2020

ASU Major: [Early Childhood and Early Childhood Special Education, BAE | Mary Lou Fulton Teachers College](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking



Meets MCCCDC Additional Communication Requirement below.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review or  
Higher level course that meets MA requirement



Students must meet one of the following MCCCDC prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142/145/146, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

CIS 105: Survey of Computer Information Systems or  
BPC 110: Computer Usage & Applications or  
CSC 180: Computer Literacy or  
CSC 180AA: Computer Literacy or  
CSC 180AB: Computer Literacy



#### Humanities, Arts, and Design [HU]

EDU 291: Children's Literature or  
ENH 291: Children's Literature



Humanities, Arts, and Design [HU]



Course that fulfills Humanities, Arts, and Design [HU] and Global Awareness [G]

#### Social-Behavioral Science [SB]

POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865



HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

EDU 222: Intro to the Exceptional Learner or  
EED 222: Introduction to the Exceptional Young Child: Birth to Age Eight



#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]



### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Early Childhood Education/Early Childhood Special Education B.A.E. degree program and the teacher preparation program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.

Since ASU BAE Early Childhood and Early Childhood Special Education degree does not include an upper division Global Awareness course, students on this pathway need to complete both Historical [H] and Global [G] Awareness as part of the AAEE and MAPP.

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0 hrs 	3 hours [C] met by EDU 222 or EED 222.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016).

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Met by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CFS 235: Developing Child: Theory into Practice, Prenatal - Age 8 or EED 205: The Developing Child: Prenatal to Age Eight	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	EDU 230 is an acceptable MAPP course substitution for TEL 203.
EED 215: HEALTH, SAFETY, NUTRITION/FITNESS OR  CFS 123: HLTH/NUTRITION-EARLY CHILDHOOD and CFS 125: SAFETY IN EARLY CHILDHOOD SETTINGS	2-3 hrs	
EDU 221: Introduction to Education or EED 200: Foundations of Early Childhood Education	3 hrs	
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs	
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs	
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU). Recommend selecting a course with [G] if not already met by another course.  POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB].

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Earth and Environmental Studies, BA Pathway**  
**2019-2020**



ASU Major: [Earth and Environmental Studies, BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs


Mathematical Studies [MA, CS]  
 MAT 187: Precalculus OR   3-9 hrs  
 MAT 150: College Algebra and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I

Computer/Statistics/Quantitative Analysis  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs

Humanities, Arts, and Design  3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs









Natural Science [SQ, SG]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Earth & Environmental Studies B.A. degree program.

BIO 100: Biology Concepts or BIO 182: General Biology (Majors) II or PHY 111: General Physics I or PHY 101: Introduction to Physics	4 hrs  	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I or CHM 130: Fundamental Chemistry and CHM 130LL: Fundamental Chemistry Laboratory	4-5 hrs  	
General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 	
Historical or Global Awareness [H] or [G]	0-3 hrs 	GLG 102 will satisfy [H] requirement
MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
Additional Lower Division Requirements GLG 101: Introduction to Geology I and GLG 103: Introduction to Geology I -	4 hrs 	
GLG 102: Intro to GEOLOGY II-HISTORICAL LECTURE and GLG 104: Intro to Geology II Lab-Historical OR  GLG 106: Life in the Universe and GLG 107: Life in the Universe Laboratory OR  GLG 110: Geological Disasters and the Environment and GLG 111: GEOL DISASTERS and ENVIRONMENT LAB OR  AST 106: Life in the Universe  Credits change from (3) to (4) starting Spring 2019 or AST 107: Life in the Universe Laboratory	8 hrs	Students should complete two of the three pairings listed. GLG 102 will satisfy [H] requirement
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	For Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Earth and Space Exploration, BS Pathway 2019-2020

ASU Major: [Earth and Space Exploration, BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

Recommend selecting a course that satisfies Literacy and Critical Inquiry, COM or CRE 101 requirements simultaneously. Associate of Science degrees also allow for HU or SB to be satisfied at the same time as L.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS



4-5 hrs

PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism



4-5 hrs

#### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III





4-5 hrs

### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements




Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Science Degree and AGEC-S, meets major map requirements at ASU and guarantees admission to the Earth & Space Exploration B.S. degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	4-5 hrs	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II or CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	4-5 hrs	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs	
Lower Division Elective	0-8 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Earth and Space Exploration (Astrophysics), BS Pathway 2019-2020

ASU Major: [Earth and Space Exploration \(Astrophysics\), BS](#) | College of Liberal Arts and Sciences


### Pathway Requirements

First-Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  0-3 hrs Recommend selecting a course that satisfies Literacy and Critical Inquiry, COM or CRE 101 requirements simultaneously.

Mathematical Studies [MA]  
MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs



Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS   4-5 hrs

PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism   4-5 hrs

Subject Options  
MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II   4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III  4-5 hrs



General Education Awareness Areas [C, H, G]

### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Astronomy degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Earth and Space Exploration (Astrophysics),BS degree program.


Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AST 111: Introduction to Solar System	4 hrs	
AST 112: Introduction to Stars, Galaxies, and Cosmology	4 hrs	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	0-3 hrs	
Lower Division Elective	0-14 hrs	

This requirement can be fulfilled after transfer to ASU.

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**



# Pathway Agreement

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## Maricopa Community College District Earth and Space Exploration (Geological Sciences), BS Pathway 2019-2020

ASU Major: [Earth and Space Exploration \(Geological Sciences\), BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies  
Literacy and Critical Inquiry and COM or CRE  
101 requirement simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



Humanities, Arts, and Design [HU]



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



Social-Behavioral Science [SB]



#### Natural Science [SQ, SG]

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS



PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism



#### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III



### Pathway Notes


2.0 GPA in coursework used to satisfy  
MAPP requirements. All courses must  
be completed with a grade of C or  
greater.




### Special Requirements

Completion of the MAPP and all special  
requirements satisfies the requirements  
for MCCC Associate in Science degree  
and AGEC-S, meets major map  
requirements at ASU, and guarantees  
admission to the Earth & Space  
Exploration (Geological Sciences) B.S.  
degree program.

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by GLG 102.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication OR	0-3 hrs		
COM 110: Interpersonal Communication OR			
COM 225: Public Speaking OR			
COM 230: Small Group Communication			
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	4-5 hrs		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II	4-5 hrs		
GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab	4 hrs		
GLG 102: Intro to GEOLOGY II-HISTORICAL LECTURE and GLG 104: Introduction to Geology II - Historical Lab	4 hrs		GLG 102 satisfies Historical Awareness [H] Requirement
Lower Division Elective	0-6 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Economics, BS Pathway**  
**2019-2020**


ASU Major: **Economics, BS | W. P. Carey School of Business**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
 Systems   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles  3 hrs

ECN 212: Microeconomic Principles  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements






This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**Economics, BS Pathway**  
**2019-2020**



ASU Major: [Economics, BS](#) | College of Liberal Arts and Sciences



## Pathway Requirements


**First Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

**Literacy and Critical Inquiry [L]**  
 Literacy and Critical Inquiry  3 hrs

**Mathematical Studies [MA, CS]**  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus or  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   3-4 hrs


GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government or  
 PSY 230: Introduction to Statistics   3 hrs

**Humanities, Arts, and Design [HU]**  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


**Social-Behavioral Science [SB]**  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

**Natural Science [SQ, SG]**  
 Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

**General Education Awareness Areas [C, H, G]**  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Economics degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Economics, BS degree program.

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

MAT 217: Mathematical Analysis for Business or  
MAT 218: Mathematical Analysis for Business or  
MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II

4-5 hrs  


Lower Division Elective 7-21 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



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**Maricopa Community College District  
Educational Studies, BAE Pathway  
2019-2020**


ASU Major: [Educational Studies, BAE](#) | [Mary Lou Fulton Teachers College](#)



## Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs



CIS 105: Survey of Computer Information  
Systems or  
BPC 110: Computer Usage & Applications or  
CSC 180: Computer Literacy or  
CSC 180aa: Computer Literacy or  
CSC 180ab: Computer Literacy   3-4 hrs

Humanities, Arts, and Design [HU]  
EDU 291: Children's Literature or  
ENH 291: Children's Literature  3 hrs

Humanities, Arts, and Design  3 hrs

Social-Behavioral Science [SB]  
EDU 221: Introduction to Education or  
EED 200: Foundations of Early Childhood  
Education  3 hrs

EDU 222: Intro to EXCEPTIONAL LEARNER  
or  
EED 222: INTRO EXCPT YNG CHLD:  
BIRTH-8  3 hrs

Natural Science [SQ, SG] Natural Science	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science	 4 hrs	Select at least one SQ within the Natural Science requirement.

## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGCC-A, meets major map requirements at ASU, and guarantees admission to the Educational Studies B.A.E. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

The Bachelor of Arts in Education (BAE) in educational studies is designed to prepare students to work with children and youth outside of a traditional classroom setting. While this degree does not lead to teacher certification, it will provide a foundation of knowledge in educational practices for use in the community setting.

Cultural Diversity in the U.S. [C]	0 hrs 	[C] met by EDU 222 or EED 222.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU BAE requirements.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	EDU 230 is an acceptable MAPP course substitution for TEL 203.
EED 215: HEALTH, SAFETY, NUTRITION/FITNESS OR  CFS 123: HLTH/NUTRITION-EARLY CHILDHOOD and CFS 125: SAFETY IN EARLY CHILDHOOD SETTINGS	2-3 hrs	
Educational Studies Track Courses	0-6 hrs	Check the ASU major map for the Educational Studies Track Courses in which you are interested in and complete the course(s) in that track listed in the Track/Groups section below. If interested in the Environmental Education, Global Studies, Health Innovation, or Nonprofit Administration track, the courses will need to be completed at ASU.
Lower Division Elective	0-20 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).  Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU BAE requirements.

Total Required Credits: 60

**Track/Groups**

Educational Studies Track Courses

Educational Studies Track Courses	
ECN 211: Macroeconomic Principles	Business Educational Studies Track Course
Educational Studies Track Courses	
HCR 220: Introduction to Nursing and Health Care Systems	Community Health Educational Studies Track Course
Educational Studies Track Courses	
CFS 205: Human Development AND	Family and Human Development Educational Studies Track Course
CFS 112: Personal Growth and Family Relations	Educational Studies Track Courses
HON 201: Leadership Development: Historical and Contemporary Perspectives or MGT 229: Management and Leadership I AND	Organizational Leadership Educational Studies Track Course
MGT 230: Management and Leadership II	Educational Studies Track Courses
FON 100: Introductory Nutrition	Personal Health Educational Studies Track Course
Educational Studies Track Courses	
POS 110: American National Government AND	Political Science Educational Studies Track Course
POS 140: Comparative Government	Educational Studies Track Courses
REC 120: Leisure and the Quality of Life	Recreation Management Educational Studies Track Course





# Pathway Agreement

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## Maricopa Community College District Electrical Engineering, BSE Pathway 2019-2020

ASU Major: [Electrical Engineering, BSE](#) | Ira A. Fulton Schools of Engineering

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 	3 hrs	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 	3 hrs	
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	 	4 hrs	
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)			
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	 	4-5 hrs	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	 	4-5 hrs	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	 	4-5 hrs	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations		3-4 hrs	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	 	4-5 hrs	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR			
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I			
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory	 	4 hrs	
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	 	4-5 hrs	
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	 	4-5 hrs	
PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena		4 hrs	Students should complete PHY 241, EEE 120, EEE 202, EEE 230, CSC 100 before taking any other Additional Lower Division Requirements listed. Any other Additional Lower Division Requirements listed can be completed after transfer to ASU.
Humanities, Arts, and Design and AGEC Awareness Areas		3 hrs	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science and AGEC Awareness Areas		3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Electrical Engineering and Electrical Engineering (Electric and Power Systems) BSE degree programs. All transfer courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

**Note:** Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

**Special Requirements:** Transfer students must meet either primary or secondary admission requirements to gain admission to the Electrical Engineering and Electrical Engineering (Electric and Power Systems) BSE degree programs.

**Primary Criteria:** Minimum transfer GPA of 3.00 for 24 or more transfer hours

**Secondary Criteria:** Minimum transfer GPA of 2.50 for 24 or more transfer hours and a minimum GPA of 2.75 in all critical tracking courses in terms 1 and 2 (MAT 265, 266, PHY 121 and PHY 122).

**Additional Lower Division Requirements**

CSC 100: Introduction to Computer Science	3 hrs	
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles	0-3 hrs	May be completed after transfer to ASU.
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
EEE 202: Circuits and Devices	5 hrs	
CSC 230: COMPUTER ORGANIZATION & ASSEMBLY LANGUAGE or EEE 230: COMPUTER ORGANIZATION and ASSEMBLY LANGUAGE	4 hrs	

Total Required Credits: 67

# Pathway Agreement

Print





Maricopa Community College District

Electrical Engineering (Electric Power and Energy Systems), BSE Pathway

2019-2020

ASU Major: [Electrical Engineering \(Electric Power and Energy Systems\), BSE | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs	 
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs	 
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	 
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	 
MAT 277: Modern Differential Equations	3 hrs	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	 
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory	4 hrs	 
PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4 hrs	 
PHY 131: University Physics II: Electricity and Magnetism	4 hrs	 
PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	4 hrs	
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs	
Social-Behavioral Science and AGEC Awareness Areas	3 hrs	

Students should complete PHY 241, EEE 120, EEE 202, EEE 230, CSC 100 before taking any other Additional Lower Division Requirements listed. Any other Additional Lower Division Requirements listed can be completed after transfer to ASU.

Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.

Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

## Pathway Notes

There are no notes for this pathway

## Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Electrical Engineering and Electrical Engineering (Electric and Power Systems) BSE degree programs.


**Note:** Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

**Special Requirements:** Transfer students must meet either primary or secondary admission requirements to gain admission to the Electrical Engineering and Electrical Engineering (Electric and Power Systems) BSE degree programs.

**Primary Criteria:** Minimum transfer GPA of 3.00 for 24 or more transfer hours

**Secondary Criteria:** Minimum transfer GPA of 2.50 for 24 or more transfer hours and a minimum GPA of 2.75 in all critical tracking courses in terms 1 and 2 (MAT 265, 266, PHY 121 and PHY 122).

**Additional Lower Division Requirements**

CSC 100: Introduction to Computer Science	3 hrs
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs
ECN 211: Macroeconomic Principles OR ECN 212: Microeconomic Principles	0-3 hrs 
EEE 202: Circuits and Devices	5 hrs
CSC 230: COMPUTER ORGANIZATION & ASSEMBLY LANGUAGE or EEE 230: COMPUTER ORGANIZATION and ASSEMBLY LANGUAGE	4 hrs

Total Required Credits: 67

# Pathway Agreement



[Print](#)



## Maricopa Community College District Elementary Education, BAE Pathway 2019-2020

ASU Major: [Elementary Education, BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review or  
Higher level course that meets MA requirement

3-6 hrs 

Students must meet one of the following MCCCDCD prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142/145/146, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

CIS 105: Survey of Computer Information Systems or  
BPC 110: Computer Usage & Applications   3 hrs

#### Humanities, Arts, and Design [HU]

ARH 100: Introduction to Art OR

3 hrs  

Recommend selecting a course that also fulfills [G] if not met in AAEE Content Area Electives

ARH 101: Prehistoric through Gothic Art OR

ARH 102: Renaissance Through Contemporary Art OR

DAH 100: Introduction to Dance OR

DAH 201: World Dance Studies OR

DAH 250: Dance in Popular Culture OR

MHL 140: Survey of Music History OR


MHL 145: American Jazz and Popular Music OR

MHL 146: Survey of Broadway Musicals OR

MHL 153: Rock Music and Culture OR

THE 111: Introduction to Theatre OR

THE 220: Modern Drama

EDU 291: Children's Literature or  
ENH 291: Children's Literature  3 hrs

#### Social-Behavioral Science [SB]

### Pathway Notes








2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDCD Associate of Arts Elementary Education degree (AAEE) and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education or Elementary Education (Bilingual Education/English as a Second Language) or Special Education/Elementary Education B.A.E. degree program and the teacher preparation program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.

Since ASU BAE Elementary Education degree does not include an upper division Global Awareness course, students on this pathway need to complete both Historical [H] and Global [G] Awareness as part of the AAEE and MAPP.

ECH 176: Child Development or CFS 176: Child Development or CFS 205: Human Development	3 hrs 	
HIS 103: United States History to 1865 or POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies	3 hrs 	HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.
Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Complete a Life Sciences course (choose from BIO prefix). One of the two natural science courses selected must be SQ.
Natural Science [SQ, SG]	4 hrs 	Complete a Physical or Earth/Space Science Course (choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY)
General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0 hrs 	3 hours [C] met by EDU 222 or EDU 230.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016).
MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	Met by COM 225 for Literacy and Critical Inquiry.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
Additional Lower Division Requirements EDU 221: Introduction to Education	3 hrs	EDU 221 is an acceptable MAPP course substitution for USL 216.
EDU 222: Intro to EXCEPTIONAL LEARNER	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	EDU 230 is an acceptable MAPP course substitution for TEL 203.
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs	
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs	
Select any EDU course(s) (except EDU 221, 222, 230 and 250) for 3 credits.	3 hrs	
Select 5 credits from AAEE Content Area Elective options	5 hrs	Recommend selecting a course with [G] if not already met by another course.  POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB]

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District



### Elementary Education (Bilingual Education and English as a Second Language), BAE Pathway



2019-2020

ASU Major: [Elementary Education \(Bilingual Education and English as a Second Language\), BAE | Mary Lou Fulton Teachers College](#)


#### Pathway Requirements

##### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs



##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review or  
Higher level course that meets MA requirement

3-6 hrs



Students must meet one of the following MCCCDC prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142/145/146, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

CIS 105: Survey of Computer Information Systems or  
BPC 110: Computer Usage & Applications   3 hrs

##### Humanities, Arts, and Design [HU]

ARH 100: Introduction to Art OR



3 hrs Recommend selecting a course that also fulfills [G] if not met in AAEE Content Area Electives

ARH 101: Prehistoric through Gothic Art OR

ARH 102: Renaissance Through Contemporary Art OR

DAH 100: Introduction to Dance OR

DAH 201: World Dance Studies OR

DAH 250: Dance in Popular Culture OR

MHL 140: Survey of Music History OR


MHL 145: American Jazz and Popular Music OR

MHL 146: Survey of Broadway Musicals OR

MHL 153: Rock Music and Culture OR

THE 111: Introduction to Theatre OR

THE 220: Modern Drama

EDU 291: Children's Literature or  
ENH 291: Children's Literature  3 hrs

##### Social-Behavioral Science [SB]

#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.








#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate of Arts Elementary Education degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education or Elementary Education (Bilingual Education/English as a Second Language) or Special Education/Elementary Education B.A.E. degree program and the teacher preparation program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements.

Since ASU BAE Elementary Education (Bilingual Education and English as a Second Language) degree does not include an upper division Global Awareness course, students on this pathway need to complete both Historical [H] and Global [G] Awareness as part of the AAEE and MAPP.



ECH 176: Child Development or CFS 176: Child Development or CFS 205: Human Development	3 hrs 	
HIS 103: United States History to 1865 or POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies	3 hrs 	HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.
<b>Natural Science [SQ, SG]</b>		
Natural Science	4 hrs 	Complete a Life Sciences course (choose from BIO prefix). One of the two natural science courses selected must be SQ.
Natural Science	4 hrs 	Complete a Physical or Earth/Space Science Course (choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY)
<b>General Education Awareness Areas [C, H, G]</b>		
Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by EDU 222 or EDU 230.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016).
<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	Met by COM 225 for Literacy and Critical Inquiry.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
EDU 221: Introduction to Education	3 hrs	EDU 221 is an acceptable MAPP course substitution for USL 216.
EDU 222: Intro to EXCEPTIONAL LEARNER	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	EDU 230 is an acceptable MAPP course substitution for TEL 203.
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs	
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs	
Select any EDU course(s) (except EDU 221, 222, 230 and 250) for 3 credits.	3 hrs	
Select 5 credits from AAEE Content Area Elective options	5 hrs	Recommend selecting a course with [G] if not already met by another course.  POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB]

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District

### Elementary Education (Science, Technology, Engineering and Mathematics), BAE Pathway

2019-2020

ASU Major: [Elementary Education \(Science, Technology, Engineering and Mathematics\), BAE | Mary Lou Fulton Teachers College](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review or  
Higher level course that meets MA requirement



Students must meet one of the following MCCCDC prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142/145/146, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

CIS 105: Survey of Computer Information Systems or  
BPC 110: Computer Usage & Applications



#### Humanities, Arts, and Design [HU]

ARH 100: Introduction to Art OR



Recommend selecting a course that also fulfills [G] if not met in AAEE Content Area Electives

ARH 101: Prehistoric through Gothic Art OR

ARH 102: Renaissance Through Contemporary Art OR

DAH 100: Introduction to Dance OR

DAH 201: World Dance Studies OR

DAH 250: Dance in Popular Culture OR

MHL 140: Survey of Music History OR

MHL 145: American Jazz and Popular Music OR

MHL 146: Survey of Broadway Musicals OR

MHL 153: Rock Music and Culture OR

THE 111: Introduction to Theatre OR

THE 220: Modern Drama

EDU 291: Children's Literature or  
ENH 291: Children's Literature



#### Social-Behavioral Science [SB]

### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



### Special Requirements



Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate of Arts Elementary Education degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education (Science, Technology, Engineering and Mathematics) B.A.E. degree program and the teacher preparation program.


While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.

Since ASU BAE Elementary Education (Science, Technology, Engineering and Mathematics) degree does not include an upper division Global Awareness course, students on this pathway need to complete both Historical [H] and Global [G] Awareness as part of the AAEE and MAPP.

POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies or HIS 103: United States History to 1865	3 hrs 	HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement." 3. Change Global/Historical note to "Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016).
ECH 176: Child Development or CFS 176: Child Development or CFS 205: Human Development	3 hrs 	

Natural Science [SQ, SG] Life Sciences Course	4 hrs 	One of the two natural science courses selected must be SQ. Choose from BIO prefix
Physical or Earth/Space Science Course	4 hrs 	Choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY.

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0 hrs 	3 hours [C] met by EDU 222 or EDU 230.
Historical or Global Awareness [H] or [G]	0 hrs 	3 hours [H] met by HIS 103 or GCU 113 or POS 113.

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	Met by COM 225 for Literacy and Critical Inquiry.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements EDU 221: Introduction to Education	3 hrs	EDU 221 is an acceptable MAPP course substitution for USL 216.
EDU 222: Introduction to the Exceptional Learner	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	EDU 230 is an acceptable MAPP course substitution for TEL 203.
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs	
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs	
EDU Elective	3 hrs	Select any EDU course (Except EDU 221, EDU 222, EDU 230 and EDU 250)
Select 8-9 credits from AAEE Content Area Elective options that also meet Math or Science Track course requirements.	8-9 hrs	Please select a math or science track. Math track students should take any math classes that have not already been applied higher than MAT 140/141/142/145/146 (except MAT 256 and 257). Science track students should take any SQ/SG courses that have not already been applied and are transferable to ASU as per aztransfer.com course equivalency guide.  Recommend selecting a course with [G] if not already met by another course.  POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB]

Total Required Credits: 63

# Pathway Agreement

Print

**Maricopa Community College District**  
**Engineering, BSE Pathway**  
**2019-2020**

ASU Major: [Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements

### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL



### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I

4-5 hrs



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Recommend that HU course also includes [H].

Humanities, Arts, and Design [HU]

3 hrs

### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs

Recommend that SB course also includes [C].

Social-Behavioral Science [SB]

3 hrs



### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory OR



Natural Sciences must be met by choosing either the CHM or PHY series.

CHM 150AA: General Chemistry I OR

CHM 151AA: General Chemistry I OR

CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory OR

PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

PHY 115: University Physics I

CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II Laboratory OR



Natural Sciences must be met by choosing either the CHM or PHY series.

PHY 131: University Physics II: Electricity and Magnetism OR

PHY 116: University Physics II

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements



Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering BSE; Engineering (Automotive Systems); Engineering (Electrical Systems); Engineering (Robotics); Engineering (Mechanical Engineering Systems) degree program within the Polytechnic School in the Ira A Fulton Schools of Engineering.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:


<https://transfer.asu.edu/credit>.


Subject Options

MAT 230: Calculus with Analytic Geometry II 4-5 hrs  
 or  
 MAT 231: Calculus with Analytic Geometry II  

MAT 240: Calculus with Analytic Geometry III 4-5 hrs  
 or  
 MAT 241: Calculus with Analytic Geometry III  

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C] 0-3 hrs 

Historical or Global Awareness [H] or [G] 0-3 hrs 

MCCCD Additional Requirements  
 COM 100: Introduction to Human Communication OR 0-3 hrs   
 COM 110: Interpersonal Communication OR  
 COM 225: Public Speaking OR  
 COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements  
 CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 201. Course must be different from course taken in place of EGR 202.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory

CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 202. Course must be different from course taken in place of EGR 201.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory


CIS 162AD: C#: Level I or 0-4 hrs  
 CSC 100: Introduction to Computer Science (C++) or  
 CSC 100AA: Introduction to Computer Science (C++) or  
 CSC 100AB: Intro to COMPUTER SCIENCE (C++) or  
 CSC 110: Introduction to Computer Science (Java) or  
 CSC 110AA: Introduction to Computer Science (Java) or  
 CSC 110AB: Intro to Computer Science (JAVA)


CSC 120: Digital Design Fundamentals or 4 hrs  
 EEE 120: Digital Design Fundamentals

ECE 102: Engineering Analysis Tools or 4 hrs  
 ECE 102AA: Engineering Analysis Tools and Techniques AND

ECE 103: Engineering Problem Solving and Design or  
 ECE 103AB: Engineering Problem Solving and Design or  
 ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

EEE 202: Circuits and Devices 5 hrs EEE 202 is an approved substitute for EGR 216.

MAT 276: Modern Differential Equations or 3-4 hrs   
 MAT 277: Modern Differential Equations

<p>CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>CHM 150AA: General Chemistry I OR</p> <p>CHM 151AA: General Chemistry I OR</p> <p>CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR</p> <p>PHY 115: University Physics I</p>	<p>4-5 hrs</p> 	<p>If Natural Science requirements are met with CHM, PHY must be selected to meet this requirement. If Natural Science requirements are met with PHY, CHM must be selected to meet this requirement.</p>
<p>Lower division secondary focus area</p>	<p>0-6 hrs</p>	<p>The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.</p>

Total Required Credits: 64

# Pathway Agreement

Print

## Maricopa Community College District Engineering (Automotive Systems), BSE Pathway 2019-2020

ASU Major: [Engineering \(Automotive Systems\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



0-3 hrs

Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Recommend that HU course also includes [H].

Humanities, Arts, and Design [HU]

3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

Recommend that SB course also includes [C].

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR



4-5 hrs

Natural Sciences must be met by choosing either the CHM or PHY series.

CHM 150AA: General Chemistry I OR

CHM 151AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR

PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

PHY 115: University Physics I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II Laboratory OR



4-5 hrs

Natural Sciences must be met by choosing either the CHM or PHY series.

PHY 131: University Physics II: Electricity and Magnetism OR

PHY 116: University Physics II

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



### Special Requirements



Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering BSE; Engineering (Automotive Systems); Engineering (Electrical Systems); Engineering (Robotics); Engineering (Mechanical Engineering Systems) degree program within the Polytechnic School in the Ira A Fulton Schools of Engineering.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:


<https://transfer.asu.edu/credit>.


Subject Options

MAT 230: Calculus with Analytic Geometry II 4-5 hrs  
 or  
 MAT 231: Calculus with Analytic Geometry II  

MAT 240: Calculus with Analytic Geometry III 4-5 hrs  
 or  
 MAT 241: Calculus with Analytic Geometry III  

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C] 0-3 hrs 

Historical or Global Awareness [H] or [G] 0-3 hrs 

MCCCD Additional Requirements  
 COM 100: Introduction to Human Communication OR 0-3 hrs   
 COM 110: Interpersonal Communication OR  
 COM 225: Public Speaking OR  
 COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements  
 CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 201. Course must be different from course taken in place of EGR 202.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory

CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 202. Course must be different from course taken in place of EGR 201.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory


CIS 162AD: C#: Level I or 0-4 hrs  
 CSC 100: Introduction to Computer Science (C++) or  
 CSC 100AA: Introduction to Computer Science (C++) or  
 CSC 100AB: Intro to COMPUTER SCIENCE (C++) or  
 CSC 110: Introduction to Computer Science (Java) or  
 CSC 110AA: Introduction to Computer Science (Java) or  
 CSC 110AB: Intro to Computer Science (JAVA)

CSC 120: Digital Design Fundamentals or 4 hrs  
 EEE 120: Digital Design Fundamentals


ECE 102: Engineering Analysis Tools or 4 hrs  
 ECE 102AA: Engineering Analysis Tools and Techniques AND

ECE 103: Engineering Problem Solving and Design or  
 ECE 103AB: Engineering Problem Solving and Design or  
 ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

EEE 202: Circuits and Devices 5 hrs EEE 202 is an approved substitute for EGR 216.

MAT 276: Modern Differential Equations or 3-4 hrs  
 MAT 277: Modern Differential Equations 



<p>CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>CHM 150AA: General Chemistry I OR</p> <p>CHM 151AA: General Chemistry I OR</p> <p>CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR</p> <p>PHY 115: University Physics I</p>	<p>4-5 hrs</p> 	<p>If Natural Science requirements are met with CHM, PHY must be selected to meet this requirement. If Natural Science requirements are met with PHY, CHM must be selected to meet this requirement.</p>
<p>Lower division secondary focus area</p>	<p>0-6 hrs</p>	<p>The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.</p>

Total Required Credits: 64





# Pathway Agreement


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## Maricopa Community College District Engineering (Electrical Systems), BSE Pathway 2019-2020



ASU Major: [Engineering \(Electrical Systems\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 	Recommend that HU course also includes [H].
Humanities, Arts, and Design [HU]	3 hrs 	

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 	Recommend that SB course also includes [C].
Social-Behavioral Science [SB]	3 hrs 	

<b>Natural Science [SQ, SG]</b> CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR  PHY 115: University Physics I	4-5 hrs  	Natural Sciences must be met by choosing either the CHM or PHY series.
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  PHY 131: University Physics II: Electricity and Magnetism OR  PHY 116: University Physics II	4-5 hrs  	Natural Sciences must be met by choosing either the CHM or PHY series.

### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



### Special Requirements


Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering BSE; Engineering (Automotive Systems); Engineering (Electrical Systems); Engineering (Robotics); Engineering (Mechanical Engineering Systems) degree program within the Polytechnic School in the Ira A Fulton Schools of Engineering.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credit>.


Subject Options

MAT 230: Calculus with Analytic Geometry II 4-5 hrs  
 or  
 MAT 231: Calculus with Analytic Geometry II  

MAT 240: Calculus with Analytic Geometry III 4-5 hrs  
 or  
 MAT 241: Calculus with Analytic Geometry III  

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C] 0-3 hrs 

Historical or Global Awareness [H] or [G] 0-3 hrs 

MCCCD Additional Requirements  
 COM 100: Introduction to Human Communication OR 0-3 hrs   
 COM 110: Interpersonal Communication OR  
 COM 225: Public Speaking OR  
 COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements  
 CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 201. Course must be different from course taken in place of EGR 202.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory

CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 202. Course must be different from course taken in place of EGR 201.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory


CIS 162AD: C#: Level I or 0-4 hrs  
 CSC 100: Introduction to Computer Science (C++) or  
 CSC 100AA: Introduction to Computer Science (C++) or  
 CSC 100AB: Intro to COMPUTER SCIENCE (C++) or  
 CSC 110: Introduction to Computer Science (Java) or  
 CSC 110AA: Introduction to Computer Science (Java) or  
 CSC 110AB: Intro to Computer Science (JAVA)


CSC 120: Digital Design Fundamentals or 4 hrs  
 EEE 120: Digital Design Fundamentals

ECE 102: Engineering Analysis Tools or 4 hrs  
 ECE 102AA: Engineering Analysis Tools and Techniques AND

ECE 103: Engineering Problem Solving and Design or  
 ECE 103AB: Engineering Problem Solving and Design or  
 ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

EEE 202: Circuits and Devices 5 hrs EEE 202 is an approved substitute for EGR 216.

MAT 276: Modern Differential Equations or 3-4 hrs  
 MAT 277: Modern Differential Equations 

<p>CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>CHM 150AA: General Chemistry I OR</p> <p>CHM 151AA: General Chemistry I OR</p> <p>CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR</p> <p>PHY 115: University Physics I</p>	<p>4-5 hrs</p> 	<p>If Natural Science requirements are met with CHM, PHY must be selected to meet this requirement. If Natural Science requirements are met with PHY, CHM must be selected to meet this requirement.</p>
<p>Lower division secondary focus area</p>	<p>0-6 hrs</p>	<p>The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.</p>

Total Required Credits: 64

# Pathway Agreement

Print

## Maricopa Community College District Engineering (Mechanical Engineering Systems), BSE Pathway 2019-2020

ASU Major: [Engineering \(Mechanical Engineering Systems\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



0-3 hrs

Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Recommend that HU course also includes [H].

Humanities, Arts, and Design [HU]

3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

Recommend that SB course also includes [C].

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR



4-5 hrs

Natural Sciences must be met by choosing either the CHM or PHY series.

CHM 150AA: General Chemistry I OR

CHM 151AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR

PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

PHY 115: University Physics I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II Laboratory OR



4-5 hrs

Natural Sciences must be met by choosing either the CHM or PHY series.

PHY 131: University Physics II: Electricity and Magnetism OR

PHY 116: University Physics II

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



### Special Requirements



Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering BSE; Engineering (Automotive Systems); Engineering (Electrical Systems); Engineering (Robotics); Engineering (Mechanical Engineering Systems) degree program within the Polytechnic School in the Ira A Fulton Schools of Engineering.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:

<https://transfer.asu.edu/credit>.


Subject Options

MAT 230: Calculus with Analytic Geometry II 4-5 hrs  
 or  
 MAT 231: Calculus with Analytic Geometry II  

MAT 240: Calculus with Analytic Geometry III 4-5 hrs  
 or  
 MAT 241: Calculus with Analytic Geometry III  

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C] 0-3 hrs 

Historical or Global Awareness [H] or [G] 0-3 hrs 

MCCCD Additional Requirements  
 COM 100: Introduction to Human Communication OR 0-3 hrs   
 COM 110: Interpersonal Communication OR  
 COM 225: Public Speaking OR  
 COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements  
 CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 201. Course must be different from course taken in place of EGR 202.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory

CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 202. Course must be different from course taken in place of EGR 201.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory


CIS 162AD: C#: Level I or 0-4 hrs  
 CSC 100: Introduction to Computer Science (C++) or  
 CSC 100AA: Introduction to Computer Science (C++) or  
 CSC 100AB: Intro to COMPUTER SCIENCE (C++) or  
 CSC 110: Introduction to Computer Science (Java) or  
 CSC 110AA: Introduction to Computer Science (Java) or  
 CSC 110AB: Intro to Computer Science (JAVA)


CSC 120: Digital Design Fundamentals or 4 hrs  
 EEE 120: Digital Design Fundamentals

ECE 102: Engineering Analysis Tools or 4 hrs  
 ECE 102AA: Engineering Analysis Tools and Techniques AND

ECE 103: Engineering Problem Solving and Design or  
 ECE 103AB: Engineering Problem Solving and Design or  
 ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

EEE 202: Circuits and Devices 5 hrs EEE 202 is an approved substitute for EGR 216.

MAT 276: Modern Differential Equations or 3-4 hrs  
 MAT 277: Modern Differential Equations 

<p>CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>CHM 150AA: General Chemistry I OR</p> <p>CHM 151AA: General Chemistry I OR</p> <p>CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR</p> <p>PHY 115: University Physics I</p>	<p>4-5 hrs</p> 	<p>If Natural Science requirements are met with CHM, PHY must be selected to meet this requirement. If Natural Science requirements are met with PHY, CHM must be selected to meet this requirement.</p>
<p>Lower division secondary focus area</p>	<p>0-6 hrs</p>	<p>The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.</p>

Total Required Credits: 64

# Pathway Agreement

Print

## Maricopa Community College District Engineering (Robotics), BSE Pathway 2019-2020

ASU Major: [Engineering \(Robotics\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



0-3 hrs

Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Recommend that HU course also includes [H].

Humanities, Arts, and Design [HU]

3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

Recommend that SB course also includes [C].

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR



4-5 hrs

Natural Sciences must be met by choosing either the CHM or PHY series.

CHM 150AA: General Chemistry I OR

CHM 151AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR

PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

PHY 115: University Physics I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II Laboratory OR



4-5 hrs

Natural Sciences must be met by choosing either the CHM or PHY series.

PHY 131: University Physics II: Electricity and Magnetism OR

PHY 116: University Physics II

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements



Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering BSE; Engineering (Automotive Systems); Engineering (Electrical Systems); Engineering (Robotics); Engineering (Mechanical Engineering Systems) degree program within the Polytechnic School in the Ira A Fulton Schools of Engineering.



ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:


<https://transfer.asu.edu/credit>.


Subject Options




MAT 230: Calculus with Analytic Geometry II 4-5 hrs  
 or  
 MAT 231: Calculus with Analytic Geometry II  

MAT 240: Calculus with Analytic Geometry III 4-5 hrs  
 or  
 MAT 241: Calculus with Analytic Geometry III  

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C] 0-3 hrs 

Historical or Global Awareness [H] or [G] 0-3 hrs 

MCCCD Additional Requirements  
 COM 100: Introduction to Human Communication OR 0-3 hrs   
 COM 110: Interpersonal Communication OR  
 COM 225: Public Speaking OR  
 COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements  
 CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 201. Course must be different from course taken in place of EGR 202.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory

CAD 201: Three-Dimensional (3D) Modeling and Advanced CAD Techniques or 3 hrs EGR 240 is an approved substitute for EGR 202. Course must be different from course taken in place of EGR 201.  
 CAD 270: SolidWorks Application and Analysis Modules or  
 MFG 254: Solids Modeling-Solidworks OR

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory


CIS 162AD: C#: Level I or 0-4 hrs  
 CSC 100: Introduction to Computer Science (C++) or  
 CSC 100AA: Introduction to Computer Science (C++) or  
 CSC 100AB: Intro to COMPUTER SCIENCE (C++) or  
 CSC 110: Introduction to Computer Science (Java) or  
 CSC 110AA: Introduction to Computer Science (Java) or  
 CSC 110AB: Intro to Computer Science (JAVA)


CSC 120: Digital Design Fundamentals or 4 hrs  
 EEE 120: Digital Design Fundamentals

ECE 102: Engineering Analysis Tools or 4 hrs  
 ECE 102AA: Engineering Analysis Tools and Techniques AND

ECE 103: Engineering Problem Solving and Design or  
 ECE 103AB: Engineering Problem Solving and Design or  
 ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

EEE 202: Circuits and Devices 5 hrs EEE 202 is an approved substitute for EGR 216.

MAT 276: Modern Differential Equations or 3-4 hrs  
 MAT 277: Modern Differential Equations 

<p>CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>CHM 150AA: General Chemistry I OR</p> <p>CHM 151AA: General Chemistry I OR</p> <p>CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR</p> <p>PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR</p> <p>PHY 115: University Physics I</p>	<p>4-5 hrs</p> 	<p>If Natural Science requirements are met with CHM, PHY must be selected to meet this requirement. If Natural Science requirements are met with PHY, CHM must be selected to meet this requirement.</p>
<p>Lower division secondary focus area</p>	<p>0-6 hrs</p>	<p>The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.</p>

Total Required Credits: 64

# Pathway Agreement

Print

## Maricopa Community College District Engineering Management, BSE Pathway 2019-2020

ASU Major: [Engineering Management, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies (L and SB) or (L and HU), or (L and COM), or (L and CRE101) requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

SSH 111: Sustainable Cities



3 hrs

Use to satisfy Humanities and Fine Arts [HU] and Global Engineering/Sustainability/Entrepreneurship Course Requirement. Also satisfies Global Awareness [G].

Humanities, Arts, and Design

3 hrs



#### Social-Behavioral Science [SB]

COM 263: ELEMENTS OF INTERCULTURAL COMM



3 hrs

COM 263 satisfies Social-Behavioral Science [SB] and Cultural Diversity in the U.S. [C] requirements simultaneously.

PSY 101: Introduction to Psychology



3 hrs

#### Natural Science [SQ, SG]

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory



4 hrs

Course can be used to satisfy basic science requirement for major.

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory



4 hrs

#### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III



4-5 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering Management, BSE degree program.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 2.75 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0 hrs	Met by COM 263.
Historical or Global Awareness [H] or [G]	0 hrs	Met by SSH 111.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Engineering Core**

ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools an AND	4 hrs	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving a or ECE 103AB: Engineering Problem Solving a or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		

CSC 110: Introduction to Computer Scie or CSC 110AA: Introduction to Computer Scie or CSC 110AB: Intro to Computer Science (JA)	3-4 hrs	
CSC 205: Object Oriented Programming a or CSC 205AA: Object Oriented Programming a or CSC 205AB: Object Oriented Programming a	3-4 hrs	

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs	
ECN 212: Microeconomic Principles	3 hrs	
MAT 225: Elementary Linear Algebra	3 hrs	
PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4 hrs	May also take PHY 115 to satisfy this requirement

Total Required Credits: 64

# Pathway Agreement



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**Maricopa Community College District**  
**English, BA Pathway**  
**2019-2020**

ASU Major: [English, BA | New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


ENG 200: READING and WRITING ABOUT LITERATURE  3 hrs Satisfies ASU English Core Requirement.


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

ENH 221: SURVEY OF ENGLISH LIT BEFORE 1800  3 hrs Partially satisfies the ASU ENG distribution requirement.


ENH 222: SURVEY OF ENGLISH LIT AFTER 1800  3 hrs Partially satisfies the ASU ENG distribution requirement.

### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs


Social-Behavioral Science  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs [H] satisfied by ENH 222

MCCCD Additional Requirements




## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, English (Literature) degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the English,BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ENG 213: Introduction to the Study of Language	3 hrs 	Partially satisfies the ASU ENG distribution requirement.
ENH 241: American Literature Before 1860	3 hrs 	Partially satisfies the ASU ENG distribution requirement.
ENH 242: American Literature After 1860	3 hrs	Partially satisfies the ASU ENG distribution requirement.
English Elective	9 hrs	Select up to three ENG/ENH courses that transfer to ASU as ENG departmental elective.
Lower Division Elective	0-7 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**English, BA Pathway**  
**2019-2020**

ASU Major: [English, BA](#) | [College of Integrative Sciences and Arts](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


ENG 200: READING & WRITING ABOUT LITER  3 hrs  
 ENG 200 may be used to meet 3 credit hours of Literacy or Humanities & Fine Arts. If applied to Humanities and Fine Arts, select another course for Literacy and Critical Inquiry.


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications [CS]  3 hrs


### Humanities, Arts, and Design [HU]

ENH 201: World Literature Through Renaissance or  
 ENH 202: World Literature After the Renaissance or  
 ENH 221: SURVEY OF ENGLISH LIT BEFORE 1800 or  
 ENH 241: American Literature Before 1860  3 hrs  
 Literature and Culture Before 1800


ENH 204: Intro to CONTEMPORARY LITERAT or  
 ENH 222: SURVEY OF ENGLISH LITERATURE BEFORE 1800 or  
 ENH 242: American Literature After 186  3 hrs  
 2\*\* ENG Literature Course


### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs


Social-Behavioral Science  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs  
 Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, English (Literature) degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the English, BA degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human  
Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

English Elective

3 hrs

Select one course that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) with an ENG or ENH prefix. (can concurrently satisfy AGEC requirements)

Rhetoric, Writing and Linguistics Elective

3 hrs

Select one of the following courses: CRW 160, CRW 170, ENG 215, ENG 216, ENG 217, ENG 218, or any course that is equivalent to ASU's ENG 210

Lower Division Elective

4-19 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**



# Pathway Agreement



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## Maricopa Community College District English (Creative Writing), BA Pathway 2019-2020

ASU Major: [English \(Creative Writing\), BA](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 200: READING and WRITING ABOUT  
LITERATURE  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

American Literature Course	 3 hrs	Humanities and Fine Arts - Students should choose a course from the American Literature Courses list below that also carries the HU general studies designation.
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American Literature Course	 3 hrs	Humanities and Fine Arts - Students should choose a course from the American Literature Courses list that also carries the HU general studies designation.
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#### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs


Social-Behavioral Science  3 hrs


#### Natural Science [SQ, SG]

Natural Science	 4 hrs	Students must choose at least one natural science course that satisfies the SQ general studies designation.
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Natural Science	 4 hrs	Students must choose at least one natural science course that satisfies the SQ general studies designation.
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#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Creative Writing) B.A. degree program.

Special Requirements: 3.0 GPA in English courses beyond First Year Composition (ENG, ENH, CRW MAPP requirements). 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

After transfer to ASU: Before continuing into the 400-level courses required to complete the creative writing concentration, students must successfully pass a portfolio review. Students who do not successfully pass this milestone may complete the English major by concentrating in Literature or Linguistics.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

CRW 160: Introduction to Writing Poetry	3 hrs
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CRW 170: Introduction to Writing Fiction	3 hrs
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ENG Elective or ENH Elective or CRW Elective	3 hrs	Select one course (3 hours) that transfers to ASU with an ENG prefix, excluding ENG 101, ENG 102, ENG 107 and ENG 108.
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Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Foreign Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
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Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

**Track/Groups**

American Literature Course

American Literature Course	
ENH 190: Introduction to US Ethnic Literature or ENH 241: AMERICAN LITERATURE BEFORE 1860 or ENH 242: American Literature After 1860 or ENH 255: CONTEMPORARY U.S. LIT and FILM or ENH 260: Literature of the Southwest or ENH 284: 19th Century Women Writers or ENH 285: Contemporary Women Writers	ENH 259 fulfills (HU and C), ENH 206 fulfills (HU), and ENH 275 fulfills (HU)

# Pathway Agreement



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## Maricopa Community College District English (Linguistics), BA Pathway 2019-2020

ASU Major: [English \(Linguistics\), BA | College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 200: READING and WRITING ABOUT  
LITERATURE  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

ENG 213: Introduction to the Study of Language or  
SLC 201: Introduction to Linguistics  3 hrs ENG 213 can be applied as HU or SB, but not both.


ENH 221: SURVEY OF ENGLISH  
LITERATURE BEFORE 1800 or  
ENH 222: SURVEY OF ENGLISH  
LITERATURE BEFORE 1800 or  
ENH 241: American Literature Before 1860  
or  
ENH 242: American Literature After 1860  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs ENG 213 can be applied as HU or SB, but not both.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs At least 4 of the 8 credits required for Natural Science must be Science Quantitative [SQ].

Natural Science  4 hrs



General Education Awareness Areas [C, H, G]

### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Linguistics) B.A. degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**English (Literature), BA Pathway**  
**2019-2020**

ASU Major: [English \(Literature\), BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


ENG 200: READING and WRITING ABOUT  
 LITERATURE  3 hrs


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

ENH 200 Level HU  3 hrs Lower Division ENH 200 level HU Literature course - Select a course from the Course Equivalency Guide that transfers to ASU as a 200 level ENG course and satisfies the AGEC Humanities and Fine Arts (HU) criteria. Determination is made based on the semester and year the course is taken.


ENH 200 Level HU  3 hrs Lower Division ENH 200 level HU Literature course - Select a course from the Course Equivalency Guide that transfers to ASU as a 200 level ENG course and satisfies the AGEC Humanities and Fine Arts (HU) criteria. Determination is made based on the semester and year the course is taken.


### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs



General Education Awareness Areas [C, H, G]


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, English (Literature) degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the English (Literature), BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b>		
Related English Requirement	6 hrs	In addition to the courses used to fulfill the AGECE, complete one course from each of the concentration areas. Courses cannot be from the same concentration area.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

## Track/Groups

### Related English Requirement

Related English Requirement	
ENH 204: Intro to CONTEMPORARY LITERATURE or	Related English Requirement
ENH 206: NATURE and ENVIRONMENTAL LITERATURE or	
ENH 222: SURVEY OF ENGLISH LIT AFTER 1800 or	
ENH 235: Survey of Gothic Literature or	
ENH 242: American Literature After 1860 or	
ENH 254: Literature and Film or	
ENH 255: CONTEMPORARY U.S. LIT and FILM or	
ENH 259: American Indian Literature or	
ENH 260: Literature of the Southwest or	
ENH 275: Modern Fiction or	
ENH 280: Topics in American Literature or	
ENH 284: 19th Century Women Writers or	
ENH 285: Contemporary Women Writers	
ENH 201: World Literature Through Renaissance or	
ENH 202: World Literature After the Renaissance or	
ENH 221: SURVEY OF ENGLISH LIT BEFORE 1800 or	
ENH 230: Introduction To Shakespeare or	
ENH 231: Intro to SHAKESPEARE:THE EARLY PLAYS or	
ENH 232: Intro to SHAKESPEARE: the LATE PLAYS or	
ENH 241: AMERICAN LITERATURE BEFORE 1860 or	
ENH 251: Mythology or	
ENH 252: Biblical Backgrounds of Literature	

# Pathway Agreement



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## Maricopa Community College District English (Secondary Education), BA Pathway 2019-2020

ASU Major: [English \(Secondary Education\), BA | College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 200: READING and WRITING ABOUT  
LITERATURE  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


CSC 180: Computer Literacy or  
CSC 180aa: Computer Literacy or  
CSC 180ab: Computer Literacy or  
CIS 105: Survey of Computer Information  
Systems or  
BPC 110: Computer Usage & Applications   3-4 hrs


#### Humanities, Arts, and Design [HU]

ENH 221: SURVEY OF ENGLISH LIT  
BEFORE 1800  3 hrs


ENH 222: SURVEY OF ENGLISH LIT  
AFTER 1800  3 hrs


#### Social-Behavioral Science [SB]

EDU 222: Introduction to the Exceptional  
Learner  3 hrs

SLC 201: Introduction to Linguistics or  
ENG 213: Introduction to the Study of  
Language  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Secondary Education) BA degree program.

Special Requirements: 2.5 cumulative transfer GPA. All courses must be completed with a grade of "C" or better.

Fingerprint clearance and a background check is required in the second year of the program. We recommend you speak to a College of Liberal Arts Advisor to discuss these requirements further: englishadvising@asu.edu

Cultural Diversity in the U.S. [C]	0 hrs	[C] met by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs	[H] met by ENH 222.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ENG 215: Strategies of Academic Writing or ENG 216: PERSUASIVE WRITING ON PUBLIC ISSUES or ENG 217: PERSONAL and EXPLORATORY WRITING	3 hrs	
ENH 241: AMERICAN LITERATURE BEFORE 1860	3 hrs	
ENH 242: American Literature After 1860	3 hrs	
HIS 103: United States History to 1865 OR POS 110: American National Government OR GCU/POS 113 (GCU/POS 227 prior to 2016) OR POS 220: U.S. and Arizona Constitution or POS 222: U.S. Constitution	2-3 hrs	Meets the state teacher certification requirement for US Constitution. POS 113 (GCU/POS227 prior to 2016) or POS 220 also meets the state teacher certification for Arizona Constitution.
POS 221: Arizona Constitution	0-1 hrs	Meets the state teacher certification requirement for AZ Constitution if took HIS 103, POS 110, or POS 222.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	
Lower Division Elective	0-14 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).  Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU bachelor's degree requirements.

Total Required Credits: 60



# Pathway Agreement



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## Maricopa Community College District Environmental Design, BS Pathway 2019-2020

ASU Major: [Environmental Design, BS | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 150: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR   5-9 hrs

MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR


MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 187: Precalculus

#### Computer/Statistics/Quantitative Applications [CS]



 3 hrs Computer/Statistics/Quantitative: Students wishing to transfer into Architectural Studies or Landscape Architecture must complete ALA 235 at ASU; Students wishing to transfer into Interior Design must complete INT 121 at Arizona State University.


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Recommend select a course which satisfies [HU] and awareness area [C, H, or G] requirements simultaneously. INT 115 or INT 120 will fulfill requirement. \*\*Students wishing to transfer to Interior Design should take ARH 102.

Humanities, Arts, and Design [HU]  3 hrs

#### Social-Behavioral Science [SB]

ECN 212: Microeconomic Principles or  
PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs Recommend selecting a course which satisfies [SB] and awareness area [C, H, or G] requirements simultaneously. \*\*Students wishing to transfer to Industrial Design should take PSY 101 and ECN 212.

Natural Science [SQ, SG]



### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Environmental Design B.S.degree program.

The MAPP for the BS in Environmental Design is provided as a transfer pathway for students wishing to complete their BS in Environmental Design at Arizona State University. The BS in Environmental Design is a pathway for the 3+ graduate programs in Architecture, Industrial Design, Interior Architecture, Landscape Architecture and Visual Communication Design offered through The Design School. These programs are studio Master's Degree programs that students with a Bachelor's Degree in any discipline can apply for. The options for these programs can be seen on The Design School's graduate degrees page <https://design.asu.edu/degree-programs/graduate>. Students can apply for the 3+ programs with either a BA in Design Studies or a BS in Environmental Design.

PHY 101: Introduction to Physics or PHY 111: General Physics I or GPH 111: Introduction to Physical Geography and GPH 112: Introduction to Physical Geography Lab	4 hrs 	**Students wishing to transfer to Architectural Studies or Interior Design must complete PHY 101. Student wishing to transfer to Industrial Design must complete PHY 111. Students wishing to transfer to Landscape Architecture must complete GPH 111 and GPH 112.
Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend combining [C] requirement with [SB, HU, or L].
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend combining [H] or [G] requirement with [SB, HU, or L].

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements ARC 100: Intro to Environmental Design or INT 105: Introduction to Interior Design or INT 115: Historical Architecture and Furniture or INT 225: History of Decorative Arts or INT 235: Universal Design	3 hrs	Take one of the suggested courses to meet Design Culture and Literacy I requirements.
ARC 100: Intro to Environmental Design or CNS 101: Construction and Culture or INT 105: Introduction to Interior Design or INT 120: Modern Architecture and Furniture or INT 150: Color and Design or PHI 103: Introduction to Logic or PHI 105: Introduction to Ethics	3 hrs 	Take one of the suggested courses to meet Design Culture and Literacy II requirements.
ARC 120: Design Fundamentals I or ART 181: Graphic Design I or INT 140: Introduction to CAD for Interior Design or INT 145: Drawing and Rendering	3 hrs	Take one of the suggested courses to meet Design Fundamentals and Principles I
ARC 150: Architectural Desktop I or ARC 160: Site Planning or ART 182: Graphic Design II or INT 190: Space Planning or INT 205: Residential Design	3 hrs	Take one of the suggested courses to meet Design Fundamentals and Principles II
SUS 100: Introduction to Sustainability	3 hrs	
Lower Division Elective	0-8 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Environmental Science, BA Pathway 2019-2020

ASU Major: [Environmental Science, BA | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

#### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR



5-8 hrs

MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 187: Precalculus

GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government



3 hrs

#### Humanities, Arts, and Design [HU]

SSH 111: Sustainable Cities



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

ECN 212: Microeconomic Principles



3 hrs

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I



4-5 hrs

BIO 182: General Biology (Majors) II



4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Environmental Science, B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by SSH 111.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	4-5 hrs		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II OR  CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	4-5 hrs		
CHM 230: Fundamental Organic Chemistry or CHM 230LL: Fundamental Organic Chemistry Laboratory	4 hrs		
GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab or GLG 101IN: Introduction to Geology I - Physical	4 hrs		
GPH 210: Society and Environment	3 hrs		
MGT 246: PRINCIPLES OF PROJECT Management or TQM 240: Project Management In Quality Organizations	3 hrs		
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics	4-5 hrs		
ECN 211: Macroeconomic Principles OR  HON 201: Leadership Development: Historical and Contemporary Perspectives or MGT 229: Management and Leadership I OR  POS 110: American National Government OR  SUS 230: Practical Skills for Sustainability Problem Solving	0-3 hrs		Select one course to fulfill ASU's Social Science and Humanities Electives. The course may be used to fulfill any outstanding AGEC credits simultaneously.

Total Required Credits: 63

# Pathway Agreement



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**Maricopa Community College District**  
**Environmental Science, BS Pathway**  
**2019-2020**

ASU Major: [Environmental Science, BS | New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 150: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR   3-9 hrs

MAT 151: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR

MAT 152: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR

MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR


MAT 187: Precalculus OR

MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus


MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government or  
 GBS 221: Business Statistics   3 hrs


### Humanities, Arts, and Design [HU]

SSH 111: Sustainable Cities  3 hrs SSH 111 may be used to satisfy 3 credits of either the [HU] or [SB] AGEC requirement.

Humanities, Arts, and Design [HU]  3 hrs

### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]





## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Environmental Science, BS degree program.





ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4-5 hrs  
BIO 182: General Biology (Majors) II	4 hrs  

General Education Awareness Areas [C, H, G]	
Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements	
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	4-5 hrs 
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4 hrs 
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistr OR  CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I La	4 hrs 
GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab	4 hrs 
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics	4-5 hrs

Track Focus Elective Course	3-4 hrs	The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group. HON 201 and SUS 110 can be used to satisfy [SB] AGEC requirements simultaneously.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 64

### Track/Groups

Track Focus Elective Course

Track Focus Elective Course	
HON 201: Leadership Development: Historical and Contemporary Perspective or	Business/Leadership
MGT 229: Management and Leadership I OR	

MGT 246: PRINCIPLES OF PROJECT Management or TQM 240: Project Management In Quality Orgs OR	Track Focus Elective Course
SUS 230: Practical Skills for Sustainability Problem Solving	Track Focus Elective Course
SUS 110: Sustainable World	Ecosystem/Global Change
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry II Lab	Chemistry/Toxicology

# Pathway Agreement



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## Maricopa Community College District Environmental and Resource Management, BS Pathway 2019-2020

ASU Major: [Environmental and Resource Management, BS | Ira A. Fulton Schools of Engineering](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs


#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs



MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government or  
GBS 221: Business Statistics or  
PSY 230: Introduction to Statistics   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Selecting courses that also satisfy [H] is recommended.



Humanities, Arts, and Design [HU]  3 hrs Selecting courses that also satisfy [H] is recommended.

#### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]   3 hrs Selecting courses that also satisfy [C] is recommended.



#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory   4-5 hrs  
OR

CHM 150AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 151AA: General Chemistry I

CHM 152AA: General Chemistry II OR   4 hrs

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory

### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements


Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the Environmental and Resource Management, BS degree program within The Polytechnic School in the Ira A. Fulton Schools of Engineering.



**General Education Awareness Areas [C, H, G]**


Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical [H] or Global Awareness [G]	0-3 hrs	

**MCCCD Additional Requirements**


COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4-5 hrs	
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CHM 230: Fundamental Organic Chemistry	3 hrs	CHM 230 - Associated lab not required.
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PHY 111: General Physics I or PHY 111AA: General Physics I	4-5 hrs	
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Science, Math, Engineering or Management Electives	8-12 hrs	Select a course that transfers to ASU with any of the following prefixes: ABS, AGB, BIO, CEE, CHM, CIS, CSE, CST, ECN, EDT, EGR, ERM, FSE, GIS, GLG, GPH, HSE, IFT, MAT, MFG, OMT, PHY, PUP, SOS, TEM, or TMC.
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Lower Division Elective	3-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Exercise and Wellness, BS Pathway 2019-2020


ASU Major: [Exercise and Wellness, BS](#) | College of Health Solutions


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
MAT 150: College Algebra or  
MAT 151: College Algebra or  
MAT 152: College Algebra or  
MAT 155: College Algebra/Functions with  
Review or  
MAT 156: College Algebra/Functions with  
Review OR  
  
MAT 150: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR  
  
MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR  
  
MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR  
  
MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR  
  
MAT 156: College Algebra/Functions with  
Review or  
MAT 182: Plane Trigonometry OR  
  
MAT 187: Precalculus  
  
GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government or  
PSY 230: Introduction to Statistics   3-9 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Exercise and Wellness B.S. degree program.

Natural Science [SQ, SG]

BIO 160: Intro To Human Anatomy & Physiology



MCCCD's BIO 160 is an acceptable course substitution for ASU's BIO 160.

CHM 130: Fundamental Chemistry and  
CHM 130LL: Fundamental Chemistry  
Laboratory OR



CHM 130AA: Fundamental Chemistry with  
Lab OR

CHM 150: General Chemistry I OR

CHM 150AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 151AA: General Chemistry I

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs



MCCCD Additional Requirements

COM 100: Introduction to Human  
Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

EXS 101: Introduction to Exercise Science

3 hrs

EXS 214: Instructional CompetENCY:  
Flexibility and Mind- Body Exercises

2 hrs

EXS 216: Instructional Competency:  
Muscular Strength and Conditioning

2 hrs

EXS 218: Instructional Competency:  
Cardiorespiratory Exercises and Activities

2 hrs

Lower Division Elective

0-16 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. EXS 125: Introduction to Exercise Physiology should be taken at the recommendation of the community college.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Exploratory Health and Life Sciences, BNODEG Pathway**  
**2019-2020**


ASU Major: [Exploratory Health and Life Sciences, BNODEG | College of Integrative Sciences and Arts](#)


## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs	MAT 142: is the minimum math required for completion of the AGECE-A. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
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Humanities, Arts, and Design [HU]	 3 hrs
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.

Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of "C" or better.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CPD 102AB: Career Exploration 0-2 hrs

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Exploratory Humanities, Fine Arts and Design, BNODEG Pathway**  
**2019-2020**


ASU Major: [Exploratory Humanities, Fine Arts and Design, BNODEG | College of Integrative Sciences and Arts](#)

## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 	Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 	MAT 142: is the minimum math required for completion of the AGECE-A. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
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Humanities, Arts, and Design [HU]	3 hrs 
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 
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Social-Behavioral Science [SB]	3 hrs 
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
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Historical or Global Awareness [H] or [G]	0-3 hrs 
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## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.

Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of "C" or better.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CPD 102AB: Career Exploration 0-2 hrs Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement

[Print](#)

**Maricopa Community College District**

**Exploratory Math, Physical Sciences, Engineering and Technology, BNODEG Pathway**

**2019-2020**

ASU Major: [Exploratory Math, Physical Sciences, Engineering and Technology, BNODEG | College of Integrative Sciences and Arts](#)

## Pathway Requirements

### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I

4-5 hrs



Mathematical Studies [MA]: Complete 220 or 221 or any mathematics course for which MAT 220 or 221 is a prerequisite. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.

### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

3 hrs



Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.

Humanities, Arts, and Design

3 hrs



Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.

### Social-Behavioral Science [SB]

Social-Behavioral Science

3 hrs



Social-Behavioral Science

3 hrs



Natural Science [SQ, SG]

## Pathway Notes





2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCCDC AGEC-S. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.





CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4 hrs  
PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR	
BIO 181: General Biology (Majors) I	
CHM 152: General Chemistry II or CHM 152LL: General Chemistry II Laboratory OR	4 hrs  
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism OR	
BIO 182: General Biology (Majors) II	


**Subject Options**

Subject Options	6-8 hrs 	Using a transfer guide, select courses from Mathematics courses above Calculus, and/or Science courses.
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**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

CPD 102AB: Career Exploration	2 hrs	Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.
Lower Division Elective	0-22 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Exploratory Social and Behavioral Sciences, BNODEG Pathway 2019-2020

ASU Major: [Exploratory Social and Behavioral Sciences, BNODEG](#) | [College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review



3-6 hrs

MAT 142: is the minimum math required for completion of the AGECA. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.

Computer/Statistics/Quantitative Applications [CS]



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CPD 102ab: Career Exploration 0-2 hrs Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



Print



## Maricopa Community College District Family and Human Development, BS Pathway 2019-2020

ASU Major: [Family and Human Development, BS](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government or  
PSY 230: Introduction to Statistics   3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Take a course that also fulfills the [H] requirement


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

CFS 205: Human Development  3 hrs


CFS 112: Personal Growth and Family  
Relations  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs At least one Natural Science course must be Science Quantitative [SQ].

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Family & Human Development B.S. degree program.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

SOC Elective or  
PSY Elective

6 hrs  
 

6 hours of SOC or PSY elective required

Lower Division Elective

5-19 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



[Print](#)


**Maricopa Community College District**  
**Fashion, BA Pathway**  
**2019-2020**


ASU Major: [Fashion, BA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


ARH 102: Renaissance Through  
 Contemporary Art or  
 INT 105: Introduction to Interior Design   3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs



## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Fashion, BA degree program.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
ART 111: Drawing I or ART 290BC: Studio Art: Drawing	3 hrs		Satisfies ASU's Art requirement.
TEC 105: Cultural Aspects of Clothing	3 hrs		
TEC 103: Developing Your Fashion Business	2 hrs		Satisfies ASU's Business & Merchandising requirement.
TEC 225: Pattern Design I and TEC 226: Draping for Fashion Design	6 hrs		
TEC 111: Clothing Construction	3 hrs		
TEC 125: Fashion Design	3 hrs		
TEC 222: Textiles	3 hrs		
Fashion Elective	0-2 hrs		Herberger Institute for Design and the Arts approves any transferable TEC topics to apply as Fashion Electives. TEC/MKT 109, TEC/MKT 200, TEC 113, TEC 114, TEC 115, TEC 120, TEC 129, TEC 151, TEC 221, TEC 224, TEC 240, or MKT 274 AC are all recommended courses for this requirement.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Film (Film and Media Studies), BA Pathway 2019-2020


ASU Major: [Film \(Film and Media Studies\), BA | College of Liberal Arts and Sciences](#)


### Pathway Requirements

First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs

Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
Natural Science  4 hrs Select at least one SQ natural science course

Natural Science  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  3 hrs

Historical or Global Awareness [H] or [G]  3 hrs

MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Film (Film & Media Studies) B.A. degree program.



COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

Lower Division Elective 0-16 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Film (Filmmaking Practices), BA Pathway 2019-2020

ASU Major: [Film \(Filmmaking Practices\), BA | Herberger Institute for Design and the Arts](#)



### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


THE 220: Modern Drama   3 hrs THE 220 can count as [L] or [HU], but not both.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

HUM 210: Contemporary Cinema or  
THF 210: Contemporary Cinema  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs [C] may be used to simultaneously fulfill other AGEC requirements.

Historical or Global Awareness [H] or [G]  0-3 hrs [H] and [G] may be used to simultaneously fulfill other AGEC requirements.


MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
TCM 111: Screenwriting I and TCM 211: Screenwriting II	6 hrs		
TCM 241: AVID Media Composer Editing	0-4 hrs		Up to 9 credits of prerequisites for this course may be applied to lower division electives. Students are urged to start the sequence of prerequisites early in their program of study. Be advised: if completing FMP 220 at ASU, instructor override approval is needed to enroll in the course.
THP 217: Intro to Design Scenography	3 hrs		
THP 112: Acting I	3 hrs		
Lower Division Elective	0-13 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. Recommend meeting prerequisites for TCM 241 within these elective credits.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Finance, BS Pathway**  
**2019-2020**


ASU Major: **Finance, BS | W. P. Carey School of Business**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs

Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
 Systems   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**Forensic Science, BS Pathway**  
**2019-2020**

ASU Major: **Forensic Science, BS | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements

### First Year Composition [FYC]

ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs

### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus or  
 MAT 220: Calculus with Analytic Geometry I or  
 MAT 221: Calculus with Analytic Geometry I

  3-5 hrs

If MAT 212 or 213 is taken to meet this MA requirement, students must also take MAT182 or MAT187, or be eligible for MAT220 or MAT221 by appropriate placement test score, or have completed a year of high school trigonometry with a grade of "C" or better to meet the prerequisite for PHY111.


MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government or  
 GBS 221: Business Statistics   3 hrs



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs



Humanities, Arts, and Design  3 hrs



### Social-Behavioral Science [SB]

AJS 101: Introduction To Criminal Just  3 hrs


PSY 101: Introduction to Psychology   3 hrs


### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.







## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Forensics B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	Met by completing COM 225
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs 	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs 	
CHM 152AA: General Chemistry II		
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory	4 hrs 	
CHM 236: General Organic Chemistry II and CHM 236LL: General Organic Chemistry II Laboratory	4 hrs 	
PHY 111: General Physics I	4 hrs 	
PHY 112: General Physics II	4 hrs 	
Lower Division Elective	0-1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**French, BA Pathway**  
**2019-2020**


ASU Major: [French, BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs 


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs 


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs Select a course that also fulfills [C]

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 ENG 213: Introduction to the Study of  
 Language or  
 SLC 201: Introduction to Linguistics  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ course within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0 hrs Fulfilled by [HU]

Historical or Global Awareness [H] or [G]  0 hrs Fulfilled by ASU's FRE 101


## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the French B.A. degree program.



COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
FRE 101: Elementary French I or FRE 101AA: Elementary French I	4 hrs	
FRE 102: Elementary French II or FRE 102AA: Elementary French II	4 hrs	
FRE 201: Intermediate French I	4 hrs	
FRE 202: Intermediate French II	4 hrs	
ITA 101: Elementary Italian I or ITA 101AA: Elementary Italian I	4 hrs	
Lower Division Elective	0-5 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



**Maricopa Community College District**  
**General Studies, BA Pathway**  
**2019-2020**

ASU Major: [General Studies, BA | College of Integrative Sciences and Arts](#)


## Pathway Requirements

### First Year Composition


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry


Literacy and Critical Inquiry  3 hrs

### Mathematical Studies

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics and  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  3 hrs Complete one course that transfers to ASU with a CS designation.


### Humanities, Arts, and Design

Humanities, Arts, and Design  3 hrs Students are encouraged to choose courses from different disciplines for the Humanities [HU] requirements. Courses must transfer to ASU with an [HU] designation.


Humanities, Arts, and Design  3 hrs


### Social-Behavioral Science

Social-Behavioral Science  3 hrs Students are encouraged to choose courses from different disciplines for the Social and Behavioral Sciences [SB] requirements. Courses must transfer to ASU with an [SB] designation.


Social-Behavioral Science  3 hrs


### Natural Science

Natural Science  4 hrs ASU requires completion of two Lab Science courses. At least one course must be an SQ.

Natural Science  4 hrs

### AGEC Awareness Areas

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

There are no notes for this pathway

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts, meets major map requirements at ASU, and guarantees admission to the General Studies BGS degree program.

View Bachelor of Arts in General Studies clusters at: <https://cisa.asu.edu/general-studies/degree-clusters>

. Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript and must have their Associate in Arts (AA) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the General Studies BGS degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

**MCCCD Additional Requirements**

COM 100: Introduction to Human  
Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

11-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. Recommend selecting courses that fulfill BGS cluster requirement.

Total Required Credits: 60

# Pathway Agreement



Print



**Maricopa Community College District**  
**Geography, BA Pathway**  
**2019-2020**

ASU Major: [Geography, BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs 


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs 

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


GIS 205: Geographic Information  
 Technologies  3 hrs

### Humanities, Arts, and Design [HU]


Humanities, Arts, and Design  3 hrs

Humanities, Arts, and Design  3 hrs


### Social-Behavioral Science [SB]

GCU 121: World Geography I: Eastern Hemisphere and  
 GCU 122: World Geography II: Western Hemisphere  6 hrs GCU 121 and 122 are both required in order to receive credit for GCU 121 at ASU. May also be used to satisfy Global Awareness requirement.


### Natural Science [SQ, SG]


GPH 111: Intro to PHYSICAL GEOGRAPHY  
 and  
 GPH 112: Introduction to Physical  
 Geography Lab OR  4 hrs

GPH 113: Introduction to Physical  
 Geography

Natural Science  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs Global Awareness met by GCU 102

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Geography degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Geography, BA degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

GCU 102: Intro to HUMAN GEOGRAPHY 3 hrs GCU 102 satisfies required course in major as well as Global Awareness requirement.

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs For Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

Lower Division Elective 0-22 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



[Print](#)

**Maricopa Community College District**  
**Geography, BS Pathway**  
**2019-2020**



ASU Major: [Geography, BS | College of Liberal Arts and Sciences](#)


## Pathway Requirements


**First Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


**Literacy and Critical Inquiry [L]**  
 Literacy and Critical Inquiry  3 hrs


**Mathematical Studies [MA, CS]**  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review   3-6 hrs


GIS 205: Geographic Information  
 Technologies  3 hrs



**Humanities, Arts, and Design [HU]**  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs

**Social-Behavioral Science [SB]**  
 GCU 102: Intro to HUMAN GEOGRAPHY  3 hrs Can also be used to satisfy Global Awareness [G] requirement

Social-Behavioral Science [SB]  3 hrs

**Natural Science [SQ, SG]**  
 GPH 111: Intro to PHYSICAL GEOGRAPHY  
 and  
 GPH 112: Introduction to Physical  
 Geography Lab OR  
 GPH 113: Introduction to Physical  
 Geography  4 hrs

Natural Science   4 hrs

**General Education Awareness Areas [C, H, G]**  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G] 0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Geography degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Geography, BS degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Major Electives 0-6 hrs Choose up to 6 credit hours of courses (not applied elsewhere) that transfer to ASU as courses or electives with the GCU, GIS, GPH, or PUP prefixes.

Lower Division Elective 4-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**





# Pathway Agreement


Print

## Maricopa Community College District Geography (Meteorology-Climatology), BS Pathway 2019-2020



ASU Major: [Geography \(Meteorology-Climatology\), BS](#) | College of Liberal Arts and Sciences


### Pathway Requirements




First-Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	0-3 hrs		Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.
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Mathematical Studies [MA] MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs	 
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Humanities, Arts, and Design [HU] Humanities, Arts, and Design	3 hrs	
Humanities, Arts, and Design	3 hrs	

Social-Behavioral Science [SB] GCU 102: Introduction to Human Geography	3 hrs		GCU 102 can also be used to satisfy the Global Awareness requirement.
Social-Behavioral Science [SB]	3 hrs		

Natural Science [SQ, SG] PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4 hrs	 
PHY 131: University Physics II: Electricity and Magnetism	4 hrs	

Subject Options MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	

General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Geography-Meteorology degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Geography (Meteorology-Climatology), BS degree program.




Cultural Diversity in the U.S. [C]	0-3 hrs 	Cultural Diversity in the U.S.
Historical or Global Awareness [H] or [G]	0 hrs 	Met by GCU 102, 121, 122.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

GIS 205: Geographic Information Technologies	3 hrs 	
GPH 111: Intro to PHYSICAL GEOGRAPHY and GPH 112: Introduction to Physical Geography Lab OR	4 hrs 	
GPH 113: Introduction to Physical Geography		
GPH 212: Introduction to Meteorology I	3 hrs	
GPH 213: Climate and Weather	3 hrs	
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**German, BA Pathway**  
**2019-2020**



ASU Major: [German, BA | College of Liberal Arts and Sciences](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 	3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 	3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]		3 hrs	Recommend selecting a course that satisfies (L and COM) or (L and CRE101) requirements simultaneously.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review		3-6 hrs
<b>Lower Division Computer/Statistics/Quantitative Applications [CS]</b>		3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]		3 hrs	Three credit hours of Humanities, Arts, and Design [HU] requirement may be satisfied with SLC 201 or ENG 213.
Humanities, Arts, and Design [HU]		3 hrs	

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]		3 hrs	Social & Behavioral Science: Three credit hours of Social-Behavioral Sciences [SB] requirement may be satisfied with SLC 201 or ENG 213.
Social-Behavioral Science [SB]		3 hrs	

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]		4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]		4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]		0-3 hrs	
Historical or Global Awareness [H] or [G]		0-3 hrs	AGEC Awareness Area [G] met by GER 101, GER 102, GER 201, or GER 202.






## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the German B.A. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.33 cumulative GPA required in all Sun Devil tracking courses: GER 101/101AA, GER 102/102AA, GER 201, GER 202.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ENG 213: Introduction to the Study of or SLC 201: Introduction to Linguistics	0-3 hrs	
GER 101: Elementary German I or GER 101AA: Elementary German I	4 hrs 	Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirements courses.
GER 102: Elementary German II or GER 102AA: Elementary German II	4 hrs 	
GER 201: Intermediate German I	4 hrs 	
GER 202: Intermediate German II	4 hrs 	
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



**Maricopa Community College District**  
**Global Health, BA Pathway**  
**2019-2020**

ASU Major: [Global Health, BA](#) | [College of Liberal Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government or  
 PSY 230: Introduction to Statistics   3 hrs


### Humanities, Arts, and Design [HU]

ASB 222: Buried Cities and Lost Tribes: Old World or  
 ASB 223: Buried Cities and Lost Tribes: New World  3 hrs Course may also be used to satisfy three credits of Humanities, Arts & Design (HU) or Social-Behavioral Sciences (SB) and Global Awareness (G) and Historical Awareness (H)


Humanities, Arts, and Design  3 hrs


### Social-Behavioral Science [SB]

AFR 202: ETHNIC RELATIONS IN the U.S.  
 or  
 ASB 202: ETHNIC RELATIONS IN the U.S.  3 hrs


ASB 102: Culture in a Globalizing Worl  3 hrs


### Natural Science [SQ, SG]

ASM 104: Bones, Stones and Human Evolution  4 hrs Meets Science General [SG] General Education requirement.

Natural Science [SQ]  4 hrs Select a course that meets the Science Quantitative [SQ] General Education requirement.

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Met by ASB/AFR 202.

Historical or Global Awareness [H] or [G]  0 hrs Met by ASB/AFR 202.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Anthropology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Global Health, BA degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ASB 100: Introduction to Global Health 0-3 hrs Can be taken after transfer

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs Second Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



Print


**Maricopa Community College District**  
**Global Management, BGM Pathway**  
**2019-2020**


ASU Major: [Global Management, BGM | Thunderbird School of Global Management](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes




2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Global Management, BGM degree program.

While the Global Management, BGM MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. The additional coursework for this option is listed in the track at the bottom of the MAPP. Selecting this option will limit the number of electives available compared to the Associate of Arts because the additional ABUS requirements are taken in their place. Please work with a Maricopa Advisor if you are following the AGEC-B option.

Students pursuing a major in Global Management have two different major tracks available to them: 1.) International Business, Language, & Culture, and 2.) International Business & Culture. Students pursuing the International Business, Language, & Culture track are required to study a foreign language through the fourth semester-level, as well as upper-division language & culture courses. Students pursuing International Business & Culture are not required to study a foreign language; instead, they study additional coursework in international management and global studies.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR	0-9 hrs 	ASU's TGM 200 may be completed in the first term after transfer to meet this requirement. Associate in Arts pathway only.
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 163: Intercultural Communication in Everyday Life or COM 263: ELEMENTS OF INTERCULTURAL COMM	3 hrs	
CHI 101: ELEMENTARY CHINESE (MANDARIN) I and CHI 102: ELEMENTARY CHINESE (MANDARIN) II and CHI 201: Intermediate Chinese I and CHI 202: Intermediate Chinese II OR	0-20 hrs 	Required for International Business, Language, and Culture Concentration Only. Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Mandarin Chinese or Spanish); Elective credits may require adjustment. See advisor.
SPA 101: Elementary Spanish I and SPA 102: Elementary Spanish II and SPA 201: Intermediate Spanish I and SPA 202: Intermediate Spanish II		
Lower Division Elective	0-23 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. Depending on which concentration is chosen (International Business & Culture or Language and Culture), the amount of elective credit taken must equal the amount needed to reach 60-64 credits.
ABUS Requirements	0 hrs	While the Global Management, BGM MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. This track requires to students to use Lower Division Electives to complete all of the listed requirements before transferring to ASU. It is recommended that students discuss this option with their advisor in order to best plan the elective credits in order to not exceed the maximum transferable credit range (64).

Total Required Credits: 61

## Track/Groups

### ABUS Requirements

ABUS Requirements	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business AND  Business Electives or Programming I & II AND  ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting AND  GBS 205: Legal, Ethical, And Regulatory Issues in Business	Students have the choice of selecting either 6 credits of Business Electives or 6 credits of Programming requirements. Business Electives are required for the ABUS-GR while the Programming courses are required for the ABUS-SR. Completing the ABUS requirements will decrease the number of elective credits available. Discuss course requirements with Maricopa Advisor.

# Pathway Agreement



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**Maricopa Community College District**  
**Global Studies, BA Pathway**  
**2019-2020**


ASU Major: [Global Studies, BA](#) | [College of Liberal Arts and Sciences](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistics/Quantitative Analysis [CS]  
  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG] Natural Science	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science	 4 hrs	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Global Studies, B.A. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. The Global Studies BA degree requires completion of a global experience through ASU's study abroad programs or an international internship. All experiences must be approved by the School of Politics and Global Studies' internship coordinator.



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b> AHU 245: Arabic Culture and Islam or ECN 250: World Economic Systems or HCR 230: Culture and Health or HIS 277: The Modern Middle East or REL 290: Women and World Religions or WST 290: Women and World Religions	6 hrs	Select two of the classes listed (6 hours). Only one of REL 290 and WST 290 may apply because they are cross-listed.
<b>Related Area</b>	0-12 hrs	Choose four Related Area courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AFR, ASB, ASM, BIO, COM, ECN, GCU, GPH, HPS, HST, JUS, NLM, PAF, POS, PUP, REL, SOS, USL, WST. Courses may be used to simultaneously fulfill any outstanding AGEC requirements.
<b>Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.</b>	0-16 hrs	Second Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.
<b>Lower Division Elective</b>	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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## Maricopa Community College District Graphic Information Technology, BS Pathway 2019-2020



ASU Major: [Graphic Information Technology, BS | Ira A. Fulton Schools of Engineering](#)




### Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3-4 hrs 	PSY 290AB or PSY 290AC recommended.
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<b>Mathematical Studies [MA, CS]</b> MAT 187: Precalculus OR MAT 150: College Algebra/Functions and MAT 182: Plane Trigonometry OR MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry OR MAT 152: College Algebra/Functions and MAT 182: Plane Trigonometry OR MAT 155: College Algebra/Functions with Review and MAT 182: Plane Trigonometry OR MAT 156: College Algebra/Functions with Review or MAT 182: Plane Trigonometry	5-9 hrs  
GBS 221: Business Statistics or MAT 206: Elements of Statistics or PSY 230: Introduction to Statistics or SWU 225: Statistics for Social Research/Justice and Government	3 hrs  

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 	Recommend that HU course also satisfies [H] requirement.
Humanities, Arts, and Design [HU]	3 hrs 	Recommend that HU course also satisfies [G] requirement.

<b>Social-Behavioral Science [SB]</b> PSY 101: Introduction to Psychology	3 hrs  	
Social-Behavioral Science [SB]	3 hrs 	Recommend that SB course also satisfies [C] requirement.

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	



### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Graphic Information Technology, BS degree program.

General Education Awareness Areas [C, H, G]


Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements

INT 235: Universal Design or ART 111: Drawing I or ART 290BC: Studio Art: Drawing	3 hrs	 INT 235 is recommended.
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CIS 132: HTML/CSS or CIS 133DA: Internet/Web Development Level I	3 hrs
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EPS 150: Introduction to Entrepreneurship	3 hrs
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Lower Division Elective	0-14 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Health Care Coordination, BS Pathway 2019-2020

ASU Major: [Health Care Coordination, BS](#) | College of Nursing and Health Innovation


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that satisfies [MA]  
requirement.  3-6 hrs


MAT 206: Elements of Statistics or  
PSY 230: Introduction to Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government   3 hrs



#### Humanities, Arts, and Design [HU]

HCR 210: Clinical Health Care Ethics  3 hrs



Humanities, Arts, and Design  3 hrs

#### Social-Behavioral Science [SB]



CFS 205: Human Development  3 hrs

PSY 101: Introduction to Psychology   3 hrs

#### Natural Science [SQ, SG]

CHM 130: Fundamental Chemistry and  
CHM 130LL: Fundamental Chemistry Lab  
OR   4 hrs

CHM 130AA: Fundamental Chemistry with  
Lab

BIO 205: Microbiology   4 hrs



General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements




Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Care Coordination, BS degree program.

Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by HCR 230.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HCR 220.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 201: Human Anatomy and Physiology	4 hrs 	
BIO 202: Human Anatomy and Physiology	4 hrs 	
FON 241: Principles of Human Nutrition OR FON 241: Principles of Human Nutrition and FON 241LL: Principles of Human Nutrition Laboratory	3-4 hrs	
HCR 220: Introduction to Nursing and Health Care Systems	3 hrs	
HCR 230: Culture and Health	3 hrs	
HCR 240: Human Pathophysiology OR HCR 240AA: Human Pathophysiology I and HCR 240AB: Human Pathophysiology II	4 hrs	
SOC 101: Introductory Sociology	3 hrs 	
Lower Division Elective	0-1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Health Education and Health Promotion, BS Pathway**  
**2019-2020**

ASU Major: **Health Education and Health Promotion, BS | College of Health Solutions**


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs



### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 151AA: College Algebra and  
 MAT 151AB: Functions I and  
 MAT 151AC: College Algebra and  
 MAT 151AD: Functions or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with  
 Review or  
 MAT 156: College Algebra/Functions with  
 Review OR   3-6 hrs

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review


GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government or  
 PSY 230: Introduction to Statistics   3 hrs Each of these courses satisfy the CS requirement.



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs

Humanities, Arts, and Design  3 hrs

### Social-Behavioral Science [SB]

HES 100: Healthful Living or  
 WED 110: PRINCIPLES PHYSICAL  
 FITNESS/WELLNESS  3 hrs

PSY 101: Introduction to Psychology   3 hrs




### Natural Science [SQ, SG]

## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Education and Health Promotion B.S. degree program.

BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I	4 hrs  
CHM 107: Chemistry and Society and CHM 107LL: CHEMISTRY & SOCIETY LAB OR	4-5 hrs 
CHM 130: Fundamental Chemistry and CHM 130LL: Fundamental Chemistry Laboratory or CHM 130AA: Fundamental Chemistry with Lab OR	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I OR	
BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	



**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 	AGEC Awareness Areas [C] or [G] met by HES 210.
Historical or Global Awareness [H] or [G]	0-3 hrs 	AGEC Awareness Areas [C] or [G] met by HES 210.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 will fulfill [L]
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 202: Human Anatomy and Physiology II	4 hrs  	
FON 241: Principles of Human Nutrition or FON 100: Introductory Nutrition	3 hrs	
Lower Division Elective	3-18 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. EXW 102 and CHS 300 will need to be taken after transfer.

**Total Required Credits: 60**

# Pathway Agreement



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## Maricopa Community College District Health Entrepreneurship and Innovation, BS Pathway 2019-2020

ASU Major: [Health Entrepreneurship and Innovation, BS](#) | College of Nursing and Health Innovation


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government OR  
  3 hrs



PSY 230: Introduction to Statistics



#### Humanities, Arts, and Design [HU]

HCR 210: Clinical Health Care Ethics   3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs

SOC 101: Introduction to Sociology   3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement. ASU's College of Nursing and Health Innovation recommends GLG 110 and GLG 111.

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement. ASU's College of Nursing and Health Innovation recommends BIO 100.

General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements



The BS in Health Entrepreneurship Innovation is the first of its kind in the country, intended for students who want to lead transformative change in health through the creation of new products, processes and systems. With a focus on transdisciplinary experiences, this program will provide students with a broad background in the principles of innovation, leadership, complexity science, change theory, collaboration and evidence-based decision making to prepare graduates to manage implementation of innovation in the health care arena.

This unique program situates students at the intersection of innovation and entrepreneurship in health and healing.


This innovative program would be a great pathway for any community college student with an interest in health, business, health care administration, entrepreneurship, and many other areas.

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Entrepreneurship and Innovation BS degree program.




Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by HCR 230 or HES 210.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HCR 230 or HES 210

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 100: Introduction to Human Communication	3 hrs 	
HCC 130: FUNDAMENTALS IN HEALTH CARE DELIVERY or HCR 220: Introduction to Nursing and Health Care Systems	3 hrs	
HCR 230: Culture and Health or HES 210: Cultural Aspects of Health and Illness	3 hrs	
Health Innovation Elective	0-18 hrs	Select courses from the Track/Groups section to below. Students should consult w/ an ASU advisor to identify appropriate courses in a thematic area when selecting Health Innovation Electives.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

Health Innovation Elective

<b>Health Innovation Elective</b>	
ASB 100: Introduction to Global Health	
<b>Health Innovation Elective</b>	
HES 100: Healthful Living or WED 110: PRINCIPLES PHYSICAL FITNESS/WELLNESS	
<b>Health Innovation Elective</b>	
SUS 100: Introduction to Sustainability	
<b>Health Innovation Elective</b>	
SUS 110: Sustainable World	
<b>Health Innovation Elective</b>	
WST 100: Women and Society	
<b>Health Innovation Elective</b>	
ACC, ECN, FIN, HCR, LES, MGT, MKT, NTR, OGL, OMT, SOS, TEL, or TEM Departmental Elective	Select a course that transfers to ASU as a Dept. Elective from the following prefixes.

# Pathway Agreement



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**Maricopa Community College District**  
**Health Sciences, BS Pathway**  
**2019-2020**

ASU Major: **Health Sciences, BS | College of Health Solutions**


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs COM 225 recommended

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

PHI 213: Medical and Bio-Ethics  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs AGECE Awareness Areas [C] and [G] met by HES 210 (if selected to meet Additional Lower Division Requirement).

Historical or Global Awareness [H] or [G]  0-3 hrs AGECE Awareness Areas [C] and [G] met by HES 210 (if selected to meet Additional Lower Division Requirement).

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the Health Sciences, BS degree program.

Students who matriculate to ASU will choose a track to complete: Community-based Health Outcomes, Health Legislation and Regulation, or Integrated Care.

MCCC Additional Requirements

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

HES 210: Cultural Aspects of Health and Illness or  
 IFS 215: Cultural Context of Health Information 3 hrs If HES 210 is selected, it meets a lower division requirement, [C] and [G]. Credits can only be counted once.

Lower Division Elective 8-22 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. BMI 201 will need to be completed after transfer to ASU.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Health Sciences (Healthy Lifestyles Coaching), BS Pathway 2019-2020

ASU Major: [Health Sciences \(Healthy Lifestyles Coaching\), BS | College of Health Solutions](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

EXS 290: Introduction to Evidence-Based  
Practice  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government or  
PSY 230: Introduction to Statistics   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]   3 hrs



Humanities, Arts, and Design  3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs

PSY 101: Introduction to Psychology   3 hrs

#### Natural Science [SQ, SG]

BIO 160: Intro To Human Anatomy & Physiology   4 hrs MCCC'D's BIO 160 is an acceptable course substitution for ASU's BIO 160.

CHM 130: Fundamental Chemistry and  
CHM 130LL: Fundamental Chemistry  
Laborat or  
CHM 130AA: Fundamental Chemistry with  
Lab   4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC'D Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Sciences (Healthy Lifestyle Coaching) B.S. degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs 	HES 210 may be used to satisfy [C] and [G].
Historical or Global Awareness [H] or [G]	0-3 hrs 	HES 210 may be used to satisfy [C] and [G].

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

FON 241: Principles of Human Nutrition	3 hrs	
IFS 215: Cultural Context of Health Information or HES 210: Cultural Aspects of Health and Illness	3 hrs	
Lower Division Elective	4-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**History, BA Pathway**  
**2019-2020**


ASU Major: **History, BA | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [HU] value in the semester it is taken.

Humanities, Arts, and Design [HU]  3 hrs May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [HU] value in the semester it is taken.

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [SB] value in the semester it is taken.

Social-Behavioral Science [SB]  3 hrs May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [SB] value in the semester it is taken.

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas [C, H, G]

## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History B.A. degree program

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0-3 hrs		May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [H] or [G] value in the semester it is taken.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
History Lower Division Elective	3 hrs		
Two Semester Survey in U.S. History, World History or Western Civilization	6 hrs		If choosing U.S History Survey, complete HIS 103 and HIS 104; if choosing World History, complete HIS 110 and HIS 111; if choosing Western Civilization, complete two from HIS 100, HIS 101 and HIS 102.
Related Area Course	9 hrs		Select three courses (9 hours) that transfer to ASU as a direct equivalent or Departmental Elective credit (DEC) in the following ASU prefixes: ENG, HST, PHI, REL, SPA, WST.
Lower Division Elective	0-7 hrs		Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

### Track/Groups

Two Semester Survey in U.S. History, World History or Western Civilization

<b>Two Semester Survey in U.S. History, World History or Western Civilization</b>	
HIS 103: United States History to 1865 and HIS 104: United States History 1865 to	
<b>Two Semester Survey in U.S. History, World History or Western Civilization</b>	
HIS 110: World History to 1500 and HIS 111: WORLD HISTORY 1500 TO the PRESENT	
<b>Two Semester Survey in U.S. History, World History or Western Civilization</b>	
HIS 100: HIST OF W CIVILIZATION TO MID AGES or HIS 101: HIST OF W CIVILIZATION/MID AGES-1789 or HIS 102: HIST OF W CIVILIZATION/1789 TO PRSNT	Choose 2 of the following courses for 6 credit sequence

# Pathway Agreement



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**Maricopa Community College District**  
**History, BA Pathway**  
**2019-2020**


ASU Major: [History, BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs



Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs



Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs

Computer/Statistics/Quantitative Applications  3 hrs

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	 3 hrs	For Humanities [HU] and Social-Behavioral Sciences [SB] requirement, select courses that also satisfy History or Related Area requirements for the major.
Humanities, Arts, and Design [HU]	 3 hrs	For Humanities [HU] and Social-Behavioral Sciences [SB] requirement, select courses that also satisfy History or Related Area requirements for the major.

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	 3 hrs	For Humanities [HU] and Social-Behavioral Sciences [SB] requirement, select courses that also satisfy History or Related Area requirements for the major.
Social-Behavioral Science [SB]	 3 hrs	For Humanities [HU] and Social-Behavioral Sciences [SB] requirement, select courses that also satisfy History or Related Area requirements for the major.

Natural Science [SQ, SG] Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	 0-3 hrs	
Historical or Global Awareness [H] or [G]	 0-3 hrs	

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History B.A. degree program.

Special Requirements: 2.25 GPA in History courses. 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.



**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

History Survey Courses	0-6 hrs	History Survey courses should also meet AGECA Humanities and Fine Arts and/or Social and Behavioral Science requirements. A list of History Survey Courses is located below.
Related Area Courses	0-6 hrs	Select two courses which transfer as either direct equivalencies or departmental electives to courses in the following ASU departments: AFR, AIS, APA, APH, ARS, ASB, ASM, ECN, ENG, GCU, HON, HPS, HUM, JUS, PHI, POS, REL, SGS, SOC, TCL, and WST. (Courses which transfer as ENG 101-111 are excluded). These courses may also satisfy Humanities [HU] and/or Social-Behavioral Sciences [SB] requirements when they carry those designations.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. HST 130 will need to be taken after transfer to ASU. For students with high transfer hours, it may be taken as HST 330 instead of HST 130.

Total Required Credits: 60

**Track/Groups**

History Survey Courses

History Survey Courses
HIS 110: World History to 1500 or HIS 111: WORLD HISTORY 1500 TO the PRESENT or HIS 100: HIST OF W CIVILIZATION TO MID AGES or HIS 101: HIST OF W CIVILIZATION/MID AGES-1789 or HIS 102: HIST OF W CIVILIZATION/1789 TO PRSNT or HIS 103: United States History to 1865 or HIS 104: United States History 1865 to Present or HIS 108: United States History 1945 to the Present or HIS 113: History of Eastern Civilizations to 1850 or HIS 114: History of Eastern Civilizations 1850 to Present

# Pathway Agreement



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**Maricopa Community College District**  
**History, BA Pathway**  
**2019-2020**


ASU Major: [History, BA | College of Integrative Sciences and Arts](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs 

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs 


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
 Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History B.A. degree program.

Special Requirements: 2.25 GPA in History courses and Critical Tracking courses. 2.0 GPA in remaining coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

History Related Area	3 hrs	Select 1 course (3 hours) that transfer to ASU as direct equivalents or Departmental Elective credit (DEC) with an ENG, ISS, PHI, POS, REL, SOC, or STS prefix.
History Electives	9 hrs	Select 3 courses (9 hours) that transfer to ASU as direct equivalents or Departmental Elective credit (DEC) with an HST prefix. A minimum GPA of 2.25 is required in these courses.
Lower Division Elective	0-15 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**History of Science, Ideas and Innovation, BA Pathway**  
**2019-2020**

ASU Major: [History of Science, Ideas and Innovation, BA](#) | College of Integrative Sciences and Arts


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement 3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
 Natural Science  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History of Science, Ideas and Innovation, BA degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**  
History Related Area

6 hrs

Select 2 courses from one subject/prefix that transfer to ASU as direct equivalents or Departmental Elective credit (DEC) with an ABS, ISS, PHY, POS, SOC, or STS prefix.

Lower Division Elective

4-19 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



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**Maricopa Community College District**  
**Human Systems Engineering, BS Pathway**  
**2019-2020**

ASU Major: **Human Systems Engineering, BS | Ira A. Fulton Schools of Engineering**


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

PSY 290AC: Research Methods or  
 PSY 290AB: Research Methods  4 hrs

### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR   5-9 hrs


MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR


MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR

MAT 187: Precalculus



PSY 230: Introduction to Statistics  3 hrs PSY 230 is an approved substitute for HSE 230.


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Humanities and Fine Arts [HU]: Recommend selecting course that also satisfies [C].

Humanities, Arts, and Design [HU]  3 hrs Humanities and Fine Arts [HU]: Recommend selecting course that also satisfies [H].

### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs PSY 101 is an approved substitute for HSE 101.

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]




## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


## Special Requirements


Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the Human Systems Engineering, BS degree program, within the Polytechnic School of the Ira A. Fulton Schools of Engineering.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

BIO 100: Biology Concepts or BIO 102: GEN BIO(NON-MAJORS)ADDITIONAL or BIO 156XT: Introductory Biology for Allied Health or BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I or BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I	4-5 hrs  	
Natural Science	4 hrs 	Must meet SQ General Studies Requirement

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 	
Global Awareness [G]	0-3 hrs 	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	

Additional Lower Division Requirements CIS 105: Survey of Computer Information Systems or CIS 162AD: C#: Level I or CSC 100: Introduction to Computer Science (C++) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Intro to Computer Science (JAVA) or CSC 120: Digital Design Fundamentals or CSC 150: Programming in C/C++ or CSC 150AA: Programming in C/C++ or CSC 180: Computer Literacy or CSC 180AA: Computer Literacy or CSC 180AB: Computer Literacy or CSC 182: Principles of Programming W/C#.Net or CSC 182AA: Principles of Programming W/C#.Net or CSC 220: Programming for Computer Engineering or EEE 120: Digital Design Fundamentals or EEE 220: PROGRAMMING for COMPUTER ENGINEERING	3-4 hrs 	
ECE 102: Engineering Analysis Tools or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs	
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design		
Technical Elective	9 hrs	Select courses that transfer to ASU with the following prefixes: AME, AMT, BIO, BME, BMI, CAP, CIS, CSE, EEE, EGR, GIT, HSE, IEE, IFT, MFG, PSY, SER, TEM, TMC, TWC.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





















# Pathway Agreement

Print

## Maricopa Community College District Industrial Engineering, BSE Pathway 2019-2020

ASU Major: [Industrial Engineering, BSE](#) | [Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory	4 hrs 	Can be used to meet basic science requirement at ASU.
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory	4 hrs 	
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs 	
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	4-5 hrs  	
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  	
Humanities, Arts, and Design or AGEC Awareness Areas	3-6 hrs 	Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.
Social-Behavioral Science or AGEC Awareness Areas	3 hrs 	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.
<b>Additional Lower Division Requirements</b>		
MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, CSC 110, CSC 205 and ECN 211 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	3-4 hrs	



### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Industrial Engineering BSE degree program. Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU. Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of "C" or better.



CSC 120: Digital Design Fundamentals OR CSC 240: Introduction to Different Pro OR EEE 202: Circuits and Devices	3-5 hrs	Course meets engineering science elective for major.
CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures	3-4 hrs	
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECN 211: Macroeconomic Principles	3 hrs	

Total Required Credits: 65

# Pathway Agreement



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## Maricopa Community College District Information Technology, BS Pathway 2019-2020

ASU Major: [Information Technology, BS | Ira A. Fulton Schools of Engineering](#)



### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus 3-4 hrs MCCCD students may use MAT212/213 to meet the math portion of the prerequisites for MAT227


GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
PSY 230: Introduction to Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government   3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU] 3 hrs Recommended HU courses also include [C]. 


Humanities, Arts, and Design [HU] 3 hrs Recommended HU courses also include [H]. 


Social-Behavioral Science [SB]  
PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG] 4 hrs Select at least one [SQ] within the Natural Science requirement. 

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


MCCCD Additional Requirements

### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Information Technology, BS degree program.

COM 100: Introduction to Human Communication or COM 230: Small Group Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking	0-3 hrs 
CRE 101: College Critical Reading	0-3 hrs

**Additional Lower Division Requirements**


CIS 105: Survey of Computer Information Systems	3-4 hrs 
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CIS 162AD: C#: Level I or CSC 150: Programming in C/C++ or CSC 150AA: Programming in C/C++ OR	3-4 hrs	CSC 100 or CSC 110 recommended because they meet a prerequisite requirement for MAT 227.
CSC 100: Introduction to Computer Science (C++) or CSC 100AA: Introduction to Computer Science (C++) or CSC 100AB: Intro to COMPUTER SCIENCE (C++) OR		
CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Intro to Computer Science (JAVA)		

CIS 163AA: Java Programming: Level I or CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures or CSC 205AC: Object Oriented Programming and Data Structures or CSC 205AD: Object Oriented Programming and Data Structures	3-4 hrs 
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CIS 126DA: UNIX Operating System or CIS 126DL: Linux Operating System	3 hrs
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CNT 140AA: Introduction to Networks	4 hrs
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MAT 227: Discrete Mathematical Structures	3 hrs 	As per "or permission of instructor" in Maricopa's MAT227 course description, academic advisors and other student services personnel are authorized by Maricopa's Math Instructional Council to approve MAT227 registration using either MAT212/213 OR MAT220/221 (and CSC100 or CSC110) as the course prerequisites.
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Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Innovation in Society, BA Pathway**  
**2019-2020**


ASU Major: [Innovation in Society, BA | School for the Future of Innovation in Society](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs 


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs 


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Analysis [CS]  3 hrs The ASU School for the Future of Innovation in Society recommends selecting CIS 105 or CSE 180.

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Innovation in Society B.A. degree program.

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Second Language: Requirement satisfied through the following: \* Completion of secondary education at a school in which the language of instruction is not English; \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; \* Completion of upper division course(s) taught in a foreign language taken in the United States or the relevant country.

0-16 hrs

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Innovation in Society, BS Pathway**  
**2019-2020**



ASU Major: **Innovation in Society, BS | School for the Future of Innovation in Society**

## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR   5-9 hrs



MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR


MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR


MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
 Review or  
 MAT 182: Plane Trigonometry OR


MAT 187: Precalculus


GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Innovation in Society B.S. degree program.

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]



Historical or Global Awareness [H] or [G]



MCCCDCOM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

Technical Electives

0-9 hrs

Select 3 courses that transfer to ASU as any of the following prefixes: AEE, AET, AML, ASM, AST, BIO, BCH, BME, CEE, CHE, CNE, EEE, EET, EGR, FSE, GLG, GPH, IEE, LSE, MAE, MAT, MBB, MEE, MET, MFG, MIC, MSE, PHS, PHY, PLB, OR STP. Courses may simultaneously fulfill any needed AGEC categories.

Lower Division Elective

0-23 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Integrative Health, BS Pathway 2019-2020

ASU Major: [Integrative Health, BS](#) | College of Nursing and Health Innovation


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review  3-6 hrs Or higher level mathematics course that satisfies [MA]


MAT 206: Elements of Statistics or  
PSY 230: Introduction to Statistics or  
SWU 225: Statistics for Social Research/Justice and Government   3 hrs Highly recommend taking [CS] prior to transfer, if course is taken at ASU course must be taken in the first term after transfer.



#### Humanities, Arts, and Design [HU]

HCR 210: Clinical Health Care Ethics  3 hrs

Humanities, Arts, and Design  3 hrs



#### Social-Behavioral Science [SB]

CFS 205: Human Development  3 hrs

PSY 101: Introduction to Psychology   3 hrs


#### Natural Science [SQ, SG]


BIO 205: Microbiology   4 hrs

CHM 130: Fundamental Chemistry and  
CHM 130LL: Fundamental Chemistry Lab  
OR   4 hrs

CHM 130AA: Fundamental Chemistry with  
Lab

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by HCR 220.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by HCR 230.

### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements





Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Integrative Health, BS degree program.



**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 201: Human Anatomy and Physiology	4 hrs 	
BIO 202: Human Anatomy and Physiology	4 hrs 	
FON 241: Principles of Human Nutrition OR FON 241: Principles of Human Nutrition and FON 241LL: Principles of Human Nutrition Laboratory	3-4 hrs	
HCR 220: Introduction to Nursing and Health Care Systems	3 hrs	
HCR 230: Culture and Health	3 hrs	
HCR 240: Human Pathophysiology OR HCR 240AA: Human Pathophysiology I and HCR 240AB: Human Pathophysiology II	4 hrs	
MGT 246: Principles of Project Management or TQM 240: Project Management In Quality Orgs	3 hrs 	
SOC 101: Introduction to Sociology	3 hrs 	
SWU 250: Mindfulness for Stress Management	0-3 hrs	Course can be taken after transfer.

Total Required Credits: 62

# Pathway Agreement

Print

## Maricopa Community College District Integrative Social Science, BS Pathway 2019-2020

ASU Major: [Integrative Social Science, BS](#) | College of Integrative Sciences and Arts

### Pathway Requirements

First Year Composition [FYC]  
ENG 101: First-Year Composition



3 hrs

ENG 102: First-Year Composition



3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]



3 hrs

Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement

3-6 hrs



Computer/Statistics/Quantitative Applications  
[CS]



3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



Natural Science [SQ, SG]

Natural Science [SQ]



4 hrs

Select at least one SQ within the Natural  
Science requirement.

Natural Science [SG]



4 hrs

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Integrative Social Science, BS degree program.

Up to a maximum total number of 75 credits may be transferred to ASU for students on this MAPP.

**MCCCD Additional Requirements**

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

COM 100: Introduction to Human Communication OR 0-3 hrs  
  
COM 110: Interpersonal Communication OR  
COM 225: Public Speaking OR  
COM 230: Small Group Communication

**Additional Lower Division Requirements**

Lower Division Elective 13-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Interdisciplinary Arts and Performance, BA Pathway 2019-2020

ASU Major: [Interdisciplinary Arts and Performance, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs

#### Mathematical Studies [MA, CS]


MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  3 hrs

#### Humanities, Arts, and Design [HU]


Related Area Courses  6 hrs Complete two courses that transfer to ASU as an HU in any of the following prefixes: ART, ARH, DAN, DAH, MUP, MUE, THE, and THP.


#### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs


Social-Behavioral Science  3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Natural Science Requirement: Complete at least one SQ.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements


### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Interdisciplinary Arts and Performances B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
THE 282AC: Service-Learning Experience in Theatre or THE 282AA: Service-Learning Experience in Theatre	3 hrs	Fulfills ASU's IAP Lower Division Elective. If the 1-credit version is taken, it must be repeated for a total of 3 credits to meet the requirement.
THF 219: Advanced Acting for the Camera	0-3 hrs	Fulfill's ASU's IAP Lower Division Elective. Can be taken after transfer.
Lower Division Elective	0-22 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement

Print


## Maricopa Community College District Interdisciplinary Arts and Sciences, BA Pathway 2019-2020


ASU Major: [Interdisciplinary Arts and Sciences, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGCC-A, meets major map requirements at ASU, and guarantees admission to the Interdisciplinary Arts and Sciences B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**  
Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 60**



# Pathway Agreement

Print

**Maricopa Community College District  
Interdisciplinary Studies, BA Pathway  
2019-2020**

ASU Major: [Interdisciplinary Studies, BA | College of Integrative Sciences and Arts](#)

## Pathway Requirements

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
Additional Lower Division Requirements Maricopa AGECE	35 hrs 	Complete courses to complete the Maricopa Arizona General Education Curriculum (AGECE) based on your Associate's degree. A completed AGECE satisfies lower division general studies and first year composition.
Lower Division Concentration Courses	0-12 hrs	Students should refer to the BIS Concentration Checksheet for their two subject areas to determine what if any courses fulfill their subject area requirements and Associate's degree requirements.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGECE-A, AGECE-S, or AGECE-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, AAEE, or AFA) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies degree program.

The Bachelor of Interdisciplinary Studies allows students to take an active role in designing their own major by selecting two subject areas. Students should follow this link: <https://cls.asu.edu/interdisciplinary-studies-t> their two subject areas of interest. Some combinations are not permissible; contact a CISA Academic Advisor (<https://cisa.asu.edu/advising>) for additional information.




# Pathway Agreement


[Print](#)

**Maricopa Community College District  
Interdisciplinary Studies (Organizational Studies), BA Pathway  
2019-2020**

ASU Major: [Interdisciplinary Studies \(Organizational Studies\), BA | College of Integrative Sciences and Arts](#)

## Pathway Requirements

MCCCD Additional Requirements	
COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs

Additional Lower Division Requirements	
Maricopa AGEC	35 hrs  Complete courses to complete the Maricopa Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.
Lower Division Elective	0-40 hrs Lower division electives may be taken to complete associate degree requirements. Up to a maximum total number of 75 credits may be transferred to ASU for students on this pathway.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript and must have their Associate Degree (AA, AB, AS, ASEE, or AFA) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) degree program.

Total Required Credits: 75

# Pathway Agreement



Print



## Maricopa Community College District International Letters and Cultures (Classical Civilization), BA Pathway 2019-2020

ASU Major: [International Letters and Cultures \(Classical Civilization\), BA](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs 


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs 

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

SLC 201: Introduction to Linguistics or  
ENG 213: Introduction to the Study of Language  3 hrs ENG 213 OR SLC 201 can be used to satisfy 3 credits of either Humanities, Arts, and Design [HU] OR Social-Behavioral Sciences [SB].


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs 3 credits of Social-Behavioral Sciences may be met by ENG 213/SLC 201.


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs At least one lab science must be an SQ.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the International Letters and Cultures (Classical Civilization) B.A., degree program.

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs Second Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District International Letters and Cultures (Classics), BA Pathway 2019-2020

ASU Major: [International Letters and Cultures \(Classics\), BA | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review



3-6 hrs

Computer/Statistics/Quantitative Applications  
[CS]



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

ENG 213/SLC 201 may be used to satisfy 3 credits of either Humanities, Fine Arts, and Design (HU) or Social-Behavioral Science (SB). If it is used for SB, then an HU AGEC course must be taken.

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

ENG 213: Introduction to the Study of Language OR



3 hrs

ENG 213 or SLC 201 can be used to satisfy 3 credits of either Humanities, Arts, and Design [HU] OR Social-Behavioral Sciences [SB].

SLC 201: Introduction to Linguistics

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

At least one lab science must be an SQ.

Natural Science [SQ, SG]



4 hrs

At least one lab science must be an SQ.

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the International Letters and Cultures (Classics)-Latin B.A., degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

LAT 101: Elementary Latin I

4 hrs



LAT 102: Elementary Latin II

4 hrs



LAT 201: Intermediate Latin I

0-4 hrs



LAT 201 may satisfy the Humanities, Fine Arts, and Design (HU) requirement or may be taken after transfer to ASU

LAT 202: Intermediate Latin II

0-4 hrs



LAT 202 may satisfy the Humanities, Fine Arts, and Design (HU) requirement or may be taken after transfer to ASU

Lower Division Elective

0-17 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



Print


**Maricopa Community College District**  
**International Trade, BS Pathway**  
**2019-2020**


ASU Major: [International Trade, BS | Thunderbird School of Global Management](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs

Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ course within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the International Trade, BS degree program.

While the International Trade, BS MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. The additional coursework for this option is listed in the track at the bottom of the MAPP. Selecting this option will limit the number of electives available compared to the Associate in Arts because the additional ABUS requirements are taken in their place.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR	0-9 hrs 	ASU's TGM 200 may be completed in the first term after transfer to meet this requirement.
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ACC 111: Accounting Principles I and  
ACC 112: Accounting Principles II and  
ACC 212: Managerial Accounting OR

ACC 211: Financial Accounting and  
ACC 212: Managerial Accounting

COM 163: Intercultural Communication in Everyday Life or COM 263: ELEMENTS OF INTERCULTURAL COMM	3 hrs
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MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs
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SUS 110: Sustainable World	3 hrs
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ABUS Requirements	0 hrs	While the International Trade, BS MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. This track requires students to use Lower Division Electives to complete all of the listed requirements before transferring to ASU. It is recommended that students discuss this option with their advisor in order to best plan the elective credits in order to not exceed the maximum transferable credit range (64).
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Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

**Track/Groups**

**ABUS Requirements**

ABUS Requirements	
GBS 205: Legal, Ethical, And Regulatory Issues in Business AND Business Electives or Programming I & II AND ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR ACC 111: Accounting Principles I or ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR ACC 211: Financial Accounting and ACC 212: Managerial Accounting	Students have the choice of selecting either 6 credits of Business Electives or 6 credits of Programming requirements. Business Electives are required for the ABUS-GR while the Programming courses are required for the ABUS-SR. Completing the ABUS requirements will decrease the number of elective credits available. Discuss with Maricopa Advisor if doing AGECE B option.

# Pathway Agreement



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**Maricopa Community College District**  
**Italian, BA Pathway**  
**2019-2020**

ASU Major: **Italian, BA** | College of Liberal Arts and Sciences


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

ENG 213: Introduction to the Study of or  
 SLC 201: Introduction to Linguistics  3 hrs Three credit hours of Humanities and Fine Arts or Social and Behavioral Sciences may be satisfied by ENG 213 or SLC 201. SLC 201 is preferred.


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs ENG 213 or SLC 201 may be used to satisfy 3 credits of the [SB] AGEC requirement instead of [HU].


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs Three credit hours [G] met by ITA 201.

## Pathway Notes






2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Italian B.A. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.33 cumulative GPA required in all Sun Devil tracking courses: ITA 101/101AA, ITA 102/102AA, ITA 201, ITA 202.



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ITA 101: Elementary Italian I or ITA 101AA: Elementary Italian I	4 hrs 	Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirements courses.
ITA 102: Elementary Italian II or ITA 102AA: Elementary Italian II	4 hrs 	
ITA 201: Intermediate Italian I	4 hrs 	
ITA 202: Intermediate Italian II	4 hrs 	
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



Print



**Maricopa Community College District**  
**Journalism and Mass Communication, BA Pathway**  
**2019-2020**

ASU Major: [Journalism and Mass Communication, BA | Walter Cronkite School of Journalism & Mass Comm](#)



## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]



JRN 201: News Writing   3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs



GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government or  
 PSY 230: Introduction to Statistics   3 hrs SWU 225 offered only at Mesa Community College.


### Humanities, Arts, and Design [HU]

PHI 101: Introduction to Philosophy or  
 PHI 102: Introduction to Philosophy or  
 PHI 103: Introduction to Logic or  
 PHI 105: Introduction to Ethics   3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

ECN 212: Microeconomic Principles or  
 ECN 211: Macroeconomic Principles   3 hrs

MCO 120: Media and Society  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ course within the Natural Science Requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]



## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Journalism & Mass Communication B.A. degree program.

Special Requirements: Students are required to have at least a 3.0 GPA in all transferable hours of college credit earned after high school. All courses must be completed with a grade of "C" or better.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	


**MCCCD Additional Requirements**


COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

HIS 103: United States History to 1865 or HIS 108: United States History 1945 to or HIS 203: African-American History to 1865	3 hrs	
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POS 110: American National Government	3 hrs	
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SOC 101: Introduction to Sociology or PSY 101: Introduction to Psychology	3 hrs	
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Related Area Course	3 hrs	Related Course: Select a course that transfers to ASU with one of the following prefixes: ASB, ASM, ACC, COM, ECN, ENG, FAS, FIN, GCU, GPH, HST, JUS, LES, MGT, MKT, REA, REL, POS, SOC, THE, THP, WST.
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Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	
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Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60



# Pathway Agreement



Print


**Maricopa Community College District**  
**Justice Studies, BA Pathway**  
**2019-2020**


ASU Major: [Justice Studies, BA](#) | [College of Liberal Arts and Sciences](#)


## Pathway Requirements



**First Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


**Literacy and Critical Inquiry [L]**  
 ENG 215: Strategies of Academic Writin or  
 ENG 216: PERSUASIVE WRITING ON  
 PUBLIC or  
 ENG 217: PERSONAL & EXPLORATORY  
 WRITIN  3 hrs


**Mathematical Studies [MA, CS]**  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Lower Division  
 Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


**Humanities, Arts, and Design [HU]**  
 Humanities, Arts, and Design [HU]   3 hrs PHI 101 or PHI 105 are suggested to satisfy 3 credits of Humanities, Fine Arts, and Design (HU).

Humanities, Arts, and Design [HU]  3 hrs Recommend AJS 123

**Social-Behavioral Science [SB]**  
 AJS 101: Introduction To Criminal Just or  
 AJS 200: CURRENT ISSUES IN CRIMINAL  
 JUSTICE  3 hrs

Social-Behavioral Science  3 hrs

**Natural Science [SQ, SG]**  
 Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.



General Education Awareness Areas [C, H, G]


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Justice Studies B.A. degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

<b>MCCCD Additional Requirements</b> COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b>		
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Justice Studies, BS Pathway**  
**2019-2020**

ASU Major: [Justice Studies, BS](#) | [College of Liberal Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]



ENG 215: Strategies of Academic Writin or  
 ENG 216: PERSUASIVE WRITING ON PUBLIC or  
 ENG 217: PERSONAL & EXPLORATORY WRITIN  3 hrs This requirement may be satisfied after transfer to ASU, but a course that satisfies the Literacy and Critical Inquiry requirement will need to be taken instead.

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]   3 hrs PHI 101 or PHI 105 are suggested to satisfy 3 credits of Humanities, Fine Arts, and Design (HU).


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

AJS 200: CURRENT ISSUES IN CRIMINAL  
 JUSTICE or  
 AJS 101: Introduction To Criminal Just  3 hrs

Social-Behavioral Science  3 hrs

### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas [C, H, G]

## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Justice Studies B.S. degree program.

Special Requirements: 2.00 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Cultural Diversity in the U.S. [C] 0-3 hrs 

Historical or Global Awareness [H] or [G] 0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication 0-3 hrs 

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective 11-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



Print



**Maricopa Community College District**  
**Kinesiology, BS Pathway**  
**2019-2020**

ASU Major: [Kinesiology, BS | College of Health Solutions](#)


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

EXS 290: Introduction to Evidence-Based  
 Practice  3 hrs

### Mathematical Studies [MA, CS]

MAT 187: Precalculus OR   5-9 hrs



MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR

MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR

MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR

MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry

PSY 230: Introduction to Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government   3 hrs



Each of the courses satisfy the CS requirement.


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs

Humanities, Arts, and Design  3 hrs

### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science  3 hrs

### Natural Science [SQ, SG]

## Pathway Notes





2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Kinesiology B.S. degree program.

Special Requirements: 3.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better, EXS 101 must be completed with a grade of "B" or better.








BIO 202: Human Anatomy and Physiology	4 hrs	 
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	 
CHM 150AA: General Chemistry I OR		
CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory OR		
CHM 151AA: General Chemistry I		

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements		
BIO 181: General Biology (Majors) I	4 hrs	
BIO 182: General Biology (Majors) II	4 hrs	
BIO 201: Human Anatomy and Physiology	4 hrs	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs	
CHM 152AA: General Chemistry II		
EXS 101: Introduction to Exercise Science, Kinesiology	3 hrs	
PHY 111: General Physics I	4 hrs	

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Latin American Studies, BA Pathway**  
**2019-2020**


ASU Major: [Latin American Studies, BA | New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by SPA 201.

## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Latin American Studies B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
SPA 201: Intermediate Spanish I	4 hrs	
SPA 202: Intermediate Spanish II	4 hrs	
Lower Division Elective	6-17 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement

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**Maricopa Community College District**  
**Liberal Studies, BA Pathway**  
**2019-2020**

ASU Major: [Liberal Studies, BA | College of Integrative Sciences and Arts](#)

## Pathway Requirements

MCCCD Additional Requirements CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
COM 100: Introduction to Human Communication OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3 hrs 	
Additional Lower Division Requirements Maricopa AGECEC	35 hrs 	Complete courses to complete the Maricopa Arizona General Education Curriculum (AGECEC) based on your Associate's degree. A completed AGECEC satisfies lower division general studies and first year composition.
Lower Division Elective	0-40 hrs	Lower division electives may be taken to complete associate degree requirements. Up to a maximum total number of 75 credits may be transferred to ASU for students on this pathway.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGECEC-A, AGECEC-S, or AGECEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Liberal Studies, BLS degree program. The BLS program is available Online and allows students to transfer up to 75 credit hours.

Total Required Credits: 75

# Pathway Agreement



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**Maricopa Community College District  
Management, BS Pathway  
2019-2020**


ASU Major: **Management, BS | W. P. Carey School of Business**



## Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs Recommend COM 225

Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.






Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

<b>ABUS Business Electives</b>	<b>0-6 hrs</b>	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course (SB)	3 hrs 	MGT320 (required for this major at ASU) requires a prerequisite of PSY101 or SOC101.
SOC Course (SB)	3 hrs 	MGT320 (required for this major at ASU) requires a prerequisite of PSY101 or SOC101.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 62**

# Pathway Agreement



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**Maricopa Community College District**  
**Marketing, BS Pathway**  
**2019-2020**


ASU Major: **Marketing, BS | W. P. Carey School of Business**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
 Systems   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles  3 hrs

ECN 212: Microeconomic Principles  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements






This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62



# Pathway Agreement

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Maricopa Community College District



Marketing (Digital and Integrated Marketing Communications), BS Pathway



2019-2020

ASU Major: Marketing (Digital and Integrated Marketing Communications), BS | W. P. Carey School of Business


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs

### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 105: Survey of Computer Information  
Systems   3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles  3 hrs


ECN 212: Microeconomic Principles  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

All courses must be completed with a grade of "C" or better.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.






Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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## Maricopa Community College District Marketing (Professional Sales), BS Pathway 2019-2020

ASU Major: **Marketing (Professional Sales), BS | W. P. Carey School of Business**


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs



CIS 105: Survey of Computer Information  
Systems   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles   3 hrs


ECN 212: Microeconomic Principles   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

#### MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:




- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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**Maricopa Community College District**  
**Mass Communication and Media Studies, BA Pathway**  
**2019-2020**


ASU Major: [Mass Communication and Media Studies, BA | Walter Cronkite School of Journalism & Mass Comm](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL 3 hrs  
 


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL 3 hrs  
 


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry 3 hrs  



Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement 3-6 hrs  



Computer/Statistics/Quantitative Applications 3 hrs  



Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design 3 hrs  



Humanities, Arts, and Design 3 hrs  



Social-Behavioral Science [SB]  
 MCO 120: Media and Society 3 hrs  


Social-Behavioral Science 3 hrs  


Natural Science [SQ, SG]  
 Natural Science 4 hrs  Natural Science Requirement: complete at least one SQ.

Natural Science [SQ, SG] 4 hrs  Natural Science Requirement: complete at least one SQ.

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C] 0-3 hrs  


Historical or Global Awareness [H] or [G] 0-3 hrs  


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Mass Communication and Media Studies B.A. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective 13-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**



















# Pathway Agreement

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## Maricopa Community College District Materials Science and Engineering, BSE Pathway 2019-2020

ASU Major: [Materials Science and Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs  
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs 
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	4-5 hrs  
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4 hrs  
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	4-5 hrs  
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs 
Social-Behavioral Science and AGEC Awareness Areas	3 hrs
	Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.
	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.



### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Materials Science and Engineering degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Students interested in completing the BSE Materials Science and Engineering degree with two additional years at ASU, must complete MSE 250 through concurrent-enrollment or in the summer prior to admission. Students are also strongly encouraged to concurrently enroll in MSE 215 during the fall semester prior to admission to ASU. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I	4 hrs 	This course fulfills Advanced Science Elective
CHM 230: Fundamental Organic Chemistry OR CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Laboratory	3-4 hrs 	This course satisfies a Math or Science elective
ECE 215: Mechanics of Materials	3 hrs	Students should complete MAT 225, and ECE 215 before taking any other Additional Lower Division Requirements listed. Any other Additional Lower Division Requirements listed can be completed after transfer to ASU.
EEE 202: Circuits and Devices	0-5 hrs	This course fulfills a technical elective
MAT 225: Elementary Linear Algebra	3 hrs	
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs	
Social-Behavioral Science and AGEC Awareness Areas	0-3 hrs	

Total Required Credits: 63



# Pathway Agreement



[Print](#)



## Maricopa Community College District Mathematics, BA Pathway 2019-2020

ASU Major: [Mathematics, BA](#) | [College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry  3 hrs

#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs


CSC 100: Introduction to Computer Science  
(C++) or  
CSC 100AA: Introduction to Computer  
Science (C++) or  
CSC 110AA: Introduction to Computer  
Science (Java) or  
CSC 110: Introduction to Computer Science  
(Java) or  
CSC 110AB: Intro to Computer Science  
(JAVA)  3-4 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs



Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

#### Natural Science [SQ, SG]

PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS or  
PHY 115: University Physics I   4-5 hrs

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]



### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Mathematics B.A. degree program.

2.8 cumulative GPA in all Sun Devil Tracking courses: CSC100 or 110, MAT221, MAT231, MAT241, MAT227.


Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**


COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

MAT 276: Modern Differential Equations	4 hrs	
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MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	
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MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	
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Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
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Lower Division Elective	0-12 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Mathematics, BS Pathway 2019-2020



ASU Major: **Mathematics, BS** | College of Liberal Arts and Sciences


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs

CSC 110: Introduction to Computer Science  
(JAVA) or  
CSC 110AA: Introduction to Computer  
Science (JAVA) or  
CSC 110AB: Intro to Computer Science  
(JAVA)  3-4 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  
 3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  
 3 hrs

Natural Science [SQ, SG]  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS   4 hrs

Natural Science [SQ, SG]  4 hrs PHY 131 recommended, but not required

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  
 0-3 hrs

### Pathway Notes






2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Mathematics B.S. degree program.

3.0 cumulative GPA in all Sun Devil Tracking courses: CSC110, CSC110AA, CSC205, CSC205AA, MAT221, MAT231, MAT 241.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b> CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures	3-4 hrs 	
MAT 227: Discrete Mathematical Structures	3 hrs 	May be used as an additional course in the major.
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 	
MAT 262: Differential Equations or MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs	MAT 262, MAT 276, or MAT 277 can be used as an MAT or STP Additional Course
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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## Maricopa Community College District Mathematics (Statistics), BS Pathway 2019-2020



ASU Major: **Mathematics (Statistics), BS | College of Liberal Arts and Sciences**



### Pathway Requirements





First-Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  





Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously. PHI 103: Introduction to Logic (L) recommended.
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Mathematical Studies [MA] MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  
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Humanities, Arts, and Design [HU] Humanities, Arts, and Design	3 hrs 
Humanities, Arts, and Design	3 hrs 

Social-Behavioral Science [SB] Social-Behavioral Science	3 hrs 
Social-Behavioral Science	3 hrs 

Natural Science [SQ, SG] PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4 hrs  
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism	4 hrs  

Subject Options MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  

General Education Awareness Areas [C, H, G]

### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements



Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Sciences degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Mathematics B.S. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 3.0 cumulative GPA in all Sun Devil Tracking courses : CSC110, CSC205, MAT221, MAT231, MAT 241.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>.

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

<b>MCCCD Additional Requirements</b>	
COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	
CRE 101: College Critical Reading	0-3 hrs Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>	
CSC 110: Introduction to Computer Scie or CSC 110AA: Introduction to Computer Scie or CSC 110AB: Intro to Computer Science (JA)	3-4 hrs
CSC 205: Object Oriented Programming a or CSC 205AA: Object Oriented Programming a or CSC 205AB: Object Oriented Programming a or CSC 205AC: Object Oriented Programming a or CSC 205AD: Object Oriented Programming a	3-4 hrs 
MAT 262: Differential Equations or MAT 277: Modern Differential Equations	3 hrs 
Lower Division Elective	0-13 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Mechanical Engineering, BSE Pathway 2019-2020

ASU Major: [Mechanical Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs  
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs 
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs  
CHM 152AA: General Chemistry II	
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	4-5 hrs  
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs 
Social-Behavioral Science and AGEC Awareness Areas	3 hrs 
	Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.
	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Mechanical Engineering degree program. A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Students interested in completing the BSE Mechanical Engineering degree with two additional years at ASU, must complete MAE 241 (Intro to Thermodynamics) and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 105: MATLAB Programming OR CSC 110: Introduction to Computer Scie	1-3 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La	3 hrs	
EEE 202: Circuits and Devices	0-5 hrs	
Humanities, Arts, and Design and AGEC Awareness Areas	0-3 hrs	
Social-Behavioral Science and AGEC Awareness Areas	0-3 hrs	

Total Required Credits: 63



# Pathway Agreement

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## Maricopa Community College District Mechanical Engineering (Computational Mechanics), BSE Pathway 2019-2020

ASU Major: [Mechanical Engineering \(Computational Mechanics\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs
ECE 102: Engineering Analysis Tools and ECE 102AA: Engineering Analysis Tools and Techniques AND	  4 hrs
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	  4-5 hrs
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	  4-5 hrs
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	 3-4 hrs
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	  4-5 hrs
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	  4 hrs
CHM 152AA: General Chemistry II	
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	  4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	  4-5 hrs
Humanities, Arts, and Design and AGEC Awareness Areas	 3 hrs Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.
Social-Behavioral Science and AGEC Awareness Areas	 3 hrs Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Mechanical Engineering (Computational Mechanics) degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Students interested in completing the BSE Mechanical Engineering (Computational Mechanics) degree with two additional years at ASU, must complete MAE 241 (Intro to Thermodynamics) and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

Additional Lower Division Requirements

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
CSC 110: Introduction to Computer Scie or ECE 105: Matlab Programming	1-3 hrs	
ECE 211: Engineering Mechanics- Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La	3 hrs	
EEE 202: Circuits and Devices	0-5 hrs	
Humanities, Arts, and Design and AGEC Awareness Areas	0-3 hrs	
Social-Behavioral Science and AGEC Awareness Areas	0-3 hrs	

Total Required Credits: 63

# Pathway Agreement

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## Maricopa Community College District Mechanical Engineering (Energy and Environment), BSE Pathway 2019-2020

ASU Major: [Mechanical Engineering \(Energy and Environment\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs
ECE 102: Engineering Analysis Tools or ECE 102AA: Engineering Analysis Tools and Techniques AND	 4 hrs
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	  4-5 hrs
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	  4-5 hrs
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	 3-4 hrs
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	  4-5 hrs
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	  4 hrs
CHM 152AA: General Chemistry II	
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	  4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	  4-5 hrs
Humanities, Arts, and Design and AGEC Awareness Areas	 3 hrs Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.
Social-Behavioral Science and AGEC Awareness Areas	 3 hrs Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Mechanical Engineering (Energy and Environment) degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Students interested in completing the BSE Mechanical Engineering (Energy and Environment) degree with two additional years at ASU, must complete MAE 241 (Intro to Thermodynamics) and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

Additional Lower Division Requirements

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 105: MATLAB Programming OR CSC 110: Introduction to Computer Science (Java)	1-3 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering Laboratory	3 hrs	
EEE 202: Circuits and Devices	0-5 hrs	
Humanities, Arts, and Design and AGEC Awareness Areas	0-3 hrs	
Social-Behavioral Science and AGEC Awareness Areas	0-3 hrs	

Total Required Credits: 63

# Pathway Agreement



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## Maricopa Community College District Medical Studies, BS Pathway 2019-2020

ASU Major: [Medical Studies, BS | College of Health Solutions](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR   5-9 hrs


MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR


MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 187: Precalculus



Computer/Statistics/Quantitative Applications  
[CS]  3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Humanities [HU] - PHI 101 is strongly recommended for fulfilling this requirement.



Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs

SOC 101: Introduction to Sociology or  
CFS 205: Human Development or  
ECN 211: Macroeconomic Principles or  
COM 100: Introduction to Human Communication   3 hrs The course chosen among these is dependent upon the student's choice of post-baccalaureate professional school. Please review the ASU major map to determine which course to take.

#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Medical Studies B.S. degree program.

While the Medical Studies B.S. MAPP is listed here as an Associate in Arts/AGEC-A, students have the option to pursue an Associate in Science/AGEC-S. Consult an academic advisor to discuss which associate's degree requirements align best with your educational and career goals. Students pursuing an Associate in Science (AS) degree must complete all AS requirements (refer to Maricopa Community Colleges AS checklist), including MAT220 or MAT221 and Subject Options, and are not required to take Computer/Statistics/Quantitative Applications (CS).

Students will take CHS 300 upon transfer to ASU.

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]

0-3 hrs  Met by HES 210

Historical or Global Awareness [H] or [G] 0-3 hrs 

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs 

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

4-5 hrs 

CHM 150AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR

4 hrs 

CHM 152AA: General Chemistry II

CHM 235: General Organic Chemistry I and  
CHM 235LL: General Organic Chemistry I L

4 hrs 

CHM 236: General Organic Chemistry IIA  
and  
CHM 236LL: General Organic Chemistry II

4 hrs 

HES 210: Cultural Aspects of Health and  
Illness or  
IFS 215: Cultural Context of Health  
Information

3 hrs

Professional Track Courses 8-9 hrs Check the ASU major map for the Professional Track in which you are interested in and select two courses from one of the tracks listed in the Track/Groups section below.

Total Required Credits: 64

Track/Groups

Professional Track Courses

Professional Track Courses	
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR	Occupational Therapy Professional Track. If choosing PHY courses, select PHY 101/101AA OR PHY 111/111AA, not both.
BIO 202: Human Anatomy and Physiology II OR	Professional Track Courses
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics OR	
PHY 111: General Physics I or PHY 111AA: General Physics I	
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR	Pharmacy Professional Track
BIO 202: Human Anatomy and Physiology II OR	Professional Track Courses
BIO 205: Microbiology OR	
PHY 111: General Physics I or PHY 111AA: General Physics I	Physical Therapy Professional

BIO 201: Human Anatomy and Physiology I or Track  
BIO 201XT: Human Anatomy and Physiology I OR Professional  
BIO 202: Human Anatomy and Physiology II OR Track Courses

PHY 111: General Physics I or  
PHY 111AA: General Physics I OR

PHY 112: General Physics II Professional Track Courses

BIO 201: Human Anatomy and Physiology I or Medicine (MD/DO) Professional  
BIO 201XT: Human Anatomy and Physiology I OR Track

BIO 202: Human Anatomy and Physiology II OR

BIO 205: Microbiology OR

PHY 111: General Physics I or  
PHY 111AA: General Physics I OR

PHY 112: General Physics II

BIO 201: Human Anatomy and Physiology I or Optometry Professional Track  
BIO 201XT: Human Anatomy and Physiology I OR

BIO 202: Human Anatomy and Physiology II OR

BIO 205: Microbiology OR

PHY 111: General Physics I or  
PHY 111AA: General Physics I OR

PHY 112: General Physics II

BIO 201: Human Anatomy and Physiology I or Dentistry Professional Track  
BIO 201XT: Human Anatomy and Physiology I OR

BIO 202: Human Anatomy and Physiology II OR

BIO 205: Microbiology OR

PHY 111: General Physics I or  
PHY 111AA: General Physics I OR

PHY 112: General Physics II





# Pathway Agreement


Print



**Maricopa Community College District**  
**Microbiology, BS Pathway**  
**2019-2020**



ASU Major: [Microbiology, BS](#) | College of Liberal Arts and Sciences



## Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science	 3 hrs
Social-Behavioral Science	 3 hrs

<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I	  4 hrs
BIO 182: General Biology (Majors) II	  4 hrs

Subject Options













## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Biology degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Microbiology, BS degree program.



CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs  	
CHM 152AA: General Chemistry II		
<b>General Education Awareness Areas [C, H, G]</b>		
Cultural Diversity in the U.S. [C]	0-3 hrs 	
Historical or Global Awareness [H] or [G]	0-3 hrs 	
<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication OR	0-3 hrs 	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
BIO 220: Biology of Microorganisms	4 hrs 	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR	4-8 hrs 	Complete either CHM 230/230LL, or CHM 235/235LL AND CHM 236/236LL. Pre-Health students should choose two-semester options for chemistry and physics. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a>
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L AND		
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA		
MAT 206: Elements of Statistics OR	3 hrs  	
SWU 225: Statistics for Social Research/Justice and Government OR		
PSY 230: Introduction to Statistics		
PHY 101: Introduction to Physics OR	0-8 hrs 	Students considering graduate school or health professions should complete the PHY 111/113 AND PHY 112/114 sequence. All other students will complete PHY 101. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a>
PHY 111: General Physics I and PHY 112: General Physics II OR		
PHY 101AA: Introduction to Physics		
Lower Division Elective	0-11 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Microbiology (Medical Microbiology), BS Pathway 2019-2020

ASU Major: [Microbiology \(Medical Microbiology\), BS | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies (L and SB) or (L and HU), or (L and COM), or (L and CRE101) requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



Humanities, Arts, and Design [HU]



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



Social-Behavioral Science [SB]



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I



BIO 182: General Biology (Majors) II



#### Subject Options

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR



CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II or  
CHM 152LL: General Chemistry II  
Laboratory OR



CHM 152AA: General Chemistry II

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Biology degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Microbiology (Medical Microbiology),BS degree program.



# Pathway Agreement

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## Maricopa Community College District Molecular Biosciences and Biotechnology, BS Pathway 2019-2020

ASU Major: [Molecular Biosciences and Biotechnology, BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies (L and SB) or (L and HU) or (L and COM) or (L and CRE101) requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

MAT 206: Elements of Statistics OR

SWU 225: Statistics for Social Research/Justice and Government OR

PSY 230: Introduction to Statistics



3 hrs

Although not directly equivalent, these courses are accepted to meet STP231 at ASU.

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

3 hrs



Humanities, Arts, and Design

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science

3 hrs



Social-Behavioral Science

3 hrs



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I



4 hrs

BIO 182: General Biology (Majors) II



4 hrs





Subject Options



### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements




Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science, Biology degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Biological Sciences B.S. degree program.

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4-5 hrs  
CHM 152AA: General Chemistry II OR	
CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements BIO 220: Biology of Microorganisms	0-4 hrs 	Students may complete this course in their first semester at ASU, but are strongly encouraged to complete it prior to transferring.
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR	4-8 hrs 	Pre-health students should take CHM 235 and CHM 235 LL AND CHM 236/236LL instead of CHM 230 and CHM 230LL. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a>
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L AND		
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry II		
PHY 101: Introduction to Physics OR	0-8 hrs 	Pre-Health should take PHY 111 and PHY 112. See pre-health website for more information: <a href="http://prehealth.asu.edu.explore/curriculum">http://prehealth.asu.edu.explore/curriculum</a>
PHY 111: General Physics I and PHY 112: General Physics II		
Lower Division Elective	0-15 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60
















# Pathway Agreement

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**Maricopa Community College District**  
**Music, BA Pathway**  
**2019-2020**

ASU Major: **Music, BA | Herberger Institute for Design and the Arts**

## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 	
<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	3 hrs		
<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs		
MTC 180: COMPUTER LITERACY for MUSICIANS	3 hrs		
<b>Humanities, Arts, and Design [HU]</b> MHL 194: Music and Culture	3 hrs		MHL 194 also fulfills Global [G] awareness area. Can be taken after transfer to ASU.
<b>Humanities, Arts, and Design [HU]</b>	3 hrs		
<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs		
Social-Behavioral Science [SB]	3 hrs		
<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs		Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs		Select at least one [SQ] within the Natural Science requirement.
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs		[C] may be completed simultaneously with any outstanding AGEC requirements.
Historical or Global Awareness [H] or [G]	0 hrs		[G] satisfied by MHL 194.

MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

- Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts and AGEC-A, meets major map requirements at ASU.

- Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to [asu.edu/admissions](http://asu.edu/admissions) for application and audition deadlines.

- Students wishing to pursue a Bachelor's of Music in Performance (Orchestral Instrument, Voice, Keyboard, Music Theatre, Jazz, Guitar, Collaborative piano); Music Education, Music Therapy (Orchestral Instrument, Voice, Keyboard, Guitar); Music Composition (Orchestral Instrument, Voice, Keyboard, Guitar) should meet with a Herberger Institute enrollment representative to discuss audition preparation by their second term of study at the community college.



- The Bachelor of Music degree requires successful completion of an audition (live or recording) demonstrating a high level of musicianship. Depending on studio placement after the audition, newly admitted transfer students may require more than 2 years of study at ASU.

- **Class Piano:** Each music degree requires completion of class piano courses or equivalent proficiency demonstrated through a Piano Diagnostic Exam. Students who have completed MUP 131 at Maricopa Community Colleges will automatically receive equivalent course credit at ASU. Transfer students are encouraged to take the Piano Diagnostic Exam when they are in their last semester of class piano at the community college or other institution, or immediately upon transfer to ASU. Students can take a Piano Diagnostic Exam to test out of any of the Class Piano Requirement for their degree. Please refer to [music.asu.edu/resources/new-students/diagnos](http://music.asu.edu/resources/new-students/diagnos) for the *Piano Diagnostic Exam requirements* for each of the four semesters. The Piano Diagnostic Exam may be taken in-person or submitted by video.

- **Private Lessons/Studio Instruction:** Private lessons from prior institutions do not transfer automatically. Transfer students placed in MUP 111/127 will receive credit for three semesters of MUP 111 from a community college or other institution after they successfully complete their end-of-semester juries to

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Met by COM 225
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

MTC 105: Music Theory I and MTC 106: Aural Perception I	4 hrs	
MTC 155: Music Theory II and MTC 156: Aural Perception II	4 hrs	
MTC 205: Music Theory III and MTC 206: Aural Perception III	4 hrs 	
MTC 255: Music Theory IV and MTC 256: Aural Perception IV	4 hrs 	
MUP 102: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 152: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 202: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 252: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
Second Language Requirement satisfied through the following: Completion of language course at the intermediate level (course must transfer to ASU at the 202 level or above). American Sign Language does not fulfill the degree requirements.	0-16 hrs	Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	0-5 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 64

advance to MUP 311/327 at ASU. Transfer students who place in MUP 311/327 upon auditioning to ASU will receive credit for four semesters of MUP 111 from a community college or other institution.

**• Large Performance Ensemble:**  
Ensemble credits from prior institutions do not transfer automatically. Transfer students placed in MUP 111/127 will receive credits for three semesters of MUP 111 from a community college or other institution when they successfully complete their end-of-semester juries to advance to MUP 311/327 at ASU. Transfer students who place in MUP 311/327 upon auditioning to ASU will receive credit for four semesters of MUP 111 from a community college or other institution.

• Diction for Singers (Italian, German, French) – Diction courses are required for BM in Performance (Voice). All courses must be completed with a "C" or better.

• MHL 241 and MHL 242: Transferring students who have completed MHL 241 and/or 242 are not required to take MHL 341 and/or 342 at ASU. Students who take these courses may elect alternate upper division MHL courses at ASU.

• Students interested in pursuing a degree BA in Music and BA in Music (Music and Culture) are required to complete a foreign language through the intermediate level (202 or equivalent).

• Additional recommended course options - (a max. of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college).

**Bachelor of Music in Music Education**

(Acceptance into the School of Music is contingent upon a successful audition and interview the semester before transferring to ASU)

- Intro to the Exceptional Child
- United States and Arizona Social Studies
- Computer Literacy for Musicians

**Bachelor of Music in Music Therapy**

(Acceptance into the School of Music is contingent upon a successful audition and interview the semester before transferring to ASU)

- Human Anatomy and Physiology
- Human Development
- Introduction to the Exceptional Child
- Intro to Psychology
- Intro to Sociology
- Intro to Stats or Elements of Stats or Stats for Social Research/Justice & Government

# Pathway Agreement



[Print](#)



## Maricopa Community College District Nonprofit Leadership and Management, BS Pathway 2019-2020

ASU Major: [Nonprofit Leadership and Management, BS | College of Public Service and Community Solutions](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  
(CS)  3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

AJS 101: Introduction To Criminal Justice  3 hrs AJS 101 satisfies one of the two courses for the  
Public Programs Interdisciplinary requirement.


SOC 101: Introduction to Sociology   3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science  4 hrs Select at least one SQ within the Natural  
Science requirement.

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes


2.0 GPA in coursework used to satisfy  
MAPP requirements. All courses must  
be completed with a grade of C or  
greater.

### Special Requirements

Completion of the MAPP and all special  
requirements satisfies the requirements  
for MCCC Associate in Arts degree  
and AGEC-A, meets major map  
requirements at ASU, and guarantees  
admission to the Nonprofit Leadership &  
Management B.S. degree program.



**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	Met by COM 225
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 259: COMMUNICATION IN BUSINESS & PROFESSIONS and COM 263: ELEMENTS OF INTERCULTURAL COMM	6 hrs	
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: PROGRAMMING OF RECREATION SERVICES	3 hrs	
SWU 171: Introduction to Social Welfare	3 hrs	SWU 171 satisfies one of the two courses for the Public Programs Interdisciplinary requirement.
Lower Division Elective	0-10 hrs	Lower Division Electives may include REC 250 and REC 120 if desired.

**Total Required Credits: 60**

# Pathway Agreement


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**Maricopa Community College District**  
**Nursing, BSN Pathway**  
**2019-2020**

ASU Major: **Nursing, BSN | College of Nursing and Health Innovation**


## Pathway Requirements

### First Year Composition

ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs


### Mathematical Studies

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review or  
 MAT 146: College Mathematics with Review or  
 Higher level course that meets MA requirement  3-6 hrs May be satisfied by any course that transfers to ASU with a MA designation as shown in the Course Equivalency Guide.


### Humanities, Arts, and Design


Humanities, Arts, and Design 3 hrs

### Social-Behavioral Science

PSY 101: Introduction to Psychology  3 hrs

### Natural Science

BIO 202: Human Anatomy and Physiology II  4 hrs

CHM 130: Fundamental Chemistry and  
 CHM 130LL: Fundamental Chemistry  
 Laborat OR  4 hrs

CHM 130AA: Fundamental Chemistry with  
 Lab


### AGEC Awareness Areas


Cultural Diversity in the US, Historical or Global 0 hrs ASU requires all three awareness areas (C, G, and H) for graduation. Student may select an HU General Education course that concurrently satisfies C, G, and/or H. Awareness areas may be completed at the community college or after transferring to ASU.

### MCCCD Additional Requirements

CRE 101: College Critical Reading 0-3 hrs CRE 101 or equivalent.

### Additional Lower Division Requirements

BIO 156: Introductory Biology for Alli or  
 BIO 181: General Biology (Majors) I  0-4 hrs

BIO 201: Human Anatomy and Physiology I  4 hrs

## Pathway Notes

There are no notes for this pathway

## Special Requirements



Completion of the Maricopa-ASU RN-BSN or Concurrent Enrollment (CEP) Pathway Programs and the special requirements satisfies the requirements for MCCC Associate of Applied Science degree, satisfies lower division RN-BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN-BSN program.

Special Requirements: A grade of "C" or better in each course and a minimum 2.50 cumulative GPA in the following courses is required for guaranteed admission: ENG 101, ENG 102, (or ENG 107, ENG 108) BIO 201, BIO 202, BIO 205, CHM 130 with lab, and PSY 101. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.50 cumulative GPA computation. All remaining courses must be completed with a grade of "C" or better.

Students in the RN-BSN option must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR).

All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.

ASU will accept up to 75 transfer credit hours from an Arizona community college for the BSN. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

BIO 205: Microbiology	4 hrs	
NUR 152: Nursing Theory and Science I	9 hrs	
NUR 172: Nursing Theory and Science II	9 hrs	
NUR 252: Nursing Theory and Science III	9 hrs	
NUR 283: Nursing Theory and Science IV	9 hrs	
PSY 230: Introduction to Statistics OR	3 hrs	
MAT 206: Elements of Statistics OR		
GBS 221: Business Statistics		

Total Required Credits: 70

# Pathway Agreement



Print



**Maricopa Community College District**  
**Nutrition, BS Pathway**  
**2019-2020**

ASU Major: [Nutrition, BS | College of Health Solutions](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs recommend COM 225


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs



Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs



Humanities, Arts, and Design  3 hrs

### Social-Behavioral Science [SB]



Social-Behavioral Science [SB]   3 hrs

Social-Behavioral Science [SB]   3 hrs

### Natural Science [SQ, SG]

CHM 130: Fundamental Chemistry and  
 CHM 130LL: Fundamental Chemistry  
 Laborat OR   4 hrs

CHM 130AA: Fundamental Chemistry with  
 Lab

BIO 205: Microbiology or  
 BIO 160: Intro To Human Anatomy & Physiology   4 hrs MCCC'D's BIO 160 is an acceptable course  
 substitution for ASU's BIO 160.

General Education Awareness Areas [C, H, G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC'D Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Nutrition B.S. degree program. Upon transfer, students will choose one of the tracks to complete: Nutrition Communication, Food Studies, or Food Management.

Cultural Diversity in the U.S. [C]	0 hrs	Satisfied by HES 210/IFS 215.
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Historical or Global Awareness [H] or [G]	0-3 hrs	
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**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	COM 100 and COM 225 also meet Nutrition Communication Professional Track.
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

FON 100: Introductory Nutrition or FON 241: Principles of Human Nutrition	3 hrs
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FON 142AB: Applied Food Principles	3 hrs
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Professional Track Course	0-9 hrs	This requirement may be completed after transfer to ASU. Students may complete any number of courses from one track corresponding to the professional concentration chosen for the major. Courses may be used to satisfy any eligible, outstanding AGEC requirements.
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Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

**Track/Groups**

Professional Track Course

Professional Track Course	
HRM 160: Tourism Principles And Practices	Food Management Track Electives

Professional Track Course	
COM 100: Introduction to Human Communication OR	Nutrition Communication Professional Track
COM 207: Intro to COMMUNICATION INQUIRY OR	
COM 225: Public Speaking	


















# Pathway Agreement

[Print](#)

**Maricopa Community College District**  
**Nutrition (Dietetics), BS Pathway**  
**2019-2020**

ASU Major: [Nutrition \(Dietetics\), BS](#) | College of Health Solutions

## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs
<b>Literacy and Critical Inquiry [L]</b> EXS 290: Introduction to Evidence-Based Practice	 3 hrs
<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
GBS 221: Business Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government or PSY 230: Introduction to Statistics	  3 hrs
<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs
<b>Social-Behavioral Science [SB]</b> PSY 101: Introduction to Psychology	  3 hrs
Social-Behavioral Science [SB]	 3 hrs
<b>Natural Science [SQ, SG]</b> CHM 130: Fundamental Chemistry and CHM 130LL: Fundamental Chemistry Laborat OR	  4 hrs
CHM 130AA: Fundamental Chemistry with Lab	
BIO 201: Human Anatomy and Physiology I	  4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Nutrition (Dietetics) B.S. degree program.


All courses must be completed with a grade of "C" or better.

ASU's Nutrition (Dietetics) BS degree meets the Academy of Nutrition and Dietetics Didactic Program in Dietetics (DPD) requirements which qualifies students to apply for a Dietetic Internship.

Students must maintain a 3.0 cumulative gpa to remain in the major at ASU.




Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

BIO 202: Human Anatomy and Physiology II	4 hrs	
BIO 205: Microbiology	4 hrs	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Laboratory	4 hrs	
FON 125: Introduction to Professions in Food, Nutrition, and Dietetics	1 hrs	

FON 142AB: Applied Food Principles	0-3 hrs	FON 142AB may be taken after transfer to ASU.
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FON 241: Principles of Human Nutrition	3 hrs	
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Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. CHS 100 will need to be taken after transfer.
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Total Required Credits: 60

# Pathway Agreement



[Print](#)


**Maricopa Community College District  
Nutrition (Human Nutrition), BS Pathway  
2019-2020**



ASU Major: [Nutrition \(Human Nutrition\), BS | College of Health Solutions](#)

## Pathway Requirements

First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
EXS 290: Introduction to Evidence-Based  
Practice  3 hrs

Mathematical Studies [MA, CS]  
MAT 187: Precalculus OR   5-9 hrs



MAT 150: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR


MAT 151: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR


MAT 152: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR


MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry

GBS 221: Business Statistics or  
PSY 230: Introduction to Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government   3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design  3 hrs

Humanities, Arts, and Design  3 hrs

Social-Behavioral Science [SB]  
Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.





## Special Requirements



Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Nutrition (Human Nutrition) B.S. degree program.


Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

ASU's Nutrition (Human Nutrition) BS degree does not meet the Academy of Nutrition and Dietetics Didactic Program in Dietetics (DPD) requirements, thus does not qualify students to apply for a Dietetic Internship.






CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I OR	
CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs  
CHM 152AA: General Chemistry II	

General Education Awareness Areas [C, H, G]	
Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements	
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent
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Additional Lower Division Requirements	
BIO 181: General Biology (Majors) I	4 hrs 
BIO 182: General Biology (Majors) II	4 hrs 
BIO 201: Human Anatomy and Physiology	4 hrs 
BIO 202: Human Anatomy and Physiology	4 hrs 
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L OR	4 hrs 
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Laboratory	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory OR	0-5 hrs 
CHM 238: General Organic Chemistry IIB and CHM 238LL: GENERAL ORGANIC CHEMISTRY IIB LAB	
FON 142AB: Applied Food Principles	3 hrs
FON 241: Principles of Human Nutrition	3 hrs
Lower Division Elective	0-1 hrs

Students who wish to apply to medical school or dental school should take 8 semester hours of organic chemistry. These students should enroll in CHM 235 and CHM 235LL.

Note that only 64 credit hours will transfer to ASU. Students who wish to apply to medical school or dental school should take 8 semester hours of organic chemistry these student should enroll in CHM 236 and CHM 236LL. This can be taken after transfer.

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 64

# Pathway Agreement

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## Maricopa Community College District Organizational Leadership, BA Pathway 2019-2020

ASU Major: [Organizational Leadership, BA | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### MCCCD Additional Requirements

COM 100: Introduction to Human Communication OR

0-3 hrs



May be shared with AGEC requirements: See [aztransfer.com](http://aztransfer.com) CEG for approved general education courses.

COM 110: Interpersonal Communication OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent. CRE 101 may be used to meet Literacy and Critical Inquiry [L].

#### Additional Lower Division Requirements

Maricopa AGEC - A, B, or S

35 hrs



Complete courses to complete the Maricopa Arizona General Education Curriculum (AGEC) - A, B, or S based on your Associate's degree. A completed AGEC satisfies ASU's lower division general studies and first year composition.

MGT 229: Management and Leadership I 3 hrs

MGT 230: Management and Leadership II

0-3 hrs

Can be taken after transfer but strongly recommended to complete before transfer.

Lower Division Elective

28-37 hrs

Lower division electives may be taken to complete associate degree requirements. Up to a maximum total number of 75 credits may be transferred to ASU for students on this pathway.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA. degree program.

Special requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Total Required Credits: 75





# Pathway Agreement


Print



**Maricopa Community College District  
Parks and Recreation Management, BS Pathway  
2019-2020**



ASU Major: [Parks and Recreation Management, BS | College of Public Service and Community Solutions](#)


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
Lower Division Computer/Statistics/Quantitative Applications	 3 hrs


<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> REC 120: Leisure and the Quality of Life	 3 hrs
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<b>Social-Behavioral Science [SB]</b>	 3 hrs	The following courses from the Interdisciplinary Requirement Areas would all fulfill three credits of the Social & Behavioral Sciences AGEC requirement: AJS 101, AJS 225, AJS 270, PAD 200, and SWU 171.
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
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Historical or Global Awareness [H] or [G]	 0-3 hrs	SWU 171 from the Interdisciplinary Requirement Areas would fulfill the Historical Awareness requirement
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## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Parks & Recreation Management B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	MCCCD COM Requirement: Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

EXS 150: Introduction to Sports Management	3 hrs	EXS 150: ASU Parks & Recreation Management BS requires 7 courses to fulfill the PRM Related Area requirement for graduation. The remaining 6 courses will be completed after transfer to ASU.
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: PROGRAMMING OF RECREATION SERVICES	3 hrs	Fulfills ASU's PRM 203 requirement.
Interdisciplinary Requirement	3-6 hrs	Select at least two courses from two different Interdisciplinary Requirement Area tracks.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**Interdisciplinary Requirement**

Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just OR	Interdisciplinary Requirement Area #1
AJS 212: Juvenile Justice Procedures OR	<b>Interdisciplinary Requirement</b>
AJS 225: Criminology OR	
AJS 109: Substantive Criminal Law OR	<b>Interdisciplinary Requirement</b>
AJS 270: Community Relations	
PAD 100: 21st Century Public Policy and Service OR	Interdisciplinary Requirement Area #2
PAD 200: Public Affairs Economics	
SWU 171: Introduction to Social Welfare	Interdisciplinary Requirement Area #3

# Pathway Agreement

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## Maricopa Community College District



### Parks and Recreation Management (Therapeutic Recreation), BS Pathway



2019-2020

ASU Major: [Parks and Recreation Management \(Therapeutic Recreation\), BS](#) | College of Public Service and Community Solutions


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs Literacy & Critical Inquiry: Meets MCCCDD Additional Communication Requirement below.

##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs May be met with SWU183. See note on SWU183 in Additional Lower Division Requirements section below.


Humanities, Arts, and Design [HU]  3 hrs



##### Social-Behavioral Science [SB]

CFS 205: Human Development  3 hrs


REC 120: Leisure and the Quality of Life  3 hrs


##### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Lower Division Natural Science: Must be SQ-Science Quantitative.

BIO 201: Human Anatomy and Physiology   4 hrs

##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Parks & Recreation Management (Therapeutic Recreation) B.S. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	MCCCD COM Requirement: Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Just	3 hrs	
PSY 101: Introduction to Psychology	3 hrs 	
PSY 266: Abnormal Psychology	3 hrs	PSY 266 transfers as lower division credit.
REC 210: Leisure Delivery Systems	3 hrs	
EXS 101: Introduction to Exercise Science	3 hrs	
REC 230: Programming of Recreation Services	3 hrs	Fulfills ASU's PRM 203 requirement.
SWU 183: Introductory Ethics: A Social Service Perspective	3 hrs	
Lower Division Elective	0-4 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Performance and Movement, BA Pathway 2019-2020

ASU Major: [Performance and Movement, BA | Herberger Institute for Design and the Arts](#)



### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


THE 220: Modern Drama   3 hrs THE 220 can count as [L] or [HU], but not both.


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs It is recommended to select a course which satisfies [HU] and awareness area [C, H, or G] requirements simultaneously.


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs It is recommended to select a course which satisfies [SB] and awareness area [C, H, or G] requirements simultaneously.


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

- Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU.
- Prospective transfer students for the BA in Performance and Movement (Dance and Theatre) program need to complete 8 credits from selected dance courses from MCCC to fulfill lower division Physical Practices requirement.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

THP 112: Acting I 3 hrs

THP 217: Intro to Design Scenography 3 hrs

THP 214: Directing Techniques or  
THE 118: Playwriting 3 hrs

Performance and Movement (Dance and Theatre) Lower Division Dance Elective 0-8 hrs Choose 8 credits of dance courses to fulfill specific lower division Physical Practices requirements at ASU from the course list below.

Lower Division Elective 0-16 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

Performance and Movement (Dance and Theatre) Lower Division Dance Elective

**Performance and Movement (Dance and Theatre) Lower Division Dance Elective**

- DAN 101AA: Social Dance: Ballroom or
- DAN 101AB: Social Dance: Swing or
- DAN 101AC: Social Dance: Latin or
- DAN 102AA: Hip Hop I or
- DAN 102AB: Hip Hop II or
- DAN 104AA: Ballroom I or
- DAN 104AB: Ballroom II or
- DAN 129: Musical Theatre Dance I or
- DAN 130: Musical Theatre Dance II or
- DAN 131: Ballet I or
- DAN 132: Modern Dance I or
- DAN 134: Ballet II or
- DAN 135: Modern Dance II or
- DAN 202AA: Hip Hop III or
- DAN 202AB: Hip Hop IV or
- DAN 231: Ballet III or
- DAN 231AA: Ballet III: Intensive or
- DAN 231PA: Ballet Intermediate Level or
- DAN 232: Modern Dance III or
- DAN 232AA: Modern Dance III: Intensive or
- DAN 232PA: Modern Dance Intermediate Level or
- DAN 234: Ballet IV or
- DAN 234AA: Ballet IV: Intensive or
- DAN 235: Modern Dance IV or
- DAN 235AA: Modern Dance IV: Intensive





















# Pathway Agreement

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## Maricopa Community College District Pharmacology and Toxicology, BS Pathway 2019-2020

ASU Major: [Pharmacology and Toxicology, BS | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs
<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus	 3-4 hrs
GBS 221: Business Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government	  3 hrs
<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs
<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs
<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	  4-5 hrs
BIO 182: General Biology (Majors) II	  4 hrs
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements





### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Pharmacology and Toxicology, B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs 	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I	4 hrs 	
BIO 202: Human Anatomy and Physiology II	0-4 hrs 	Students may fulfill this requirement after transfer to ASU.
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	4-5 hrs 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II OR  CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Lab	4-5 hrs 	
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Lab	4 hrs 	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory	4 hrs 	
PHY 111: General Physics I or PHY 111AA: General Physics I	4-5 hrs 	
PHY 112: General Physics II	0-4 hrs 	Students may fulfill this requirement after transfer to ASU.
Lower Division Elective	0-1 hrs 	Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Philosophy, BA Pathway**  
**2019-2020**


ASU Major: [Philosophy, BA](#) | College of Liberal Arts and Sciences


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 PHI 103: Introduction to Logic   3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  3 hrs


Humanities, Arts, and Design [HU]  
 PHI 101: Introduction to Philosophy or  
 PHI 102: Introduction to Philosophy or  
 PHI 105: Introduction to Ethics or  
 PHI 212: Contemporary Moral Issues   3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science  3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
 Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Philosophy B.A. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

0-16 hrs

Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective

0-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



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**Maricopa Community College District**  
**Philosophy, Religion and Society, BA Pathway**  
**2019-2020**


ASU Major: [Philosophy, Religion and Society, BA | New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  3 hrs


Humanities, Arts, and Design [HU]  
 PHI 101: Introduction to Philosophy   3 hrs


REL 100: World Religions  3 hrs REL 100 also meets Global [G] Awareness requirement.


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs 3 hours [G] satisfied by REL 100.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Philosophy, Religion and Society, B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PHI 103: Introduction to Logic or  
PHI 105: Introduction to Ethics

3 hrs  


PHI 103 may be used to fulfill [L] requirement.

**Related Area Courses**

6 hrs

Select 2 courses that transfer to ASU as direct equivalents or departmental elective credit (DEC) in the Maricopa prefix: ENG/ENH, HIS, PHI, REL, SPA, or WST.

**Lower Division Elective**

0-16 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement

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**Maricopa Community College District**  
**Physics, BA Pathway**  
**2019-2020**

ASU Major: [Physics, BA](#) | College of Liberal Arts and Sciences


## Pathway Requirements


First-Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  0-3 hrs Recommend selecting a course that satisfies (L and SB) or (L and HU), or (L and COM), or (L and CRE101) requirements simultaneously.

Mathematical Studies [MA]  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 PHY 121: UNIVERSITY PHYSICS I:  
 MECHANICS or  
 PHY 115: University Physics I   4-5 hrs

PHY 131: University Physics II: Electricity  
 and Magnetism or  
 PHY 116: University Physics II   4-5 hrs

Subject Options  
 MAT 230: Calculus with Analytic Geometry II  
 or  
 MAT 231: Calculus with Analytic Geometry II   4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
 or  
 MAT 241: Calculus with Analytic Geometry III   4-5 hrs



General Education Awareness Areas [C, H, G]


## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Physics degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Physics, BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I		
PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	0-4 hrs	If taking PHY 241 at the community college, MAT 276 or 277 (Modern Differential Equations) and MAT 225 (Elementary Linear Algebra) should also be taken. Students who do not take MAT 276/277 and MAT 225 will need to take PHY 201 at ASU before continuing on.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	0-18 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement



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**Maricopa Community College District**  
**Physics, BS Pathway**  
**2019-2020**

ASU Major: [Physics, BS](#) | [College of Liberal Arts and Sciences](#)


## Pathway Requirements

### First-Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  0-3 hrs Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements.

### Mathematical Studies [MA]


MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs



Humanities, Arts, and Design  3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs



Social-Behavioral Science  3 hrs



### Natural Science [SQ, SG]

PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS or  
PHY 115: University Physics I   4-5 hrs

PHY 131: University Physics II: Electricity  
and Magnetism or  
PHY 116: University Physics II   4-5 hrs

### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II   4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III   4-5 hrs



General Education Awareness Areas [C, H, G]

## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Physics degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Physics, BS degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	0-4 hrs	If taking PHY 241 at the community college MAT 276 or 277: Modern Differential Equations AND MAT 225: Elementary Linear Algebra should also be taken. Students who do not take differential equations and linear algebra will need to take PHY 201 at ASU before continuing on.
Lower Division Elective	0-22 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Political Science, BA Pathway**  
**2019-2020**


ASU Major: **Political Science, BA | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements


**First Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

**Literacy and Critical Inquiry [L]**  
 Literacy and Critical Inquiry [L]  3 hrs

**Mathematical Studies [MA, CS]**  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 Higher level math course that meets [MA]  
 requirement.  3-6 hrs


Computer/Statistics/Quantitative Applications  3 hrs

**Humanities, Arts, and Design [HU]**  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


**Social-Behavioral Science [SB]**  
 POS 110: American National Government   3 hrs

POS 120: World Politics or  
 POS 140: Comparative Government   3 hrs

**Natural Science [SQ, SG]**  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science [SQ, SG]  4 hrs

**General Education Awareness Areas [C, H, G]**  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs 3 hrs [G] satisfied by POS 120/POS 140 course  
 option.

## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Political Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Political Science, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

MCCCDC Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
POS 210: Political Ideologies	3 hrs	
Lower Division Political Science Elective	3 hrs	Select course that transfers to ASU with the POS prefix.
Related Area Courses	9 hrs	Select 3 courses that transfer to ASU as direct equivalencies or department elective credit (DEC) in the following ASU prefixes: ASB, COM, ECN, GCU, HST, JHR, POS, PSY, SBS, SOC, or WST. ASU requires 12 hours of related coursework. 9 hours to be completed prior to transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-10 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Political Science, BA Pathway**  
**2019-2020**


ASU Major: [Political Science, BA](#) | College of Liberal Arts and Sciences


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 POS 110: American National Government   3 hrs

POS 210: Political Ideologies  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs 3 hours [G] met by POS 120/POS 140.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Political Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Political Science, BA degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



0-3 hrs

COM 225 may be used to meet the Literacy and Critical Inquiry ("L") requirement.

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

POS 120: World Politics or  
 POS 140: Comparative Government



3 hrs

Related Area Elective

0-12 hrs

Choose four Related Area courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. Four courses fulfill the Related Area requirement. This requirement may be met within the AGEC-A. Twelve hours of related field coursework is required for graduation and may be satisfied at the lower division level or completed after transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

POS Elective

3 hrs

Select one course that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) in the POS prefix.

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

0-16 hrs

Lower division second language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective

0-19 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Political Science, BS Pathway**  
**2019-2020**

ASU Major: **Political Science, BS | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs



Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs


POS 120: World Politics or  
 POS 140: Comparative Government   3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs 3 hours [G] satisfied by POS 120/POS 140  
 requirement.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Political Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Political Science, BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

POS 210: Political Ideologies 3 hrs

POS Elective 3 hrs Select 3 credits that transfer to ASU with the POS prefix.

Related Area Courses 12 hrs Select 12 credits that transfer to ASU as direct equivalencies or departmental elective credit (DEC) in the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. ASU requires 12 hours of related coursework. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective 0-7 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**



# Pathway Agreement



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**Maricopa Community College District**  
**Political Science, BS Pathway**  
**2019-2020**

ASU Major: [Political Science, BS](#) | College of Liberal Arts and Sciences


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs



Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs


POS 210: Political Ideologies  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs 3 hours [G] met by POS 120/POS 140.


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Political Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Political Science, BS degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

POS 120: World Politics or POS 140: Comparative Government	3 hrs 	POS 120 or POS 140 also fulfills Global Awareness [G]
Related Area Courses	0-12 hrs	Choose four Related Area courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. Four courses fulfill the Related Area requirement. This requirement may be met within the AGEC-A. Twelve hours of Related Area requirement is required for graduation and may be satisfied at the lower division level or may be completed after transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
POS Elective	6 hrs	Select two courses that transfer to ASU as a direct equivalencies or Departmental Elective credits (DEC) in the POS prefix.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Political Science, BS Pathway**  
**2019-2020**


ASU Major: [Political Science, BS](#) | College of Integrative Sciences and Arts


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 POS 110: American National Government   3 hrs

POS 120: World Politics or  
 POS 140: Comparative Government  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs 3 hours [G] satisfied by POS 120/POS 140.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Political Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Political Science, BS degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs 

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

POS 210: Political Ideologies

3 hrs 

POS Elective 3 hrs Select 3 credits that transfer to ASU with the POS prefix.

Related Area Courses 12 hrs Select 12 credits that transfer to ASU as direct equivalencies or departmental elective credit (DEC) in the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. ASU requires 12 hours of related coursework. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective 0-7 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



Print



## Maricopa Community College District Politics and the Economy, BS Pathway 2019-2020

ASU Major: [Politics and the Economy, BS](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs Students considering graduate work in economics should select MAT 220 (5 credits) or MAT 221 (4 credits) instead of MAT 212/213.


Computer/Statistics/Quantitative Applications [CS]  3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

POS 110: American National Government  3 hrs


POS 120: World Politics or  
POS 140: Comparative Government   3 hrs POS 120 and POS 140 will also satisfy the Global Awareness (G)


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs POS120 and POS140 will satisfy Global Awareness (G)



MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Politics and the Economy, BS program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ECN 211: Macroeconomic Principles	3 hrs	
ECN 212: Microeconomic Principles	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-5 hrs	Students considering graduate work in economics should select MAT 230 (5 credits) or 231 (4 credits) instead of MAT 217/218.
POS 210: Political Ideologies	3 hrs	
Lower Division Elective	1-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print

**Maricopa Community College District**  
**Psychology, BA Pathway**  
**2019-2020**



ASU Major: [Psychology, BA | New College of Interdisciplinary Arts and Sciences](#)

## Pathway Requirements



First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L] 3 hrs

Mathematical Studies [MA, CS]  
 MAT 172: Finite Mathematics or  
 MAT 187: Precalculus or  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR   3-9 hrs


MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 higher level course that meets MA  
 requirement

CIS 105: Survey of Computer Information  
 Systems or   3-4 hrs  
 CSC 180: Computer Literacy or  
 CSC 180AA: Computer Literacy or  
 CSC 180AB: Computer Literacy

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs

Humanities, Arts, and Design  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BA degree program.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs 	PSY 290AB or PSY 290AC may be applied as Natural Science [SG] or Literacy and Critical Inquiry [L], but not both.
Natural Science	4 hrs 	Select at least one SQ within the Natural Science requirement.

**General Education Awareness Areas [C, H, G]**


Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

PSY 230: Introduction to Statistics	3 hrs 
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Related Area Courses	9 hrs	Select courses that transfer as a direct equivalent or departmental elective credit (DEC) in the following prefixes: ASB, COM, POS, PSY, or SOC.
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Lower Division Elective	0-13 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.
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Total Required Credits: 60



# Pathway Agreement

[Print](#)

## Maricopa Community College District Psychology, BA Pathway 2019-2020

ASU Major: [Psychology, BA](#) | [College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

PSY 290AB: Research Methods or  
PSY 290AC: Research Methods



4 hrs

Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.

#### Mathematical Studies [MA, CS]

MAT 187: Precalculus OR



5-9 hrs

MAT 150: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR

MAT 151: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR

MAT 152: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR

MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

higher level course that meets MA  
requirement

PSY 230: Introduction to Statistics



3 hrs

Math studies - PSY 230 - Fulfills  
Computer/Statistics/Quantitative Applications  
[CS] requirement.

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



3 hrs

Humanities, Arts, and Design



3 hrs

#### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology



3 hrs

Social-Behavioral Science



3 hrs

Natural Science [SQ, SG]






### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BA degree program.

Special Requirements: 2.0 G.P.A. in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU, but left with a G.P.A. below 2.0, that student is not eligible to pursue this pathway because the student is not admissible to Psychology at the Tempe campus.

Natural Science [SQ, SG]	4 hrs		Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.
Natural Science [SQ, SG]	4 hrs		
<b>General Education Awareness Areas [C, H, G]</b>			
Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0-3 hrs		
<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
Related Area Courses	0-12 hrs		Select 4 courses (12 credit hours) which transfer as either Direct Equivalency or Departmental Electives (DEC) to courses in the following ASU departments: ASB, ASM, BIO, GCU, HPS, PHI, or SOC. Transfer equivalency is based on the semester and year the course is taken. May be met within AGECA or electives.
Psychology Elective	3 hrs		Select a Psychology elective that transfers to ASU as Departmental Elective credit (DEC) or a direct equivalency in the PSY prefix, excluding PSY 270.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs		Lower Division - Second Language Requirement - Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	0-16 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Psychology, BA, BA Pathway**  
**2019-2020**



ASU Major: [Psychology, BA | College of Integrative Sciences and Arts](#)



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 172: Finite Mathematics or  
 MAT 187: Precalculus or  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 higher level course that meets MA  
 requirement   3-9 hrs

CIS 105: Survey of Computer Information  
 Systems or  
 CSC 180: Computer Literacy or  
 CSC 180AA: Computer Literacy or  
 CSC 180AB: Computer Literacy   3-4 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]

## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BA degree program.

PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs 	PSY 290AB or PSY 290AC may be applied as Natural Science [SG] or Literacy and Critical Inquiry [L], but not both.
Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.

**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

PSY 230: Introduction to Statistics	3 hrs
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Related Area Courses	9 hrs	Select courses that transfer as a direct equivalent or departmental elective credit (DEC) in the following prefixes: ASB, COM, POS, PSY, or SOC.
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Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



Print

**Maricopa Community College District**  
**Psychology, BS Pathway**  
**2019-2020**



ASU Major: [Psychology, BS | New College of Interdisciplinary Arts and Sciences](#)



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L] 3 hrs


Mathematical Studies [MA, CS]  
 MAT 187: Precalculus OR   5-9 hrs  
 MAT 150: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR  
 MAT 151: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR  
 MAT 152: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR  
 higher level course that meets MA  
 requirement

CIS 105: Survey of Computer Information  
 Systems or  
 CSC 180: Computer Literacy or  
 CSC 180AA: Computer Literacy or  
 CSC 180AB: Computer Literacy   3-4 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs

Humanities, Arts, and Design  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BS degree program.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs 	PSY 290AB or PSY 290AC may be applied as Natural Science [SG] or Literacy and Critical Inquiry [L], but not both.
Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.

**General Education Awareness Areas [C, H, G]**


Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

PSY 230: Introduction to Statistics	3 hrs 
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Natural Science [SQ, SG]	8 hrs	Life Science lecture/lab course (BIO or MIC prefixes) and a Physical Science lecture/lab course (AST, CHM, GLG or PHY) are required in addition to PSY 290 [SG] and the Natural Science (SQ) General Studies requirement.
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Related Area Courses	6 hrs	Select courses that transfers as a direct equivalent or departmental elective credit (DEC) in the following ASU prefixes: ASB, COM, POS, PSY, or SOC.
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Lower Division Elective	0-6 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.
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Total Required Credits: 60

# Pathway Agreement

Print

**Maricopa Community College District**  
**Psychology, BS Pathway**  
**2019-2020**

ASU Major: [Psychology, BS | College of Liberal Arts and Sciences](#)

## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs

<b>Literacy and Critical Inquiry [L]</b> PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs	Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.
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<b>Mathematical Studies [MA, CS]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I or higher level course that meets MA requirement	4-5 hrs
PSY 230: Introduction to Statistics	3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	3 hrs
Humanities, Arts, and Design	3 hrs

<b>Social-Behavioral Science [SB]</b> PSY 101: Introduction to Psychology	3 hrs
Social-Behavioral Science	3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs	Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.
Natural Science [SQ, SG]	4 hrs	Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs
Historical or Global Awareness [H] or [G]	0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BS degree program.

Special Requirements: 2.0 G.P.A. in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU, but left with a G.P.A. below 2.0, that student is not eligible to pursue this pathway because the student is not admissible to Psychology at the Tempe campus.

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Psychology Elective 3 hrs Select one course that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) with the PSY prefix, excluding PSY 270.

Related Area Courses 0-12 hrs Select 4 courses (12 credit hours) that transfer as either Direct Equivalency or Departmental Electives (DEC) to courses in the follow ASU departments: ASB, ASM, BIO, GCU, HPS, PHI, SOC. Transfer equivalency is based on the semester and year the course is taken. May be met within AGECE-A or electives.

Lower Division Elective 0-17 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement



[Print](#)


**Maricopa Community College District**  
**Psychology, BS, BS Pathway**  
**2019-2020**



ASU Major: [Psychology, BS | College of Integrative Sciences and Arts](#)



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 187: Precalculus OR   5-9 hrs  
 MAT 150: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR  
 MAT 151: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR  
 MAT 152: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR  
 higher level course that meets MA  
 requirement

CIS 105: Survey of Computer Information  
 Systems or   3-4 hrs  
 CSC 180: Computer Literacy or  
 CSC 180AA: Computer Literacy or  
 CSC 180AB: Computer Literacy

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs



Natural Science [SQ, SG]

## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BS degree program.

PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs 	PSY 290AB or PSY 290AC may be applied as Natural Science [SG] or Literacy and Critical Inquiry [L], but not both.
Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.

**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

PSY 230: Introduction to Statistics	3 hrs
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Natural Science [SQ, SG]	8 hrs	Life Science lecture/lab course (BIO or MIC prefixes) and a Physical Science lecture/lab course (AST, CHM, GLG or PHY) are required in addition to PSY 290 [SG] and the Natural Science (SQ) General Studies requirement.
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Related Area Courses	6 hrs	Select courses that transfers as a direct equivalent or departmental elective credit (DEC) in the following ASU prefixes: ASB, COM, POS, PSY, or SOC.
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Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



Print

## Maricopa Community College District Psychology (Forensic Psychology), BA Pathway 2019-2020


ASU Major: [Psychology \(Forensic Psychology\), BA | New College of Interdisciplinary Arts and Sciences](#)



### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L] 3 hrs

Mathematical Studies [MA, CS]  
MAT 172: Finite Mathematics or  
MAT 187: Precalculus or  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus or  
higher level course that meets MA  
requirement   3-5 hrs


CIS 105: Survey of Computer Information  
Systems or  
CSC 180: Computer Literacy or  
CSC 180AA: Computer Literacy or  
CSC 180AB: Computer Literacy   3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
PSY 101: Introduction to Psychology  3 hrs

Social-Behavioral Science [SB] 3 hrs Recommend SB course in following prefixes:  
ASB, COM, POS, PSY or SOC.

Natural Science [SQ, SG]  
PSY 290AB: Research Methods or  
PSY 290AC: Research Methods  4 hrs PSY 290 to be taken as SG.

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology (Forensic Psychology), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR

0-3 hrs



COM 110: Interpersonal Communication OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PSY 230: Introduction to Statistics

3 hrs

**Related Coursework Elective**

0-9 hrs

Lower division related coursework elective. Select up to three courses that transfer as a direct equivalent or departmental elective credit (DEC) in the following prefixes: ASB, COM, POS, PSY, or SOC. These courses may be used to fulfill any outstanding AGECE requirements simultaneously.

**Lower Division Elective**

0-22 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District  
Psychology (Forensic Psychology), BS Pathway  
2019-2020**





ASU Major: **Psychology (Forensic Psychology), BS | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L] 3 hrs

Mathematical Studies [MA, CS]  
MAT 187: Precalculus OR   5-9 hrs  
MAT 150: College Algebra and  
MAT 182: Functions OR  
MAT 151: College Algebra and  
MAT 182: Functions OR  
MAT 152: College Algebra or  
MAT 182: Functions OR  
MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR  
MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry or  
higher level course that meets MA  
requirement  
CIS 105: Survey of Computer Information  
Systems or   3 hrs  
CSC 180: Computer Literacy or  
CSC 180AA: Computer Literacy or  
CSC 180AB: Computer Literacy

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs  
Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
PSY 101: Introduction to Psychology  3 hrs

Social-Behavioral Science [SB] 3 hrs Recommend course with (SB) in following prefixes: ASB, COM, POS, PSY or SOC.

Natural Science [SQ, SG]



## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology (Forensic Psychology), BS degree program.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs 	PSY 290 should be taken for (SG).
Natural Science [SQ, SG]	4 hrs 	ASU Psychology (Forensic Psychology) BS majors are required to take a Life Science lecture/lab course and a Physical Science lecture/lab course in addition to PSY 290 (SG) and the Natural Science (SQ) General Studies requirement. May be completed after transfer to ASU.

**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs 	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PSY 230: Introduction to Statistics	3 hrs	
Life Science Lab Course	0-4 hrs	Life Science lecture/lab course (BCH, BIO, FOR, LSC or MIC prefixes) and a Physical Science lecture/lab course (AST, CHM, ENV, GLG or PHY) are required in addition to PSY 290 [SG] and the Natural Science (SQ) General Studies requirement. May be completed after transfer to ASU.
Physical Science Lab Course	0-4 hrs	Life Science lecture/lab course (BCH, BIO, FOR, LSC or MIC prefixes) and a Physical Science lecture/lab course (AST, CHM, ENV, GLG or PHY) are required in addition to PSY 290 [SG] and the Natural Science (SQ) General Studies requirement. May be completed after transfer to ASU.
Lower Division Elective	0-20 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



Print



**Maricopa Community College District**  
**Public Health, BS Pathway**  
**2019-2020**

ASU Major: [Public Health, BS](#) | [College of Health Solutions](#)


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs Recommend COM 225


### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 151AA: College Algebra or  
 MAT 151AB: Functions I or  
 MAT 151AC: College Algebra or  
 MAT 151AD: Functions II or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with  
 Review or  
 MAT 156: College Algebra/Functions with  
 Review   3-6 hrs


Computer/Statistics/Quantitative Applications   3 hrs



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]   3 hrs



Humanities, Arts, and Design [HU]  3 hrs



### Social-Behavioral Science [SB]

ASB 100: Introduction to Global Health  3 hrs Satisfies the [G] AGEC requirement.

PSY 101: Introduction to Psychology   3 hrs

### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I   4 hrs

CHM 130: Fundamental Chemistry and  
 CHM 130LL: Fundamental Chemistry  
 Laboratory or  
 CHM 130AA: Fundamental Chemistry with  
 Lab   4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Health B.S. degree program.

The Public Health, BS degree may take more than 4 semesters after transfer to complete. Students may want to consider taking summer school or taking 18 credits in one semester if wanting to complete the degree in 2 years after transferring.

Cultural Diversity in the US [C]	0 hrs	AGEC Awareness Area [C] met by HES 210
Historical or Global Awareness [H] or [G]	0 hrs	AGEC Awareness Area [G] met by ASB 100

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 182: General Biology (Majors) II	4 hrs	
ECN 211: Macroeconomic Principles	3 hrs	MAPP students may take ECN 211 in place of PBH 201.
HES 210: Cultural Aspects of Health and Illness	3 hrs	
Lower Division Elective	10-15 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. PBH 100 and EXW 102 must be taken once students transfer to ASU, as there are no equivalent courses offered at the Maricopa Community Colleges.

**Total Required Credits: 60**







# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy, BS Pathway**  
**2019-2020**



ASU Major: [Public Service and Public Policy, BS | College of Public Service and Community Solutions](#)

## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC	3 hrs 	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
MAT 206: Elements of Statistics	3 hrs  

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	3 hrs 
Humanities, Arts, and Design	3 hrs 

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	3 hrs  
SOC 101: Introduction to Sociology	3 hrs  

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Sciences requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy B.S. program.

<b>MCCCD Additional Requirements</b>		
COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
Related Area Courses	3 hrs	Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, PAD 201, POS 110, OR SOC 101.
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

### Track/Groups

COPP Interdisciplinary Requirement

<b>COPP Interdisciplinary Requirement</b>	
SWU 171: Introduction to Social Welfare	
<b>COPP Interdisciplinary Requirement</b>	
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
HRM 160: Tourism Principles And Practices or REC 120: Leisure and the Quality of Life	

# Pathway Agreement



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## Maricopa Community College District Public Service and Public Policy (American Indian Studies), BS Pathway 2019-2020

ASU Major: [Public Service and Public Policy \(American Indian Studies\), BS](#) | [College of Public Service and Community Solutions](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


#### Literacy and Critical Inquiry [L]

ENG 216: PERSUASIVE WRITING ON PUBLIC

 3 hrs


If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs



MAT 206: Elements of Statistics   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs

#### Social-Behavioral Science [SB]


POS 110: American National Government   3 hrs

SOC 101: Introduction to Sociology   3 hrs


#### Natural Science [SQ, SG]


Natural Science [SQ, SG]  4 hrs

Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (American Indian Studies) B.S. program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
AIS 105: Introduction to American Indian Studies or SOC 105: Introduction to American Indian Studies	3 hrs	
AIS 110: Navajo Government or AIS 160: American Indian Law or SOC 160: American Indian Law	3 hrs	
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Elective Requirement: Cannot be met with MCCCD's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**COPP Interdisciplinary Requirement**

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or	Interdisciplinary Track 1
AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
SWU 171: Introduction to Social Welfare	Interdisciplinary Track 2
COPP Interdisciplinary Requirement	
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	Interdisciplinary Track 3





# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy (Business), BS Pathway**  
**2019-2020**



ASU Major: [Public Service and Public Policy \(Business\), BS](#) | [College of Public Service and Community Solutions](#)

## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC ISSUES	 3 hrs	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
MAT 206: Elements of Statistics	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	  3 hrs
SOC 101: Introduction to Sociology	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Business) B.S. program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Elective Requirement: Cannot be met with MCCCD's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**COPP Interdisciplinary Requirement**

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Interdisciplinary Track 1
COPP Interdisciplinary Requirement	
SWU 171: Introduction to Social Welfare	Interdisciplinary Track 2
COPP Interdisciplinary Requirement	
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	Interdisciplinary Track 3





# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy (Criminology), BS Pathway**  
**2019-2020**


ASU Major: [Public Service and Public Policy \(Criminology\), BS](#) | College of Public Service and Community Solutions

## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC	3 hrs 	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
MAT 206: Elements of Statistics	3 hrs  

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	3 hrs  
SOC 101: Introduction to Sociology	3 hrs  

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Criminology) B.S. program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
AJS 101: Introduction To Criminal Just	3 hrs	
AJS 113: Criminal Justice Crime Contro	3 hrs	
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Electives: Cannot be met with MCCCCD's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

**Track/Groups**

**COPP Interdisciplinary Requirement**

<b>COPP Interdisciplinary Requirement</b>	
AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	<b>COPP Interdisciplinary Requirement</b>
SWU 171: Introduction to Social Welfare	



# Pathway Agreement

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## Maricopa Community College District

### Public Service and Public Policy (Emergency Management and Homeland Security), BS Pathway

2019-2020

ASU Major: [Public Service and Public Policy \(Emergency Management and Homeland Security\), BS | College of Public Service and Community Solutions](#)


#### Pathway Requirements


##### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs



##### Literacy and Critical Inquiry [L]

ENG 216: PERSUASIVE WRITING ON PUBLIC  3 hrs If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.


COM 225: Public Speaking  3 hrs


##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

MAT 206: Elements of Statistics   3 hrs


##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design  3 hrs


##### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs

SOC 101: Introduction to Sociology   3 hrs

##### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs



General Education Awareness Areas [C, H, G]


#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy B.S. program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
AJS 101: Introduction To Criminal Just	3 hrs	
AJS 113: Criminal Justice Crime Contro	3 hrs	
Related Are Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Elective Requirement: Cannot be met with MCCC'D's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-4 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

### Track/Groups

COPP Interdisciplinary Requirement

<b>COPP Interdisciplinary Requirement</b>	
AJS 212: Juvenile Justice Procedures OR	
AJS 109: Substantive Criminal Law OR	<b>COPP Interdisciplinary Requirement</b>
AJS 270: Community Relations	
SWU 171: Introduction to Social Welfare	<b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	

# Pathway Agreement



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**Maricopa Community College District**  
**Public Service and Public Policy (Health Policy), BS Pathway**  
**2019-2020**

ASU Major: **Public Service and Public Policy (Health Policy), BS | College of Public Service and Community Solutions**


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

ENG 216: PERSUASIVE WRITING ON PUBLIC  3 hrs If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs



MAT 206: Elements of Statistics   3 hrs



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design  3 hrs


### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs


SOC 101: Introduction to Sociology   3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy B.S. program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Elective Requirement: Cannot be met with MCCCD's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**COPP Interdisciplinary Requirement**

<b>COPP Interdisciplinary Requirement</b>	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law OR	<b>COPP Interdisciplinary Requirement</b>
AJS 270: Community Relations	
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	<b>COPP Interdisciplinary Requirement</b>
SWU 171: Introduction to Social Welfare	





# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy (Law and Policy), BS Pathway**  
**2019-2020**



ASU Major: [Public Service and Public Policy \(Law and Policy\), BS](#) | [College of Public Service and Community Solutions](#)





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC	 3 hrs	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
MAT 206: Elements of Statistics	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	  3 hrs
SOC 101: Introduction to Sociology	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Complete at least one SQ course.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Public Policy (Law and Policy) B.S. program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Just	3 hrs	
AJS 113: Criminal Justice Crime Contro	3 hrs	
PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	3 hrs	
Related Area Course	3 hrs	Complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, PAD 201, POS 110, OR SOC 101.
COPP Interdisciplinary Requirement	6 hrs	Select one course (not AJS 101) from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 63**

**Track/Groups**

**COPP Interdisciplinary Requirement**

<b>COPP Interdisciplinary Requirement</b>	
AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	<b>COPP Interdisciplinary Requirement</b>
SWU 171: Introduction to Social Welfare	

# Pathway Agreement

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## Maricopa Community College District

### Public Service and Public Policy (Nonprofit Leadership and Management), BS Pathway

2019-2020

ASU Major: [Public Service and Public Policy \(Nonprofit Leadership and Management\), BS](#) | College of Public Service and Community Solutions

#### Pathway Requirements

##### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL 3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL 3 hrs



##### Literacy and Critical Inquiry [L]

ENG 216: PERSUASIVE WRITING ON PUBLIC 3 hrs



If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.

##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement 3-6 hrs



MAT 206: Elements of Statistics 3 hrs



##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design 3 hrs



Humanities, Arts, and Design 3 hrs



##### Social-Behavioral Science [SB]

POS 110: American National Government 3 hrs



SOC 101: Introduction to Sociology 3 hrs



##### Natural Science [SQ, SG]

Natural Science [SQ, SG] 4 hrs



Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG] 4 hrs



##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C] 0-3 hrs



Historical or Global Awareness [H] or [G] 0-3 hrs



#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Nonprofit Leadership and Management) B.S. program.

**MCCCD Additional Requirements**  
COM 225: Public Speaking



CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**  
PAD 100: 21st Century Public Policy and Service

3 hrs

PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
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REC 120: Leisure and the Quality of Life	3 hrs	
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Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Electives: Cannot be met with MCCCC's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
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COPP Interdisciplinary Requirement	3 hrs	Select one course from College of Public Programs Interdisciplinary Requirement Tracks, for a total of 3 credit hours.
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Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

**Track/Groups**

COPP Interdisciplinary Requirement

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	COPP Interdisciplinary Requirement
HRM 160: Tourism Principles And Practices	
COPP Interdisciplinary Requirement	
SWU 171: Introduction to Social Welfare	



# Pathway Agreement

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## Maricopa Community College District



### Public Service and Public Policy (Parks and Recreation Management), BS Pathway



2019-2020

ASU Major: [Public Service and Public Policy \(Parks and Recreation Management\), BS | College of Public Service and Community Solutions](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 216: PERSUASIVE WRITING ON PUBLIC

3 hrs




If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs



MAT 206: Elements of Statistics   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs

#### Social-Behavioral Science [SB]


POS 110: American National Government   3 hrs

SOC 101: Introduction to Sociology   3 hrs


#### Natural Science [SQ, SG]


Natural Science [SQ, SG]  4 hrs

Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs


Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Parks & Recreation Management) B.S. program.

<b>MCCCD Additional Requirements</b>		
COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
REC 120: Leisure and the Quality of Life	3 hrs	
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Electives: Cannot be met with MCCC's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	3 hrs	Select one course from College of Public Programs Interdisciplinary Requirement Tracks, for a total of 3 credit hours. Please see below for track titles.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

### Track/Groups

#### COPP Interdisciplinary Requirement

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Interdisciplinary Track 1
COPP Interdisciplinary Requirement	
HRM 160: Tourism Principles And Practices	Interdisciplinary Track 2
COPP Interdisciplinary Requirement	
SWU 171: Introduction to Social Welfare	Interdisciplinary Track 3

# Pathway Agreement

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## Maricopa Community College District

### Public Service and Public Policy (Science and Technology Policy), BS Pathway

2019-2020

ASU Major: [Public Service and Public Policy \(Science and Technology Policy\), BS](#) | College of Public Service and Community Solutions


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 216: PERSUASIVE WRITING ON PUBLIC  3 hrs If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

MAT 206: Elements of Statistics   3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs


SOC 101: Introduction to Sociology   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Science & Technology Policy) B.S. program.

**MCCCD Additional Requirements**  
COM 225: Public Speaking



CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**  
PAD 100: 21st Century Public Policy and Service

3 hrs

PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Electives: Cannot be met with MCCCCD's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

COPP Interdisciplinary Requirement

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or	Interdisciplinary Track 1
AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
SWU 171: Introduction to Social Welfare	Interdisciplinary Track 2
COPP Interdisciplinary Requirement	
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	Interdisciplinary Track 3

# Pathway Agreement



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## Maricopa Community College District Public Service and Public Policy (Social Services Delivery), BS Pathway 2019-2020

ASU Major: [Public Service and Public Policy \(Social Services Delivery\), BS](#) | College of Public Service and Community Solutions


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

ENG 216: PERSUASIVE WRITING ON PUBLIC ISSUES  3 hrs If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs



MAT 206: Elements of Statistics   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs


SOC 101: Introduction to Sociology   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ course within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Requirement met by SWU 292

Historical or Global Awareness [H] or [G]  0 hrs Requirement met by SWU 171.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy B.S. program.

MCCC Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	Met by COM 225 if selected for Literacy and Critical Inquiry.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
SWU 171: Introduction to Social Welfare	3 hrs	This course simultaneously fulfills 3 credits of the COPP Interdisciplinary Requirement.
SWU 291: Social Service Delivery Systems	3 hrs	
SWU 292: Effective Helping In A Diverse World	3 hrs	
COPP Interdisciplinary Requirement	3 hrs	Select one course from College of Public Programs Interdisciplinary Requirement Tracks for a total of 3 credit hours in addition to SWU 171.
Related Area Course	3 hrs	Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, PAD 201, POS 110, OR SOC 101.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

COPP Interdisciplinary Requirement

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law	COPP Interdisciplinary Requirement
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	





# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy (Sustainability), BS Pathway**  
**2019-2020**



ASU Major: **Public Service and Public Policy (Sustainability), BS | College of Public Service and Community Solutions**




## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC	 3 hrs	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets the MA requirement.	 3-6 hrs
MAT 206: Elements of Statistics	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	  3 hrs
SOC 101: Introduction to Sociology	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science	 4 hrs	Choose at least one SQ within the Natural Sciences Requirement.
Natural Science	 4 hrs	Choose at least one SQ within the Natural Sciences Requirement.

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Sustainability) B.S. program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs		
PAD 200: Public Affairs Economics	0-3 hrs		Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
SUS 110: Sustainable World	3 hrs		
SSH 111: Sustainable Cities	3 hrs		
Related Area Elective	3 hrs		Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Cannot be met with MCCCD's PAD 100, PAD 201, POS 110, or SOC 101.
COPP Interdisciplinary Requirement	6 hrs		Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours.
Lower Division Elective	0-7 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**COPP Interdisciplinary Requirement**

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or	Interdisciplinary Track 1
COPP Interdisciplinary Requirement	
AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Interdisciplinary Track 2
COPP Interdisciplinary Requirement	
HRM 160: Tourism Principles And Practices	Interdisciplinary Track 3



# Pathway Agreement



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**Maricopa Community College District**  
**Recreation Therapy, BS Pathway**  
**2019-2020**


ASU Major: [Recreation Therapy, BS | Watts College of Public Service & Community Solut](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 SWU 183: Introductory Ethics: A Social  
 Service Perspective  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

REC 120: Leisure and the Quality of Life  3 hrs

Natural Science [SQ, SG]  
 BIO 201: Human Anatomy and Physiology I  
 or  
 BIO 201XT: Human Anatomy and Physiology  
 I   4 hrs

Natural Science [SQ, SG]  4 hrs Select an SQ within the Natural Science requirement.

General Education Awareness Areas [C, H, G]  
 Historical or Global Awareness [H] or [G]  0-3 hrs

Cultural Diversity in the U.S. [C]  0-3 hrs


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Recreation Therapy B.S. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0 hrs	Satisfied by COM 225
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Justice or AJS 109: Substantive Criminal Law or AJS 113: Criminal Justice Crime Control Policies and Prctices or AJS 212: Juvenile Justice Procedures or AJS 230: The Police Function or AJS 240: The Correction Function or AJS 270: Community Relations or PAD 100: 21st Century Public Policy and Service or PAD 200: Public Affairs Economics	3 hrs	Fulfill's ASU Interdisciplinary Requirement
CFS 205: Human Development	3 hrs	
EXS 101: Introduction to Exercise Science	3 hrs	
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: Programming of Recreation Services	3 hrs	
Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Religious Studies (Religion, Culture and Public Life), BA Pathway**  
**2019-2020**


ASU Major: **Religious Studies (Religion, Culture and Public Life), BA | College of Liberal Arts and Sciences**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher course that meets MA requirements.  3-6 hrs


Computer/Statistics/Quantitative Applications   3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.

Humanities, Arts, and Design [HU]  3 hrs May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST.

Social-Behavioral Science [SB]  3 hrs May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST.

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Religious Studies (Religion, Culture and Public Life) B.A. degree program.

After Transfer to ASU: 2.5 cumulative GPA in religious studies courses required for graduation.

REL 101 is a required course that will be needed after transfer to ASU.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b>		
Related Area Courses	0-6 hrs	Select up to two Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST. May be satisfied within Humanities, Arts and Design and Social and Behavioral Sciences AGEC categories.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print


## Maricopa Community College District Religious Studies (Religion, Politics and Global Affairs), BA Pathway 2019-2020


ASU Major: [Religious Studies \(Religion, Politics and Global Affairs\), BA](#) | College of Liberal Arts and Sciences



### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


Computer/Statistics/Quantitative Applications   3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.

Humanities, Arts, and Design [HU]  3 hrs May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.

Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST.

Social-Behavioral Science [SB]  3 hrs May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST.

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGCC-A, meets major map requirements at ASU, and guarantees admission to the Religious Studies (Religion, Politics and Global Affairs) B.A. degree program.

After Transfer to ASU: 2.5 cumulative GPA in religious studies courses required for graduation.

REL 101 is a required course that will be needed after transfer to ASU.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b>		
Related Area Courses	0-6 hrs	Select up to two Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST. May be satisfied within Humanities, Arts and Design and Social and Behavioral Sciences AGEC categories.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



[Print](#)


**Maricopa Community College District  
Science, Technology and Society, BS Pathway  
2019-2020**


ASU Major: [Science, Technology and Society, BS](#) | College of Integrative Sciences and Arts


## Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs 

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs 


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[C]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
SOC 180: Social Implications of Technology  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Science, Technology and Society, BS degree program.

Up to a maximum total number of 75 credits may be transferred to ASU for students on this MAPP.

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
<b>Additional Lower Division Requirements</b> Science, Technology, and Society Related Area	6 hrs	Select 2 courses that transfer to ASU as a Departmental Elective from the following prefixes: AES, AFR, AIS, APA, ASM, COM, ECN, FAS, GCU, HST, ISS, JUS, MIS, POS, PHI, PSY, REL, SGS, SOC, TCL, WST
Lower Division Elective	7-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement

Print

## Maricopa Community College District Secondary Education (Chemistry), BAE Pathway 2019-2020

ASU Major: [Secondary Education \(Chemistry\), BAE | Mary Lou Fulton Teachers College](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Satisfied by HIS 103 or GCU 13/POS 113 (GCU/POS 227 prior to Fall 2016).

Humanities, Arts, and Design

3 hrs



#### Social-Behavioral Science [SB]

EDU 222: Intro to EXCEPTIONAL LEARNER

3 hrs



GCU 113: United States and Arizona Social Studies or  
POS 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865

3 hrs



HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151AA: General Chemistry I



CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



CHM 152AA: General Chemistry II

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Chemistry) B.A.E. degree program.

Special Requirements: 2.5 GPA in Chemistry concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.


While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.


Subject Options

PHY 101: Introduction to Physics or  
PHY 101AA: Introduction to Physics   4 hrs


MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II  4-5 hrs

**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]  0 hrs 3 hrs [C] met by EDU 222.


Historical or Global Awareness [H] or [G]  0 hrs


**MCCCD Additional Requirements**


COM 100: Introduction to Human  
Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication  0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 235: General Organic Chemistry I and  
CHM 235LL: General Organic Chemistry I L  4 hrs

CHM 236: General Organic Chemistry IIA  
and  
CHM 236LL: General Organic Chemistry IIA  4 hrs

CIS 105: Survey of Computer Information  
Systems or  
BPC 110: Computer Usage & Applications  3 hrs

CFS 176: Child Development or  
ECH 176: Child Development 3 hrs

EDU 221: Introduction to Education 3 hrs

EDU 230: CULTURAL DIVERSITY IN EDUCATION 3 hrs EDU 230 is an acceptable MAPP course substitution for TEL 203.

POS 221: Arizona Constitution 0-1 hrs POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB].

Lower Division Elective 0-2 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).  
  
Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU bachelor's degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



Print



## Maricopa Community College District Secondary Education (English), BAE Pathway 2019-2020

ASU Major: [Secondary Education \(English\), BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 200: READING & WRITING ABOUT  
LITERATURE  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


CSC 180: Computer Literacy or  
CIS 105: Survey of Computer Information  
Systems or  
BPC 110: Computer Usage & Applications or  
CSC 180AA: Computer Literacy or  
CSC 180AB: Computer Literacy   3-4 hrs


#### Humanities, Arts, and Design [HU]

ENH 221: SURVEY OF ENGLISH  
LITERATURE BEFORE 1800  3 hrs


ENH 222: Survey of English Literature After  
1800  3 hrs


#### Social-Behavioral Science [SB]

EDU 222: Intro to EXCEPTIONAL LEARNER  3 hrs

GCU 113: United States and Arizona Social Studies or  
POS 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865  3 hrs  
HIS 103, GCU 113, and POS 113 meet US  
Constitution teacher certification requirement.  
GCU 113 and POS 113 (GCU/POS227 prior to  
Fall 2016) also meet AZ Constitution teacher  
certification requirement.

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs  
Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

2.0 GPA in coursework used to satisfy  
MAPP requirements. All courses must  
be completed with a grade of C or  
greater.

### Special Requirements

Completion of the MAPP and all special  
requirements satisfies the requirements  
for MCCC Associate in Arts degree  
and AGEC-A, meets major map  
requirements at ASU, and guarantees  
admission to the Secondary Education  
(English) B.A.E. degree program.

Special Requirements: 2.5 GPA in  
English concentration courses beyond  
first-year composition. 2.5 GPA in  
coursework used to satisfy MAPP  
requirements. All courses must be  
completed with a grade of "C" or better.

Cultural Diversity in the U.S. [C]	0 hrs	[C] met by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs	[H] met by ENH 222.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CFS 176: Child Development or ECH 176: Child Development	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	EDU 230 is an acceptable MAPP course substitution for TEL 203.
ENG 215: Strategies of Academic Writing or ENG 216: Persuasive Writing on Public Issues or ENG 217: Personal and Exploratory Writing	3 hrs	
ENH 241: American Literature Before 1860	3 hrs	
ENH 242: American Literature After 1860	3 hrs	
POS 221: Arizona Constitution	0-1 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB].
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).  Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU bachelor's degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Secondary Education (History), BAE Pathway 2019-2020

ASU Major: [Secondary Education \(History\), BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs COM 225 recommended to also cover Oral Communication.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


CSC 180: Computer Literacy or  
CIS 105: Survey of Computer Information  
Systems or  
BPC 110: Computer Usage & Applications   3 hrs


#### Humanities, Arts, and Design [HU]

HIS 103: United States History to 1865  3 hrs HIS 103 meets US Constitution teacher certification requirement.


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

EDU 222: Intro to EXCEPTIONAL LEARNER  3 hrs


HIS 104: United States History 1865 to  
Present  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs 3 hrs [C] met by EDU 222.

Historical or Global Awareness [H] or [G]  0 hrs 3 hrs [H] met by HIS 103.

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (History) B.A.E. degree program.

Special Requirements: 2.5 GPA in History concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CFS 176: Child Development or  
ECH 176: Child Development

3 hrs

EDU 221: Introduction to Education

3 hrs

EDU 230: CULTURAL DIVERSITY IN EDUCATION 3 hrs EDU 230 is an acceptable MAPP course substitution for TEL 203.

HIS 100: HIST OF W CIVILIZATION TO MID AGES or  
HIS 101: HIST OF W CIVILIZATION/MID AGES-1789 or  
HIS 102: HIST OF W CIVILIZATION/1789 TO PRSNT or  
HIS 110: World History to 1500 or  
HIS 111: WORLD HISTORY 1500 TO the PRESENT or  
HIS 253: History of Ireland to 1603 or  
HIS 254: HISTORY OF IRELAND 1603-PRESENT

6 hrs

Select two courses from the list

POS 221: Arizona Constitution

1 hrs

Related Area Courses 6 hrs Select two ECN/GCU/POS courses

Lower Division Elective 0-3 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement


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## Maricopa Community College District Secondary Education (Mathematics), BAE Pathway 2019-2020

ASU Major: [Secondary Education \(Mathematics\), BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL 


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL 

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  COM 225 recommended to also cover Oral Communication

#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I 


CIS 163AA: Java Programming: Level I or  
CSC 100: Introduction to Computer Science (C++) or  
CSC 100AB: Intro to COMPUTER SCIENCE (C++) or  
CIS 110: Home Entertainment and Computer Networking or  
CSC 110AA: Introduction to Computer Science (Java) or  
CSC 110AB: Intro to Computer Science (JAVA) or  
CSC 150: Programming in C/C++ or  
CSC 205: Object Oriented Programming and Data Structures or  
CSC 205AA: Object Oriented Programming and Data Structures or  
CSC 205AB: Object Oriented Programming and Data Structures or  
CSC 205AC: Object Oriented Programming and Data Structures or  
CSC 205AD: Object Oriented Programming and Data Structures  These courses are an acceptable MAPP course substitution for EDT 180.


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016).


Humanities, Arts, and Design [HU] 


#### Social-Behavioral Science [SB]

EDU 222: Intro to EXCEPTIONAL LEARNER 

GCU 113: United States and Arizona Social Studies or  
POS 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865  HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG] 

General Education Awareness Areas [C, H, G]

### Pathway Notes








2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Mathematics) B.A.E. degree program.

2.5 GPA required in Mathematics concentration courses and coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Cultural Diversity in the U.S. [C]	0 hrs		Cultural Diversity in the U.S. - 3 hrs [C] met by EDU 222
Historical or Global Awareness [H] or [G]	0 hrs		
<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
CFS 176: Child Development or ECH 176: Child Development	3 hrs		
EDU 221: Introduction to Education	3 hrs		
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs		EDU 230 is an acceptable MAPP course substitution for TEL 203.
MAT 227: Discrete Mathematical Structures	3 hrs		
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs		
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs		
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs		
POS 221: Arizona Constitution	0-1 hrs		POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB].
Lower Division Elective	0-1 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).  Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU bachelor's degree requirements.

Total Required Credits: 60



# Pathway Agreement

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## Maricopa Community College District Secondary Education (Physical Education), BAE Pathway 2019-2020

ASU Major: [Secondary Education \(Physical Education\), BAE | Mary Lou Fulton Teachers College](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



COM 225 recommended to also cover Oral Communication.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets the MA  
requirement.



CIS 105: Survey of Computer Information Systems OR



Any course with the general studies [CS] can satisfy this requirement.

CSC 180: Computer Literacy or  
CSC 180AA: Computer Literacy or  
CSC 180AB: Computer Literacy OR

BPC 110: Computer Usage & Applications

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



Humanities, Arts, and Design [HU]



#### Social-Behavioral Science [SB]

HIS 103: United States History to 1865 or  
POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies



HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

EDU 222: Intro to EXCEPTIONAL LEARNER



#### Natural Science [SQ, SG]

Natural Science [SQ]



Select one course that satisfies the SQ requirement. BIO181 recommended.

BIO 201: Human Anatomy and Physiology



General Education Awareness Areas [C, H, G]

### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Physical Education) B.A.E. degree program.

Special Requirements: 2.5 GPA in PE concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.



While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Cultural Diversity in the U.S. [C]	0 hrs 	3 hrs [C] met by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016).

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 202: Human Anatomy and Physiology	4 hrs 	
CHM 130: Fundamental Chemistry	0-4 hrs 	One year of high school chemistry or CHM130 or higher is suggested before taking BIO201
CFS 176: Child Development or ECH 176: Child Development	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	EDU 230 is an acceptable MAPP course substitution for TEL 203.
EDU 221: Introduction to Education	3 hrs	
EXS 214: Instructional Competency: Flexibility and Mind- Body Exercises	2 hrs	
EXS 216: Instructional Competency: Muscular Strength and Conditioning	2 hrs	
EXS 218: Instructional Competency: Cardiorespiratory Exercises and Activities	2 hrs	
POS 221: Arizona Constitution	0-1 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB].
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).  Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU bachelor's degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Secondary Education (Physics), BAE Pathway 2019-2020

ASU Major: [Secondary Education \(Physics\), BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First-Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  0-3 hrs COM 225 recommended to also cover Oral Communication.

#### Mathematical Studies [MA]


MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

EDU 222: Intro to EXCEPTIONAL LEARNER  3 hrs



HIS 103: United States History to 1865 or  
POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies  3 hrs HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.



#### Natural Science [SQ, SG]

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS   4-5 hrs

PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism   4-5 hrs

#### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II   4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III   4-5 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Physics) B.A.E. degree program.

Special Requirements: 2.5 GPA in Physics concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.


While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Cultural Diversity in the U.S. [C]	0 hrs 	3 hrs [C] met by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016).

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs 	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CFS 176: Child Development or ECH 176: Child Development	3 hrs	
CIS 105: Survey of Computer Information Systems or BPC 110: Computer Usage & Applications or CSC 180: Computer Literacy	3 hrs 	
EDU 221: Introduction to Education	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	EDU 230 is an acceptable MAPP course substitution for TEL 203.
PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	4 hrs	
POS 221: Arizona Constitution	0-1 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB].
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).  Recommended that students complete both Historical [H] and Global [G] Awareness prior to transferring to meet ASU bachelor's degree requirements.

Total Required Credits: 60





# Pathway Agreement


[Print](#)




**Maricopa Community College District  
Secondary Education (Political Science), BAE Pathway  
2019-2020**


ASU Major: [Secondary Education \(Political Science\), BAE | Mary Lou Fulton Teachers College](#)


## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	COM 225 recommended to also cover Oral Communication.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
CIS 105: Survey of Computer Information Systems or BPC 110: Computer Usage & Applications or CSC 180AA: Computer Literacy or CSC 180AB: Computer Literacy	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> HIS Elective	 3 hrs	Select a course that transfers to ASU as HST Direct Equivalency or Department Elective with HU General Studies designation. This course will count towards the 12 total credit hours for Related Area requirement.
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<b>Humanities, Arts, and Design [HU]</b>	 3 hrs
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<b>Social-Behavioral Science [SB]</b> POS 120: World Politics or POS 140: Comparative Government	  3 hrs
EDU 222: Intro to EXCEPTIONAL LEARNER	3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
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<b>Natural Science [SQ, SG]</b>	 4 hrs
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General Education Awareness Areas [C, H, G]

## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Political Science) B.A.E. degree program.

Special Requirements: 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.




While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Cultural Diversity in the U.S. [C]	0 hrs 	3 hrs [C] met by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs 	3 hrs [G] met by POS 120 or POS 140.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CFS 176: Child Development or ECH 176: Child Development	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	EDU 230 is an acceptable MAPP course substitution for TEL 203.
HIS 103: United States History to 1865 or GCU 113: United States and Arizona Social Studies or POS 113: United States and Arizona Social Studies or POS 220: U.S. and Arizona Constitution	3 hrs 	HIS 103, GCU 113, POS 113 (GCU 227 or POS 227 if taken prior to Fall 2017) meets US Constitution teacher certification requirement. GCU 113, POS 113, GCU 227, or POS 227 also meets AZ Constitution teacher certification requirements.
POS 110: American National Government	3 hrs  	
POS 210: Political Ideologies	3 hrs	
POS 221: Arizona Constitution	0-1 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU 113, POS 113, GCU 227, POS 227, or POS 220.
Political Science Elective	6 hrs	Political Science elective course requirement: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Social Justice and Human Rights, BA Pathway 2019-2020


ASU Major: [Social Justice and Human Rights, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ course within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements


### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGCC-A, meets major map requirements at ASU, and guarantees admission to the Social Justice and Human Rights, B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
<b>Focus Area Courses</b>	0-6 hrs	Select courses to fulfill up to 6 credit hours from one of the following focus areas: Materialism, Intersectionality & Inequality; Advocacy and Social Change; Critical Trauma Studies and Everyday Humanitarianism. Focus Area courses can be taken after transfer.
<b>Lower Division Elective</b>	0-25 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

### Track/Groups

#### Focus Area Courses

Focus Area Courses		
ASB 211: Women in Other Cultures	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
AFR 202: Ethnic Relations in the United States or ASB 202: Ethnic Relations in the United States or CCS 202: Ethnic Relations in the United States	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
POS 120: World Politics	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
SOC 251: Social Problems	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
SOC 212: Gender and Society	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
SOC 241: Race and Ethnic Relations	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
WST 100: Women and Society	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	





















# Pathway Agreement

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**Maricopa Community College District**  
**Social Work, BSW Pathway**  
**2019-2020**

ASU Major: **Social Work, BSW | College of Public Service and Community Solutions**

## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 	
<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry	3 hrs		
<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs		
<b>Computer/Statistics/Quantitative Applications</b>	3 hrs		Recommend a statistics course
<b>Humanities, Arts, and Design [HU]</b> SWU 183: Introductory Ethics: A Social Service Perspective or PHI 101: Introduction to Philosophy or PHI 102: Introduction to Philosophy or PHI 105: Introduction to Ethics	3 hrs	 	
<b>Humanities, Arts, and Design [HU]</b>	3 hrs		Select a course that also satisfies [G]
<b>Social-Behavioral Science [SB]</b> SWU 182: A Social Services Perspective of Government or POS 110: American National Government	3 hrs	 	
PSY 101: Introduction to Psychology or SOC 101: Introduction to Sociology	3 hrs	 	
<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs		Natural Science - at least one course must be SQ course.
Natural Science [SQ, SG]	4 hrs	 	Recommend BIO 156 or BIO 160 or BIO 201
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0 hrs		Cultural Diversity - 3 credits [C] satisfied by SWU 295.
Historical or Global Awareness [H] or [G]	0 hrs		Historical or Global - 3 hours [H] satisfied by SWU 171.

## Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Social Work degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Social Work, BSW degree program.

Upon transfer to ASU students must complete the following milestones in order to progress in the major: Successful completion of 40 hours of social work-related experiences (SWU 291); and a 2.5 cumulative GPA with at least a C in social work courses ASU-SWU 171, 291, 295 (or equivalent MCCCDC courses). Minimum 3.0 GPA with at least a C in SWU 306, SWU 311, SWU 312, SWU 303, SWU 340, & SWU 374 and a minimum overall GPA of 2.0 in order to advance to 400 level SWU courses.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

SWU 181: Economics: A Social Issues Perspective or ECN 211: Macroeconomic Principles	3 hrs 	
SWU 171: Introduction to Social Welfare	3 hrs	
SWU 291: Social Service Delivery Systems	3 hrs	
SWU 295: Effective Helping in a Diverse World	3 hrs	
Interdisciplinary Requirement	6 hrs	Select two classes from at least two of the three Area tracks. The track titles are located in the comments section of each track at the bottom of this page.
Cultures or Language: Completion of three courses in cultural diversity OR Completion of a language courses at the intermediate level (202 or equivalent).	0-16 hrs	College Level Examination Program (CLEP) will satisfy language requirement, if 202 level language proficiency is met. Credits must be transferred to ASU Admissions. Cultural Diversity courses can be found in the Course Equivalency Guide.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

Interdisciplinary Requirement

<b>Interdisciplinary Requirement</b>	
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or AJS 225: Criminology or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>Interdisciplinary Requirement</b>
PAD 100: 21st Century Public Policy and Service or PAD 200: Public Affairs Economics	<b>Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life	

# Pathway Agreement



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**Maricopa Community College District**  
**Social and Behavioral Sciences, BA Pathway**  
**2019-2020**

ASU Major: **Social and Behavioral Sciences, BA | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 OR  
 MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with  
 Review or  
 MAT 156: College Algebra/Functions with  
 Review OR  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 187: Precalculus OR  
 MAT 172: Finite Mathematics

Computer/statistics/quantitative applications  
 (CS)  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]




## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Behavioral Sciences, B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication OR	3 hrs	 
POS 110: American National Government OR		
POS 120: World Politics OR		
PSY 101: Introduction to Psychology OR		
SOC 101: Introduction to Sociology OR		
ASB 102: Introduction to Cultural Anthropology OR		
SSH 111: Sustainable Cities		
Social-Behavioral Science [SB]	3 hrs	

Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirements.
Natural Science [SQ, SG]	4 hrs		

General Education Awareness Areas [C, H, G]		
Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

Additional Lower Division Requirements	9 hrs		Select 9 credits of coursework from ASU prefixes ASB, JHR, POS, SBS or SOC. These courses may simultaneously fulfill any outstanding AGECE requirements. If needed, remaining courses can be completed at ASU.
Program Electives			
Lower Division Elective	0-16 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. SBS 200 can be taken after transfer to ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Social and Behavioral Sciences, BS Pathway**  
**2019-2020**

ASU Major: **Social and Behavioral Sciences, BS | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 OR  
 MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with  
 Review or  
 MAT 156: College Algebra/Functions with  
 Review OR  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 187: Precalculus OR  
 MAT 172: Finite Mathematics

Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]




## Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.



## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Behavioral Sciences, B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication OR	3 hrs	 
POS 110: American National Government OR		
POS 120: World Politics OR		
PSY 101: Introduction to Psychology OR		
SOC 101: Introduction to Sociology OR		
ASB 102: Introduction to Cultural Anthropology OR		
SSH 111: Sustainable Cities		
Social-Behavioral Science [SB]	3 hrs	

Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirements.
Natural Science [SQ, SG]	4 hrs		

General Education Awareness Areas [C, H, G]		
Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

Additional Lower Division Requirements	9 hrs		Select 9 credits that transfer to ASU with any of the following prefixes: ASB, JHR, POS, SBS, or SOC. These courses may simultaneously fulfill any outstanding AGEC requirements.
Program Electives			
Lower Division Elective	0-16 hrs		Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Social and Cultural Analysis (American Studies), BA Pathway 2019-2020

ASU Major: [Social and Cultural Analysis \(American Studies\), BA](#) | [New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

WST 100: Women and Society or  
AFR 202: Ethnic Relations in the United States or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement.


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Requirement can be satisfied by WST 100 or  
ETH 100.

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (American Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60



# Pathway Agreement

Print

## Maricopa Community College District

### Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA Pathway

2019-2020

ASU Major: [Social and Cultural Analysis \(Ethnicity, Race and Indigenous Studies\), BA](#) | New College of Interdisciplinary Arts and Sciences


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs

##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs

##### Social-Behavioral Science [SB]

AFR 202: Ethnic Relations in the United States or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States or  
WST 100: Women and Society  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement


Social-Behavioral Science [SB]  3 hrs


##### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Requirement can be satisfied by WST 100 or  
ETH 100

Historical or Global Awareness [H] or [G]  0-3 hrs

#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human  
Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 60**

# Pathway Agreement



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## Maricopa Community College District Social and Cultural Analysis (Latin American Studies), BA Pathway 2019-2020

ASU Major: [Social and Cultural Analysis \(Latin American Studies\), BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

WST 100: Women and Society or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States or  
AFR 202: Ethnic Relations in the United States  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement.


Social-Behavioral Science  3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs WST 100 or ETH 100 can also satisfy this  
requirement

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Latin American Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Social and Cultural Analysis (Peace Studies), BA Pathway 2019-2020

ASU Major: [Social and Cultural Analysis \(Peace Studies\), BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs 


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs 

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

AFR 202: Ethnic Relations in the United States or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States or  
WST 100: Women and Society  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Requirement can be satisfied by WST 100 or  
ETH 100

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Peace Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Social and Cultural Analysis (Queer and Sexuality Studies), BA Pathway 2019-2020


ASU Major: [Social and Cultural Analysis \(Queer and Sexuality Studies\), BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Analysis  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
AFR 202: Ethnic Relations in the United States or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States or  
WST 100: Women and Society  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0 hrs This requirement can also be satisfied by WST  
100 or ETH 100

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Queer and Sexuality Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective 0-25 hrs Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 60**



# Pathway Agreement



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## Maricopa Community College District Social and Cultural Analysis (Women and Gender Studies), BA Pathway 2019-2020

ASU Major: [Social and Cultural Analysis \(Women and Gender Studies\), BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs 


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs 

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

AFR 202: Ethnic Relations in the United States or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States or  
WST 100: Women and Society  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs This requirement can also be satisfied by WST  
100 or ETH 100

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Women and Gender Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Sociology, BA Pathway 2019-2020


ASU Major: [Sociology, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
SOC 101: Introduction to Sociology   3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Sociology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Sociology, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

Related Area Courses	15 hrs	Select five courses (15 hours) that transfer to ASU in the following ASU prefixes: ASB, JHR, POS, PSY, or courses that transfer to ASU with Social Behavioral [SB] designation. May be met within AGECE.
Sociology Elective	3 hrs	Select a 3 credit course that transfers to ASU with the SOC prefix according to the Course Equivalency Guide for the semester and year taken.
Lower Division Elective	0-7 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Sociology, BS Pathway**  
**2019-2020**


ASU Major: **Sociology, BS | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 SOC 101: Introduction to Sociology   3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Sociology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Sociology, BS degree program

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Sociology Elective	3 hrs	Select a 3 credit course that transfers to ASU with the SOC prefix according to the Course Equivalency Guide for the semester and year taken.
Related Area Courses	12 hrs	Select up to four courses (12 hours) that transfer to ASU in the following ASU prefixes: ASB, JHR, POS, or PSY; or courses that transfer to ASU with Social Behavioral [SB] designation. May be met within AGECE.
Lower Division Elective	0-10 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Sociology, BS Pathway**  
**2019-2020**


ASU Major: **Sociology, BS | College of Liberal Arts and Sciences**


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry  3 hrs



Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement.  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science [SB]  
 SOC 101: Introduction to Sociology   3 hrs

SOC 251: Social Problems or  
 SOC 241: Racial and Ethnic Minorities or  
 SOC 212: Gender and Society   3 hrs

Natural Science [SQ, SG]  
 Natural Science  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science  4 hrs Select at least one SQ within the Natural  
 Science requirement.

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Sociology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Sociology, BS degree program

MCCCD Additional Requirements  
 COM 100: Introduction to Human  
 Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Related Area Courses	9 hrs	Lower Division Select three courses that transfer to ASU as direct equivalents or Departmental Electives in the following ASU prefixes: AFR, ASB, CDE, ECN, FAS, GCU, HST, POS, PSY, TCL, & WST.
SOC Lower Division Elective	6 hrs	Sociology Elective Requirement: Select two courses that transfer to ASU as a direct equivalent or Departmental Elective in the ASU SOC prefix. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement

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## Maricopa Community College District Software Engineering, BS Pathway 2019-2020

ASU Major: [Software Engineering, BS](#) | [Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



0-3 hrs

Recommend selecting a course that satisfies a Literacy and Critical Inquiry and a HU, SB, Awareness Areas, COM225 or CRE101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



3 hrs

See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science



3 hrs

See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Social-Behavioral Science



3 hrs

#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory or  
CHM 150AA: General Chemistry I and  
CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II Laboratory or  
CHM 152AA: General Chemistry II OR



8-9 hrs

Select the Biology or Chemistry sequence. Fulfills the Lab Science requirement.

BIO 181: General Biology (Majors) I and  
BIO 182: General Biology (Majors) II

#### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



4-5 hrs

MAT 240: Calculus with Analytic Geometry III or  
MAT 241: Calculus with Analytic Geometry III or  
MAT 276: Modern Differential Equations or  
MAT 277: Modern Differential Equations



4-5 hrs

Calc III or Differential Equations

### Pathway Notes


2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Computer Science degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Software Engineering, BS degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 2.75 cumulative transfer GPA. A total of 64 credit hours will transfer to Arizona State University.





**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs		Awareness Area courses may concurrently satisfy HU, SB or L requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs		

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		May be shared with AGECE.
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent. This course can be used in place of the EGR 104 requirement.

**Additional Lower Division Requirements**

CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science or CSC 110AB: Intro to Computer Science (JAVA)	3-4 hrs		
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs		This course will meet the SER 232 requirement for Software Engineering.
CSC 205: Object Oriented Programming or CSC 205AA: Object Oriented Programming or CSC 205AB: Object Oriented Programming	3-4 hrs		
CSC 240: Introduction to Different Programming Languages	3 hrs		
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs		The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)			
EEE 230: COMPUTER ORG & ASSEMBLY LANGUAGE or CSC 230: COMPUTER ORG & ASSEMBLY LANGUAGE	4 hrs		
MAT 227: Discrete Mathematical Structures	3 hrs		
PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4-5 hrs		

Total Required Credits: 66

# Pathway Agreement



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**Maricopa Community College District**  
**Spanish, BA Pathway**  
**2019-2020**

ASU Major: [Spanish, BA | New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Recommended courses to satisfy HU  
 requirement: SLC 201 or ENG 213.


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Recommended courses to satisfy [SB]  
 requirement: SLC 201 or ENG 213.


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science  4 hrs Select at least one SQ within the Natural  
 Science requirement.

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs Global awareness area [G] met by SPA 201 or  
 SPA 203 or SPA 202 or SPA 204.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Spanish B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

SPA 201: Intermediate Spanish I or  
SPA 203: Spanish for Spanish Speaking Students I

0-4 hrs



SPA 202: Intermediate Spanish II or  
SPA 204: Spanish for Spanish-Speaking Students II

0-4 hrs



SPA 101: Elementary Spanish I or  
SPA 101AA: Elementary Spanish I and  
SPA 102: Elementary Spanish II or  
SPA 102AA: Elementary Spanish II OR

0-8 hrs



Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirement courses. Taking the 8 credit SPA 101(AA) AND 102(AA) option is the same as the 4 credit SPA 111 option.

SPA 111: Fundamentals of Spanish

Lower Division Elective

0-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement


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**Maricopa Community College District**  
**Spanish, BA Pathway**  
**2019-2020**

ASU Major: [Spanish, BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

ENG 213: Introduction to the Study of or  
 SLC 201: Introduction to Linguistics  3 hrs SLC 201 is preferred. Three credit hours of  
 Humanities and Fine Arts [HU] or Behavioral  
 Science [SB] may be satisfied with SLC 201 or  
 ENG 213.


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs SLC 201 is preferred. Three credit hours of  
 Humanities and Fine Arts [HU] or Behavioral  
 Science [SB] may be satisfied with SLC 201 or  
 ENG 213.


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science  4 hrs Select at least one SQ within the Natural  
 Science requirement.

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs The Global Awareness [G] requirement may be  
 satisfied by SPA 201 or SPA 202.

## Pathway Notes

2.0 GPA in coursework used to satisfy  
 MAPP requirements. All courses must  
 be completed with a grade of C or  
 greater.

## Special Requirements

Completion of the MAPP and all special  
 requirements satisfies the requirements  
 for MCCC Associate in Arts degree  
 and AGEC-A, meets major map  
 requirements at ASU, and guarantees  
 admission to the Spanish B.A. degree  
 program.

2.33 cumulative GPA required in Sun  
 Devil tracking courses: SPA 101, SPA  
 101AA, SPA 102, SPA 102AA (or SPA  
 111 if selected instead of SPA 101 and  
 SPA 102), SPA 201, SPA 202.

This degree can be completed either  
 On-campus or Online. If choosing the  
 On-campus option, once transferring to  
 ASU, the student will select one of the  
 following programs of study: the Spanish  
 linguistics track or the Spanish literature  
 and culture track.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication


0-3 hrs  



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

SPA 101: Elementary Spanish I and  
SPA 102: Elementary Spanish II or  
SPA 111: Fundamentals of Spanish

4-8 hrs  


SPA 201: Intermediate Spanish I 4 hrs  
 The Global Awareness [G] requirement may be satisfied by SPA 201 or SPA 202.

SPA 202: Intermediate Spanish II 4 hrs  
 Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirement courses.

Lower Division Elective 0-13 hrs  
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Special Education and Elementary Education, BAE Pathway 2019-2020

ASU Major: [Special Education and Elementary Education, BAE](#) | [Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs



#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review or  
Higher level course that meets MA requirement  3-6 hrs


Students must meet one of the following MCCCDC prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

CIS 105: Survey of Computer Information Systems or  
BPC 110: Computer Usage & Applications   3 hrs


#### Humanities, Arts, and Design [HU]


ARH 100: Introduction to Art or  
ARH 101: Prehistoric through Gothic Art or  
ARH 102: Renaissance Through Contemporary Art or  
THE 111: Introduction to Theatre or  
DAH 100: Introduction to Dance or  
DAH 201: World Dance Studies or  
DAH 250: Dance in Popular Culture or  
MHL 140: Survey of Music History or  
MHL 145: American Jazz and Popular Music or  
MHL 146: Survey of Broadway Musicals or  
MHL 153: Rock Music and Culture or  
THE 220: Modern Drama   3 hrs

Recommend selecting a course that also fulfills [G] if not met in AAEE Content Area Electives

EDU 291: Children's Literature or  
ENH 291: Children's Literature  3 hrs

#### Social-Behavioral Science [SB]

ECH 176: Child Development or  
CFS 176: Child Development or  
CFS 205: Human Development  3 hrs

HIS 103: United States History to 1865 or  
POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies  3 hrs

HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

Natural Science [SQ, SG]

### Pathway Notes



2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements



Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate of Arts Elementary Education degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education or Elementary Education (Bilingual Education/English as a Second Language) or Special Education/Elementary Education B.A.E. degree program and the teacher preparation program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.

Since ASU BAE Special Education and Elementary Education degree does not include an upper division Global Awareness course, students on this pathway need to complete both Historical [H] and Global [G] Awareness as part of the AAEE and MAPP.

Natural Science	4 hrs		Complete a Life Sciences course (choose from BIO prefix). One of the two natural science courses selected must be SQ.
Natural Science	4 hrs		Complete a Physical or Earth/Space Science Course (choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY)

**General Education Awareness Areas [C, H, G]**  
Cultural Diversity in the U.S. [C]

Cultural Diversity in the U.S. [C]	0 hrs		3 hours [C] met by EDU 222 or EDU 230.
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016).

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs		Met by COM 225 for Literacy and Critical Inquiry.
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

EDU 221: Introduction to Education	3 hrs		EDU 221 is an acceptable substitute for USL 216.
EDU 222: Intro to EXCEPTIONAL LEARNER	3 hrs		
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs		EDU 230 is an acceptable MAPP course substitution for TEL 203.
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs		
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs		
Select any EDU course(s) (except EDU 221, 222, 230 and 250) for 3 credits.	3 hrs		
Select 5 credits from AAEE Content Area Elective options	5 hrs		Recommend selecting a course with [G] if not already met by another course.  POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB]

Total Required Credits: 60



# Pathway Agreement



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## Maricopa Community College District Speech and Hearing Science, BS Pathway 2019-2020

ASU Major: [Speech and Hearing Science, BS](#) | [College of Health Solutions](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 150: College Algebra and  
MAT 182: Functions OR   5-9 hrs



MAT 151: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR

MAT 152: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR

MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 187: Precalculus



PSY 230: Introduction to Statistics or  
MAT 206: Elements of Statistics   3 hrs Fulfills Computer/Statistics/Quantitative  
Applications [CS] requirement.


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

BIO 201: Human Anatomy and Physiology or  
BIO 160: Intro To Human Anatomy & Physiology   4 hrs MCCC'D's BIO 160 is an acceptable course  
substitution for ASU's BIO 160.

PHY 101: Introduction to Physics OR   4 hrs

PHY 111: General Physics I

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC'D Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Speech and Hearing Science B.S. degree program.

Special Requirements: 2.8 GPA in Sun Devil Tracking courses: SLP214, PSY101, MAT187, PSY230 or MAT206, BIO201, PHY101, ENG215.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

HES 210: Cultural Aspects of Health or IFS 215: Cultural Context of Health Information	3 hrs
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SLP 205: Introduction to Communication Disorders	3 hrs
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SLP 214: Speech Sound Disorders And Phonetics	0-3 hrs	SHS 250 is equivalent to SLP 214 and may be taken after transfer at ASU in the first term after transfer.
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Lower Division Elective	0-17 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Supply Chain Management, BS Pathway 2019-2020

ASU Major: [Supply Chain Management, BS | W. P. Carey School of Business](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs



CIS 105: Survey of Computer Information  
Systems   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles   3 hrs


ECN 212: Microeconomic Principles   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

#### MCCCD Additional Requirements

### Pathway Notes

All courses must be completed with a grade of "C" or better.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

<b>ABUS Business Electives</b>	<b>0-6 hrs</b>	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Informatio and ACC 240: Uses of Accounting Information II OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
<b>PSY Course</b>	<b>3 hrs</b>	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
<b>SOC Course</b>	<b>3 hrs</b>	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
<b>Lower Division Elective</b>	<b>0-6 hrs</b>	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement



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## Maricopa Community College District Sustainability, BA Pathway 2019-2020

ASU Major: [Sustainability, BA](#) | [School of Sustainability](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs Recommend choosing COM 225 to simultaneously fulfill the MCCCDC Communication Requirement.


#### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions or  
MAT 151: College Algebra/Functions or  
MAT 152: College Algebra/Functions or  
MAT 155: College Algebra/Functions with Review or  
MAT 156: College Algebra/Functions with Review  3-6 hrs MAT 117 satisfies the prerequisite for the required math course SOS 101 and is needed to complete community college's associate degree requirements.


GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social Research/Justice and Government or  
PSY 230: Introduction to Statistics   3 hrs PSY 230 is an approved substitution for ASU's STP 226.


#### Humanities, Arts, and Design [HU]

SSH 111: Sustainable Cities  3 hrs SSH 111 can meet [HU] or [SB], but not both. Also meets Global Awareness [G] requirement.


Humanities and Fine Arts  3 hrs


#### Social-Behavioral Science [SB]

SUS 110: Sustainable World  3 hrs


Social-Behavioral Science  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by SSH 111.




### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Sustainability degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Sustainability, BA degree program.

A 3.0 Transfer GPA is required for admission to the Sustainability BA program. All courses must be completed with a grade of "C" or better.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
SUS 231: Careers in Sustainability	1 hrs	
SUS 232: Professional Skills in Sustainability Practice	3 hrs  	
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Foreign Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-21 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Sustainability, BS Pathway 2019-2020

ASU Major: [Sustainability, BS](#) | [School of Sustainability](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs Recommend choosing COM 225 to simultaneously fulfill the MCCCDC Communication Requirement.


#### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions or  
MAT 151: College Algebra/Functions or  
MAT 152: College Algebra/Functions or  
MAT 155: College Algebra/Functions with Review or  
MAT 156: College Algebra/Functions with Review  3-6 hrs MAT117 satisfies the prerequisite for the first of three math courses required for the B.S. degree in Sustainability after transferring to ASU. It also meets the associate degree math requirement.


Computer/Statistics/Quantitative Analysis   3 hrs


#### Humanities, Arts, and Design [HU]

SSH 111: Sustainable Cities  3 hrs SSH 111 can meet [HU] or [SB], but not both. Also meets Global Awareness [G] requirement.


Humanities and Fine Arts  3 hrs


#### Social-Behavioral Science [SB]

SUS 110: Sustainable World  3 hrs


Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by SSH 111.

MCCCDC Additional Requirements




### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Sustainability degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Sustainability,BS degree program.

A 3.0 Transfer GPA is required for admission to the Sustainability BS program. All courses must be completed with a grade of "C" or better.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
SUS 231: Careers in Sustainability	1 hrs	Course is only offered online at Mesa Community College
SUS 232: Professional Skills in Sustainability Practice	3 hrs  	
Second Language: Requirement satisfied through the following: Completion of a language course at the second semester (102 or equivalent), including American Sign Language II.	0-8 hrs	Foreign Language Requirement: Select 101, 102 as needed to reach 2nd semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	1-21 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement

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## Maricopa Community College District Technical Communication, BS Pathway 2019-2020

ASU Major: [Technical Communication, BS](#) | College of Integrative Sciences and Arts

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review



3-6 hrs

Computer/Statistics/Quantitative Applications  
[CS]



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technical Communication, BS degree program.

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

<p>Related Area Course</p>	<p>3 hrs</p>	<p>Lower Division Related area course: Select a course that transfers to ASU as a direct equivalent or departmental elective credit (DEC) in any of the following ASU prefixes: AFR, AIS, ASB, CCS, COM, EDP, ENG, EXW, FAS, FIN, FMS, GCU, GIT, GPH, HST, MGT, MKT, PSY, PHI, POS, REL, SOC, WST.</p>
<p>Lower Division Elective</p>	<p>8-22 hrs</p>	<p>Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.</p>

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Technical Communication (User Experience), BS Pathway 2019-2020


ASU Major: [Technical Communication \(User Experience\), BS](#) | College of Integrative Sciences and Arts


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technical Communication (User Experience), BS degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
INT 235: Universal Design	0-3 hrs	The course applies towards ASU's Concentration Elective requirement
Related Area Course	3 hrs	Select a course that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor ( <a href="https://cisa.asu.edu/advising">https://cisa.asu.edu/advising</a> ).
Lower Division Elective	4-22 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



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## Maricopa Community College District Technological Entrepreneurship and Management, BS Pathway 2019-2020

ASU Major: [Technological Entrepreneurship and Management, BS | W. P. Carey School of Business](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs


#### Mathematical Studies [MA, CS]


MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs

CIS 105: Survey of Computer Information  
Systems OR   3-4 hrs



CSC 180: Computer Literacy or  
CSC 180AA: Computer Literacy or  
CSC 180AB: Computer Literacy



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Recommend selecting [HU] course that also meets Cultural Diversity in the U.S. [C].


Humanities, Arts, and Design [HU]  3 hrs Recommend selecting [HU] course that also meets Historical Awareness [H].


#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles   3 hrs


ECN 212: Microeconomic Principles   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements


### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.


### Special Requirements

The Fulton Schools of Engineering have partnered with the W. P. Carey School of Business to offer a degree that is jointly conferred by both colleges. For more information about the degree, visit <https://webapp4.asu.edu/programs/t5/majorinfo>.


Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technological Entrepreneurship and Management, BS degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
CRE 101: College Critical Reading	0-3 hrs

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 
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EPS 150: Introduction to Entrepreneurship	3 hrs	Taking all three of the following Maricopa classes will fulfill both ASU's TMC 110 and TEM 200 requirements for MAPP students: EPS 150, GBS 151 AND (INV 110 or TQM 101)
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GBS 221: Business Statistics	3 hrs 
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MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	4 hrs
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Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Theatre, BA Pathway**  
**2019-2020**

ASU Major: **Theatre, BA | Herberger Institute for Design and the Arts**



## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

THE 220: Modern Drama   3 hrs THE 220 can count as [L] or [HU], but not both.

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs [C] can be used to simultaneously satisfy other AGEC requirements.

Historical or Global Awareness [H] or [G]  0-3 hrs [H] and [G] can be used to simultaneously satisfy other AGEC requirements.

MCCCD Additional Requirements


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
THP 112: Acting I	3 hrs	
THP 213: Intro to Technical Theatre	3 hrs	
THP 214: Directing Techniques	3 hrs	
THP 217: Intro to Design Scenography	3 hrs	
THP 201AA: Theatre Production I	0-1 hrs	Can be taken after transfer to ASU.
Related Theatre Elective	6 hrs	Theatre Elective: Complete two courses from COM 271, THP 131, THP 212, and THP 271.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement



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## Maricopa Community College District Theory and Composition (Theory), BMUS Pathway 2019-2020

ASU Major: [Theory and Composition \(Theory\), BMUS | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


MTC 180: Computer Literacy for Musicians  3 hrs


#### Humanities, Arts, and Design [HU]

MHL 194: Music and Culture  3 hrs MHL 194 also fulfills Global [G] awareness area.  
Can be taken after transfer to ASU.


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs [C] could be combined with [HU], [SB], or [L].

Historical or Global Awareness [H] or [G]  0 hrs General Education Awareness Area [G]: Met by  
MHL 194; [H] could be combined with [SB].

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and with a successful audition guarantees admission to the Theory & Composition (Theory) degree program.

Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to the following website for an application and audition deadlines: <http://music.asu.edu/admissions>



Students wishing to pursue a Bachelor of Music Degree other than the BM Theory & Composition in Theory should meet with a Herberger advisor to discuss audition preparation by their third term of study at the community college. The Bachelor of Music degree requires successful completion of an audition demonstrating a high level of musicianship and may require more than 2 years of study at ASU. MHL 241 and MHL 242: Transferring students who have completed MHL 241 and/or 242 are not required to take MHL 341 and/or 342 at ASU. Students who take these courses may elect alternate upper division MHL courses at ASU (MHL 439 or MHL 440 recommended).

Piano proficiency at ASU: Proficiency exam requirements are found at <https://music.asu.edu/resources/new-students/c> Transferring students are advised to take the piano proficiency exam immediately upon transfer to ASU.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	COM 225 satisfies [L] and COM requirements simultaneously.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

MTC 105: Music Theory I and MTC 106: Aural Perception I	4 hrs	
MTC 155: Music Theory II and MTC 156: Aural Perception II	4 hrs	
MTC 205: Music Theory III and MTC 206: Aural Perception III	4 hrs 	
MTC 255: Music Theory IV and MTC 256: Aural Perception IV	4 hrs 	
MUP 102: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 152: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 202: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 252: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 209: Elements of Conducting	2 hrs	

Total Required Credits: 61

# Pathway Agreement


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**Maricopa Community College District**  
**Tourism Development and Management, BS Pathway**  
**2019-2020**


ASU Major: [Tourism Development and Management, BS](#) | [College of Public Service and Community Solutions](#)


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs


Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 REC 120: Leisure and the Quality of Life  3 hrs

Social-Behavioral Science [SB]  3 hrs Social and Behavioral Science: It is recommended to select one course from the Interdisciplinary Requirement that also fulfills the Social & Behavioral Science AGECE Requirement.

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Historical or Global Awareness [H] or [G]  0 hrs 3 hours [H] satisfied by SWU 171

Cultural Diversity in the U.S. [C]  0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the Tourism Development & Management B.S. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

HRM 160: Tourism Principles And Practices	3 hrs	
Interdisciplinary Requirement	6-9 hrs	Select three courses from at least two different areas listed below. AJS 101, AJS 225, AJS 270, PAD 200, SWU 171 can be used to fulfill 3 credits of the Social & Behavioral Sciences AGECE Requirement. Interdisciplinary Requirement Areas are located in the comment section below.
Lower Division Elective	5-16 hrs	May include REC 250 and REC 230 if desired.

Total Required Credits: 60

**Track/Groups**

**Interdisciplinary Requirement**

Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or AJS 225: Criminology or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Interdisciplinary Requirement-Area 1
PAD 100: 21st Century Public Policy and Service or PAD 200: Public Affairs Economics	Interdisciplinary Requirement-Area 2
SWU 171: Introduction to Social Welfare	Interdisciplinary Requirement-Area 3

# Pathway Agreement

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## Maricopa Community College District

### Tourism Development and Management (Meetings and Events), BS Pathway

2019-2020

ASU Major: [Tourism Development and Management \(Meetings and Events\), BS | Watts College of Public Service & Community Solut](#)


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs


##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


##### Social-Behavioral Science [SB]

REC 120: Leisure and the Quality of Life  3 hrs


Social-Behavioral Science [SB]  3 hrs Social and Behavioral Science: It is recommended to select one course from the Interdisciplinary Requirement that also fulfills the Social & Behavioral Science AGEC Requirement.


##### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

##### General Education Awareness Areas [C, H, G]

Historical or Global Awareness [H] or [G]  0-3 hrs Recommend to select SWU 171 for Interdisciplinary Requirement as it also satisfies [H]

Cultural Diversity in the U.S. [C]  0-3 hrs

#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Tourism Development & Management (Meetings and Events) B.S. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

HRM 160: Tourism Principles And Practices	3 hrs	
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: Programming of Recreation Services	3 hrs	
Interdisciplinary Requirement	3-6 hrs	Select two courses from two different areas listed below. AJS 101, AJS 270, PAD 200, SWU 171 can be used to fulfill 3 credits of the Social & Behavioral Sciences AGEC Requirement. Interdisciplinary Requirement Areas are located in the comment section below.
Lower Division Elective	1-13 hrs	May include REC 250 if desired.

Total Required Credits: 60

**Track/Groups**

Interdisciplinary Requirement

Interdisciplinary Requirement		
AJS 101: Introduction To Criminal Just or AJS 113: Criminal Justice Crime Control Policies and Prctices or	Interdisciplinary Requirement-Area 1	
AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations		<b>Interdisciplinary Requirement</b>
PAD 100: 21st Century Public Policy and Service or PAD 200: Public Affairs Economics	Interdisciplinary Requirement-Area 2	<b>Interdisciplinary Requirement</b>
SWU 171: Introduction to Social Welfare	Interdisciplinary Requirement-Area 3	

# Pathway Agreement

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**Maricopa Community College District**



**Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA Pathway**


**2019-2020**


ASU Major: [Transborder Chicana/o and Latina/o Studies \(Media and Expressive Culture\), BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 CCS 101: Chicana and Chicano Studies  3 hrs CCS 101 can be used to satisfy 3 credit hours of the humanities [HU] requirement, the Cultural Awareness [C] area and a TCL elective for the major.


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ or SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs 3 hrs [C] met by CCS 101

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o & Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy & Economy, or Media and Expressive Culture) BA

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. TCLS majors are expected to fulfill the college's language requirement in Spanish prior to transfer. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



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## Maricopa Community College District

### Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA Pathway

2019-2020

ASU Major: [Transborder Chicana/o and Latina/o Studies \(Transborder Community Development and Health\), BA | College of Liberal Arts and Sciences](#)


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs


##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


##### Humanities, Arts, and Design [HU]

CCS 101: Chicana and Chicano Studies  3 hrs CCS 101 can be used to satisfy 3 credit hours of the humanities [HU] requirement, the Cultural Awareness [C] area and a TCL elective for the major.


Humanities, Arts, and Design  3 hrs


##### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs


Social-Behavioral Science  3 hrs


##### Natural Science [SQ, SG]

Natural Science [SQ]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ or SG]  4 hrs

##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs 3 hrs [C] met by CCS 101

Historical or Global Awareness [H] or [G]  0-3 hrs

#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o & Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy & Economy, or Media and Expressive Culture) BA

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

0-16 hrs

Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. TCLS majors are expected to fulfill the college's language requirement in Spanish prior to transfer. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.

Lower Division Elective

0-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District

### Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA Pathway 2019-2020

ASU Major: [Transborder Chicana/o and Latina/o Studies \(US and Mexican Regional Immigration Policy and Economy\), BA](#) | College of Liberal Arts and Sciences


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs

##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


##### Humanities, Arts, and Design [HU]

CCS 101: Chicana and Chicano Studies  3 hrs CCS 101 can be used to satisfy 3 credit hours of the humanities [HU] requirement, the Cultural Awareness [C] area and a TCL elective for the major.


Humanities, Arts, and Design [HU]  3 hrs


##### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


##### Natural Science [SQ, SG]

Natural Science [SQ]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ or SG]  4 hrs

##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs 3 hrs [C] met by CCS 101

Historical or Global Awareness [H] or [G]  0-3 hrs

#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o & Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy & Economy, or Media and Expressive Culture) BA

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

0-16 hrs

Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. TCLS majors are expected to fulfill the college's language requirement in Spanish prior to transfer. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.

Lower Division Elective

0-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement


Print


**Maricopa Community College District**  
**Urban Planning, BSP Pathway**  
**2019-2020**


ASU Major: [Urban Planning, BSP](#) | [College of Liberal Arts and Sciences](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


GIS 205: Geographic Information  
 Technologies  3 hrs


Humanities, Arts, and Design [HU]  
 SSH 111: Sustainable Cities  3 hrs SSH 111 can be used to satisfy the Global Awareness requirement (G) and either a Humanities (HU) or a Social-Behavioral (SB) requirement.


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs SSH 111 can be used to satisfy the Global Awareness requirement (G) and either a Humanities (HU) or a Social-Behavioral (SB) requirement.

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical (H) or Global Awareness (G)  0 hrs SSH 111 meets Global Awareness

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Urban Planning B.S.P. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

SCT 100: Introduction to Sustainable Built Environments 0-3 hrs This requirement may be completed after transfer to ASU.

Lower Division Elective 11-22 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Women and Gender Studies, BA Pathway 2019-2020

ASU Major: [Women and Gender Studies, BA](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review



3-6 hrs

#### Computer/Statistics/Quantitative Applications



3-4 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

ASB 211 suggested, satisfies [HU] [G] and related area Women Studies Course

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

WST 100: Women and Society



3 hrs

Social-Behavioral Science



3 hrs

#### Natural Science [SQ, SG]

Natural Science



4 hrs

Select at least one SQ within the Natural Science requirement. The other course must be SQ or SG.

Natural Science



4 hrs

Select at least one SQ within the Natural Science requirement. The other course must be SQ or SG.

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0 hrs

Satisfied by WST 100.

Historical or Global Awareness [H] or [G]



0-3 hrs

Satisfied by ASB 211


MCCCD Additional Requirements

### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for the MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Women and Gender Studies B.A. degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
WST Elective	3 hrs	Students may select one course that transfers to ASU as a direct equivalency or a departmental elective (DEC) in the WST prefix.
Related Women Studies Course	3 hrs	Lower Division Select one courses (3 credit hours) that transfer to ASU as course equivalent or department elective (DEC) in WST prefix; or select one of the following courses: ENH 284, ENH 285, HIS 201, HUM 209, PSY 235, REL 290, SOC 264, SOC 212, WST 209, or WST 290.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	
Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





## Pathway Agreement

[Print](#)

### Maricopa Community College District Women and Gender Studies, BS Pathway 2019-2020

ASU Major: [Women and Gender Studies, BS | New College of Interdisciplinary Arts and Sciences](#)

#### Pathway Requirements

##### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL

3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL

3 hrs



##### Literacy and Critical Inquiry [L]

PSY 290AB: Research Methods or  
PSY 290AC: Research Methods

4 hrs



PSY 290 recommended to fulfill [L]  
requirement.

##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review

3-6 hrs



PSY 230: Introduction to Statistics

3 hrs



##### Humanities, Arts, and Design [HU]

Humanities and Fine Arts

3 hrs



Humanities and Fine Arts

3 hrs



##### Social-Behavioral Science [SB]

WST 100: Women and Society

3 hrs



PSY 101: Introduction to Psychology

3 hrs



##### Natural Science [SQ, SG]

Natural Science [SQ, SG]

4 hrs



Select at least one SQ within the Natural  
Science requirement. The other course  
must be SQ or SG.

Natural Science [SQ, SG]

4 hrs



##### General Education Awareness Areas [C, H, G]

#### Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements.  
All courses must be completed with a grade of C or greater.

#### Special Requirements

Completion of the MAPP and all special requirements  
satisfies the requirements for MCCC Associate in Arts  
degree and AGECA, meets major map requirements at  
ASU, and guarantees admission to the Women & Gender  
Studies B.S. degree program.

ASU will accept transfer credit for traditional course work  
you have successfully completed at regionally accredited  
institutions of higher education. The applicability of the  
specific course toward a degree depends on the  
requirements of the department, division, college or school  
in which you are enrolled at ASU. Students are responsible  
for working with their advisor to confirm all transfer  
transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

Cultural Diversity in the U.S. [C] 0 hrs Met by WST 100



Historical or Global Awareness [H] or [G]

0-3 hrs



### MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

### Additional Lower Division Requirements

Lower Division Women Studies Elective

6 hrs

Select two courses that transfers to ASU with the WST prefix. See Lower Division Elective note for WST courses.

Lower Division Elective

0-18 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Recommended courses include ENH 285, HIS 201, PSY 235, REL 290/WST 290, SOC 212, WST 110, WST 161, WST 200, WST 209/HUM 209, WST 284/ENH 284, and/or WST 286.

Total Required Credits: 60



# Pathway Agreement

[Print](#)

**Arizona Western College**  
**Criminology and Criminal Justice, BS Pathway**  
**2019-2020**

ASU Major: [Criminology and Criminal Justice, BS](#) | College of Public Service and Community Solutions

## Pathway Requirements

### English Composition

ENG 101: Freshman Composition I 3 hrs

ENG 102: Freshman Composition II 3 hrs

### Mathematics

MAT 142: College Mathematics with Applications 3 hrs

### Arts & Humanities

Arts & Humanities 6 hrs  
 Select at least one Arts course and one Humanities course. AJS 123 recommended.

### Social and Behavioral Sciences

AJS 101: Introduction to Administration of Justice 3 hrs

Social & Behavioral Sciences 3 hrs

### Physical & Biological Sciences

Physical & Biological Sciences 8 hrs

### Additional Courses

Additional Courses 6 hrs

### Additional Lower Division Requirements

AJS 109: Substantive Criminal Law 3 hrs

AJS 201: Crim. Just. Crime Control P&P 3 hrs  
 ASU CRJ 201: You may take an equivalent course based on the Course Equivalency Guide (CEG), or you may take ASU's CRJ 201. This must be completed prior to transfer.

AJS 210: Court Function 3 hrs

AJS 230: Police Function 3 hrs

AJS 240: Correction Function 3 hrs

## Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of C or greater.

## Special Requirements

Completion of the TAG and all special requirements satisfies the requirements for Arizona Western College Associate of Arts degree in Administration of Justice and AGEC-A, meets major map requirements at ASU and guarantees admission to the Criminal Justice & Criminology B.S. degree program.

PED 120: Leisure and Quality of Life or  
SOC 250: Introduction to Social Work

3-6 hrs

ASU Criminal Justice & Criminology requires 9 credit hours (3 courses) to fulfill the interdisciplinary requirement. One or two of these courses may be taken at Arizona Western College. The remaining courses will be taken after transfer to ASU.

Lower Division Elective

7 hrs

Total Required Credits: 60



## Pathway Agreement



[Print](#)

**Arizona Western College**  
**Organizational Leadership, BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership, BA](#) | [College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Requirements

Arizona Western College AGECEC	35 hrs	 Complete courses to complete the Arizona Western College General Education Curriculum (AGECEC) based on your Associate's degree. A completed AGECEC satisfies lower division general studies and first year composition.
MGT 280: Leadership	3 hrs	
BUA 290: Business Communications	3 hrs	
MGT 250: Personnel Supervision	3 hrs	
Lower Division Elective	31 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 75

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGECEC-A, AGECEC-S, or AGECEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.



## Pathway Agreement

[Print](#)

**Arizona Western College**  
**Secondary Education, BAE Pathway**  
**2019-2020**

ASU Major: [Secondary Education, BAE | Mary Lou Fulton Teachers College](#)

### Pathway Requirements

#### English Composition

ENG 101: Freshman Composition I

3 hrs



ENG 102: Freshman Composition II

3 hrs



#### Mathematics

MAT 142: College Mathematics with Applications or  
 MAT 220: Calculus I with Analytic Geometry or  
 MAT 151: College Algebra: Standard/GE

3-5 hrs



Students should select the math course aligned with the content area the student aspires to teach.

#### Arts & Humanities

Arts & Humanities

6 hrs



Select at least one Arts course and one Humanities course. If you are pursuing History or English content areas, combine these requirements with your selected subject area. Recommend selecting ENG or WI courses.

#### Social and Behavioral Sciences

EDU 110: Introduction to Education

3 hrs



POS 222: National Constitution and Government and  
 POS 221: Arizona Constitution and Government

3 hrs



#### Physical & Biological Sciences

Physical & Biological Sciences

8 hrs



If you have selected a science area to teach, combine your chosen science subject with these requirements.

#### Writing Intensive

SPC 215: Public Speaking/GE or  
 ENG 241: English Literature to 1800/GE or  
 ENG 242: English Literature 1800 to Present/GE or  
 ENG 251: American Literature to 1860/GE

3 hrs



#### Global or Historical Awareness

Cultural Awareness and  
 Global Awareness and  
 Historical Awareness

0-3 hrs



If you have selected history or English as a content area, combine these requirements with history or English classes

#### Additional Lower Division Requirements

CIS 105: Introduction to Business Information Systems

3 hrs



EDU 200: Lesson Planning

Academic Catalog Archive 2019-2020

4608

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of C or greater.

### Special Requirements

The ASU and Arizona Western College (AWC) partnership is a pathway that allows students to complete the ASU Transfer Admission Guarantee (TAG) in Secondary Education, a prescribed sequence of courses that meets the requirements for AWC's Associate of Arts degree (AA) and the lower-division requirements for the ASU Secondary Education Bachelors of Arts in Education (BAE). Upon completion of the TAG, students will complete the remaining requirements for ASU's Secondary Education BAE at Arizona Western College. Visit <https://admission.asu.edu/transfer/eastern-arizona> for more information about ASU degrees offered at AWC.

Special Requirements: 2.5 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better. Only 64 credits are transferable to ASU.

3 hrs



EDU 222: Intro to Special Education

3 hrs

HIS 121: History of U.S. to 1865/GE

3 hrs



Lower Division Track Course

16-32 hrs

Complete all courses in one discipline track.  
Track titles are located in the comments section.

Total Required Credits: 60

**Track/Groups**

## Lower Division Track Course

## Lower Division Track Course

BIO 181: General Biology (Majors) I/GE AND

Biology Track Courses

BIO 182: General Biology (Majors) II AND

BIO 205: Microbiology/GE AND

BIO Lower Division Elective

## Lower Division Track Course

CHM 151: General Chemistry I/GE AND

Chemistry Track Courses

CHM 152: General Chemistry II/GE AND

CHM 235: Organic Chemistry I AND

CHM 236: Organic Chemistry II

## Lower Division Track Course

ENG 241: English Literature to 1800/GE AND

English Track Course

ENG 242: English Literature 1800 to Present AND

ENG 251: American Literature to 1860 AND

AND

ENG 2\*\* Elective

## Lower Division Track Course

PHY 111: COLLEGE PHYSICS I and  
GLG 101: Introduction to Geology 1 (Physical) and  
BIO 181: General Biology (Majors) I and  
BIO 182: General Biology (Majors) II and  
CHM 151: General Chemistry I and  
CHM 152: General Chemistry II

General Science Track Courses

## Lower Division Track Course

HIS 111: World History Since 1500 and  
HIS 121: History of U.S. to 1865 and  
HIS 122: History of U.S. from 1865 and  
HIS 240: Western Civilization 1 or  
HIS 241: Western Civilization 2

History Track Courses

## Lower Division Track Course

MAT 220: Calculus I with Analytic Geometry AND

Math Track Courses

MAT 230: Calculus II with Analytic Geometry AND

MAT 241: Calculus III With Analytic Geometry AND

MAT Lower Division Elective

## Lower Division Track Course

PHY 111: COLLEGE PHYSICS I and  
PHY 112: COLLEGE PHYSICS II and  
PHY 121: MECHANICS and  
PHY 131: Electricity and Magnetism

Physics Track Courses



## Pathway Agreement




[Print](#)

**Central Arizona College  
Organizational Leadership, BA Pathway  
2019-2020**

ASU Major: [Organizational Leadership, BA](#) | [College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Requirements

CAC AGEC	35 hrs 	Complete courses to complete the Central Arizona College General Education Curriculum (AGEC) based on your Associate's degree. A completed AGECE satisfies lower division general studies and first year composition.
ACC 201: Financial Accounting or BUS 292: Fundamentals of Logistics	3 hrs 	Equivalent to OGL 260 at ASU.
BUS 190: Principles Management & Leadership	3 hrs 	Equivalent to OGL 200 at ASU.
BUS 207: Business Communications	3 hrs	Equivalent to OGL 220 at ASU.
Lower Division Elective	31 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 75

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGECE-S, or AGECE-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.





# Pathway Agreement


[Print](#)

**Central Arizona College**  
**Organizational Leadership (Project Management), BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership \(Project Management\), BA | College of Integrative Sciences and Arts](#)

## Pathway Requirements

### Additional Lower Division Requirements

CAC AGECEC	35 hrs	 Complete courses to complete the Central Arizona College General Education Curriculum (AGEC) based on your Associate's degree. A completed AGECEC satisfies lower division general studies and first year composition.
BUS 190: Principles Mngment &Leadership	3 hrs	This course satisfies ASU's OGL 200 requirement.
MGT 140: Organizational Behavior	3 hrs	This course satisfies ASU's OGL 220 requirement.
Lower Division Elective	34 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 200 will need to be taken after transfer.

## Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

## Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGECEC-S, or AGECEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership (Project Management) BA degree program.

Total Required Credits: 75



## Pathway Agreement



Print

**Cochise College**  
**Organizational Leadership, BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership, BA](#) | [College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Electives

Cochise College AGECEC	35 hrs 	Complete courses to complete the Cochise College Arizona General Education Curriculum (AGECEC) based on your Associate's degree. A completed AGECEC satisfies lower division general studies and first year composition.
BUS 127: Leadership and Supervision or BUS 143: Principles of Management	3 hrs	These courses satisfy ASU's OGL 200
BUS 201: Financial Accounting or BUS 202: Managerial Accounting	3 hrs 	These courses satisfy ASU's OGL 260 requirement.
PSY 210: Social Psychology	3 hrs	This course satisfies ASU's OGL 220 requirement
Lower Division Elective	31 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 200 and 220 will need to be taken after transfer.

Total Required Credits: 75

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGECEC-A, AGECEC-S, or AGECEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.



## Pathway Agreement


[Print](#)

**Cochise College**  
**Organizational Leadership (Project Management), BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership \(Project Management\), BA | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Electives

Cochise College AGECEC	35 hrs	 Complete courses to complete the Cochise College Arizona General Education Curriculum (AGECEC) based on your Associate's degree. A completed AGECEC satisfies lower division general studies and first year composition.
BUS 127: Leadership and Supervision or BUS 143: Principles of Management	3 hrs	This course satisfies ASU's OGL 200 requirement.
MGT 140: Organizational Behavior	3 hrs	This course satisfies ASU's OGL 220 requirement.
Lower Division Elective	34 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 200 will need to be taken after transfer.

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGECEC-A, AGECEC-S, or AGECEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership (Project Management) BA degree program.

Total Required Credits: 75



# Pathway Agreement

[Print](#)


**Coconino County Community College**  
**Interdisciplinary Studies (Organizational Studies), BA Pathway**  
**2019-2020**

ASU Major: [Interdisciplinary Studies \(Organizational Studies\), BA](#) | College of Integrative Sciences and Arts

## Pathway Requirements

### Additional Lower Division Requirements

Coconino AGECE

35 hrs  Complete courses to complete the Coconino Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGECE satisfies lower division general studies and first year composition.

Lower Division Electives

40 hrs Select courses that transfer as direct equivalencies, Department Elective credit (DEC), or Elective credit (E) from the Course Equivalency Guide.

Total Required Credits: 75

## Pathway Notes

All courses must be completed with a grade of "C" or better. Students must complete the TAG with a 2.0 cumulative GPA.

## Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGECE) certified on their transcript, and must have their Associate degree (AA, AB, AFA, or AS) completed and noted on their transcript. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) B.I.S. degree program.



## Pathway Agreement

[Print](#)

**Coconino County Community College**  
**Nursing, BSN Pathway**  
**2019-2020**

ASU Major: [Nursing, BSN | College of Nursing and Health Innovation](#)

### Pathway Requirements

#### English Composition


ENG 101: College Composition I 3 hrs 

ENG 102: College Composition II 3 hrs 

#### Mathematics

MAT 140: College Mathematics or  
 MAT 142: College Mathematics OR 3-5 hrs  MAT 142 is required by Coconino but is met with any of the listed math options. This requirement may be satisfied by any course that transfers to ASU with a MA General Education designation as shown in the Course Equivalency Guide.

MAT 187: Pre-Calculus


MAT 160: Introduction to Statistics OR  
 PSY 230: Introduction to Statistics OR 3 hrs 


BUS 232: Business Statistics & Analysis or  
 PSY 230: Introduction to Statistics

#### Social and Behavioral Sciences


PSY 101: Intro to Psychology 3 hrs 

#### Physical and Biological Sciences

BIO 202: Human Anatomy & Physiology II 4 hrs 

CHM 130: Fundamentals of Chemistry 4 hrs 

#### Additional Lower Division Requirements

BIO 201: Human Anatomy & Physiology I 4 hrs 

BIO 205: Microbiology 4 hrs 

NTR 135: Human Nutrition 3 hrs

NUR 114: Intro to Nursing Pharmacology 2 hrs

NUR 116: Nursing Concepts I 7 hrs

NUR 124: Nursing Concepts II 9 hrs

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the RN-BSN pathway and all special requirements satisfies the requirements for Coconino Community College Associate in Applied Science degree, satisfies lower division RN to BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN to BSN program.

Special Requirements: A grade of "C" or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for guaranteed admission: ENG 101, ENG 102, BIO 201, BIO 202, BIO 205, CHM 130 with lab, and PSY 101. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.5 cumulative GPA computation. All remaining courses must be completed with a grade of "C" or better.

Upon transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR).

All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.

ASU will accept up to 75 transfer credit hours from an Arizona community college for the BSN. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU.

NUR 215: Nursing Concepts III 9 hrs

NUR 220: Nursing Concepts IV 9 hrs

NUR 222: Mngt & Leadership in Nursing 1 hrs

Total Required Credits: 71



## Pathway Agreement

Print

### Eastern Arizona College Nursing, BSN Pathway 2019-2020

ASU Major: [Nursing, BSN](#) | [College of Nursing and Health Innovation](#)


#### Pathway Requirements

##### English

ENG 101: WRITTEN COMMUN I 3 hrs 

ENG 102: WRITTEN COMMUN II 3 hrs 

##### Mathematics


MAT 140: COLLEGE MATHEMATICS OR  
MAT 154: COLLEGE ALGEBRA OR  
MAT 187: PRECALCULUS 3 hrs 

##### Social Science

PSY 101: INTRO TO PSYCHOLOGY 3 hrs 

##### Lab Science

BIO 202: HUMAN ANAT & PHYS II 4 hrs 

CHM 130: FUND CHEMISTRY OR  
CHM 138: INTRODUCTION TO GEN, ORG & BI OR  
CHM 151: GENERAL CHEMISTRY I 4 hrs 


##### Additional Lower Division Requirements

BIO 201: HUMAN ANAT & PHYS I 4 hrs 

BIO 205: MICROBIOLOGY 4 hrs 

HCE 240: HUMAN PATHOPHYSIOLOGY 4 hrs

HCE 241: NUTRITION 3 hrs

MAT 160: INTRO TO STATISTICS or  
PSY 220: INTRO TO STATISTICS 3 hrs 

NUR 120: NURSING I 9 hrs

NUR 130: NURSING II 9 hrs

#### Pathway Notes

There are no notes for this pathway

#### Special Requirements

Completion of the Eastern Arizona-ASU RN-BSN Pathway Program and the special requirements satisfies the requirements for Eastern Arizona College Associate of Applied Science degree, satisfies lower division RN-BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN-BSN program.

Special Requirements: A grade of "C" or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for guaranteed admission: ENG 101, ENG 102, BIO 201, BIO 202, BIO 205, CHM 130 or CHM 138 or CHM 151 with lab, and PSY 101. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.5 GPA computation. All remaining courses must be completed with a grade of "C" or better.

Upon Transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR).

All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.

While the pathway requirements total 77 credits, there are only 75 maximum transferable credit hours; the excess hours will not transfer. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

NUR 219: PHARMACOLOGY

3 hrs

NUR 240: Nursing III

9 hrs

NUR 250: NURSING IV

9 hrs

Total Required Credits: 77





## Pathway Agreement



[Print](#)

**Eastern Arizona College**  
**Organizational Leadership, BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership, BA](#) | [College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Requirements

Eastern Arizona College AGECE	35 hrs	 Complete courses to complete the Eastern Arizona College General Education Curriculum (AGECE) based on your Associate's degree. A completed AGECE satisfies lower division general studies and first year composition.
BUA 200: Intro to Organizational Leadership	3 hrs	 Equivalent to OGL 200 at ASU.
BUA 210: Society and Business or BUA 259: BUS COMMUNICATIONS	3 hrs	Equivalent to OGL 220 at ASU.
BUA 151: SCHEDULING AND COST ESTIMATIN or BUS 221: HUMAN RESOURCE MANAGEMENT or BUS 251: Human Relations or BUS 261: FUNDAMENTALS OF INVESTING	3 hrs	Equivalent to OGL 260 at ASU.
Lower Division Elective	31 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGECE-A, AGECE-S, or AGECE-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.

Total Required Credits: 75



## Pathway Agreement


[Print](#)

**Eastern Arizona College**  
**Organizational Leadership (Project Management), BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership \(Project Management\), BA | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Requirements

Eastern Arizona College AGEC	35 hrs	 Complete courses to complete the Eastern Arizona College General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.
BUA 200: INTRO TO ORGANIZATIONAL LEADERSHIP	3 hrs	This course satisfies ASU's OGL 200 requirement.
MGT 140: Organizational Behavior	3 hrs	This course satisfies ASU's OGL 220 requirement.
Lower Division Elective	34 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 200 will need to be taken after transfer.

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership (Project Management) BA degree program.

Total Required Credits: 75



## Pathway Agreement

Print

**Pima Community College**  
**Interdisciplinary Studies (Organizational Studies), BA Pathway**  
**2019-2020**

ASU Major: [Interdisciplinary Studies \(Organizational Studies\), BA](#) | College of Integrative Sciences and Arts

### Pathway Requirements

#### Additional Lower Division Requirements

Lower Division Pima Community College AGECE	35 hrs	A completed AGECE satisfies lower division general studies and first year composition.
CMN 102: Introduction to Speech Communication	3 hrs	Satisfies ASU's prerequisite requirement for SOC 352/COM 312.
Lower Division Elective	37 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGECE) certified on their transcript and must have their Associate Degree (AA, AB, or AS) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) B.I.S. degree program.

Total Required Credits: 75



# Pathway Agreement

[Print](#)

**Pima Community College  
Liberal Studies, BA Pathway  
2019-2020**

ASU Major: [Liberal Studies, BA | College of Integrative Sciences and Arts](#)

## Pathway Requirements

### Additional Lower Division Requirements

Pima CC AGECEC	35 hrs	Complete courses to complete the Pima CC Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGECEC satisfies lower division general studies and first year composition.
CMN 102: Introduction to Speech Communication	0-3 hrs	
Lower Division Elective	37-40 hrs	

## Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

## Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGECEC-S, or AGECEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Liberal Studies, BLS degree program. The BLS program is available Online and allows students to transfer up to 75 credit hours.

Total Required Credits: 75



## Pathway Agreement

[Print](#)

**Pima Community College**  
**Nursing, BSN Pathway**  
**2019-2020**

ASU Major: [Nursing, BSN | College of Nursing and Health Innovation](#)

### Pathway Requirements

#### English Composition

WRT 101: Writing I or  
 WRT 107: WRT I NonNative Speak English

3 hrs



WRT 102: Writing II or  
 WRT 108: WRT II NonNative Speak English

3 hrs



#### Mathematics

MAT 141: Topics in College Mathematics OR  
 MAT 151: College Algebra

3-4 hrs



May be satisfied by any course that transfers to ASU with a MA designation as shown in the Course Equivalency Guide.

PSY 230: Psych Measur & Statistics or  
 BUS 205: Stat Methods in Economics/Bus or  
 MAT 167: Introductory Statistics

3 hrs



#### Social & Behavioral Sciences

PSY 101: Intro To Psychology

3 hrs



#### Physical & Biological Sciences

BIO 202IN: Human Anatomy/Physiology II

4 hrs



CHM 130: Fundamental Chemistry or  
 CHM 130LB: Fundamental Chemistry Lab or  
 CHM 130IN: Fundamental Chemistry

4-5 hrs



#### Additional Lower Division Requirements

BIO 127IN: Human Nutrition & Biology or  
 FSN 127IN: Human Nutrition and Biology

4 hrs

BIO 201IN: Human Anatomy/Physiology I or  
 BIO 201IH: Human Anatomy/Physio Histolog

4-5 hrs



BIO 205IN: Microbiology

4 hrs



ECE 107: Human Devel & Relations or  
 PSY 240: Developmental Psychology

3 hrs

NRS 108: Drug Calculations

1 hrs

NRS 155: Introduction to Pharmacology

3 hrs

NRS 104: Nursing Process I

4 hrs

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Pima-ASU RN-BSN Pathway Program and the special requirements satisfies the requirements for Pima Community College Associate of Applied Science degree, satisfies lower division RN-BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN-BSN degree program.

Special Requirements: A grade of "C" or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for guaranteed admission: WRT 101, WRT 102, BIO 201IN, BIO 202IN, BIO 205IN, CHM 130/130LB, and PSY 101 or PSY 240. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.5 cumulative GPA computation. All remaining courses must be completed with a grade of "C" or better.

Upon Transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR).

All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.

While the pathway requirements total 82 credits, there are only 75 maximum transferable credit hours; the excess hours will not transfer.

NRS 104LC: Nursing Process I Clinical	3 hrs	
NRS 104LS: Nursing Process I Skills	1 hrs	
NRS 105: Nursing Process II	4 hrs	
NRS 105LC: Nursing Process II Clinic	4 hrs	
NRS 105LS: Nursing Process II Skills	1 hrs	
NRS 201: Nursing Process III	5 hrs	
NRS 201LC: Nursing Process III Clinical	4 hrs	
NRS 202: Nursing Process IV	3 hrs	
NRS 202CA: Nursing Process IV and NRS 202CB: Nursing Process IV	6 hrs	
NRS 203: Trends and Issues in Nursing	1 hrs	
Humanities/Fine Arts or Leadership/Ethics	3 hrs	Complete a course from Humanities/Fine Arts or Leadership/Ethics categories marked with a "C" or "G."

Total Required Credits: 81



## Pathway Agreement


[Print](#)

**Pima Community College**  
**Organizational Leadership, BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership, BA](#) | [College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Requirements

Pima College AGECE	35 hrs	 Complete courses to complete the Pima College Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGECE satisfies lower division general studies and first year composition.
MGT 230: Dynamics of Leadership or STU 230: Dynamics of Leadership	3 hrs	This course satisfies ASU's OGL 200 requirement.
PSY 132: Psychology and Culture	3 hrs	This course satisfies ASU's OGL 220
FIN 107: Business Finance	3 hrs	This course satisfies ASU's OGL 260 requirement.
Lower Division Elective	31 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGECE-S, or AGECE-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.

Total Required Credits: 75



## Pathway Agreement


[Print](#)

**Pima Community College**  
**Organizational Leadership (Project Management), BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership \(Project Management\), BA | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Requirements

Pima College AGEC	35 hrs	 Complete courses to complete the Pima College Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.
MGT 230: Dynamics of Leadership or STU 230: Dynamics of Leadership	3 hrs	This course satisfies ASU's OGL 200 requirement.
PSY 132: Psychology and Culture	3 hrs	This course satisfies ASU's OGL 220
Lower Division Elective	34 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership (Project Management) BA degree program.

Total Required Credits: 75





## Pathway Agreement


[Print](#)

**Yavapai College**  
**Organizational Leadership, BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership, BA](#) | [College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Requirements

Yavapai College AGECE	35 hrs	 Complete courses to complete the Yavapai College Arizona General Education Curriculum (AGECE) based on your Associate's degree. A completed AGECE satisfies lower division general studies and first year composition.
ACC 217: USES OF FINANCIAL INFORMATION	3 hrs	This course satisfies ASU's OGL 260 requirement.
MGT 140: Organizational Behavior	3 hrs	This course satisfies ASU's OGL 220 requirement.
Lower Division Elective	34 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 200 will need to be taken after transfer.

Total Required Credits: 75

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGECE-A, AGECE-S, or AGECE-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.



## Pathway Agreement


[Print](#)

**Yavapai College**  
**Organizational Leadership (Project Management), BA Pathway**  
**2019-2020**

ASU Major: [Organizational Leadership \(Project Management\), BA | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### Additional Lower Division Requirements

Yavapai College AGECEC	35 hrs	 Complete courses to complete the Yavapai College Arizona General Education Curriculum (AGECEC) based on your Associate's degree. A completed AGECEC satisfies lower division general studies and first year composition.
MGT 111: Leadership & Innovation or MGT 112: Leadership & Collaboration or MGT 113: Leadership & Communication	3 hrs	This course satisfies ASU's OGL 200 requirement.
MGT 140: Organizational Behavior	3 hrs	This course satisfies ASU's OGL 220 requirement.
Lower Division Elective	34 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 200 will need to be taken after transfer.

### Pathway Notes

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

### Special Requirements

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGECEC-A, AGECEC-S, or AGECEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership (Project Management) BA degree program.

Total Required Credits: 75